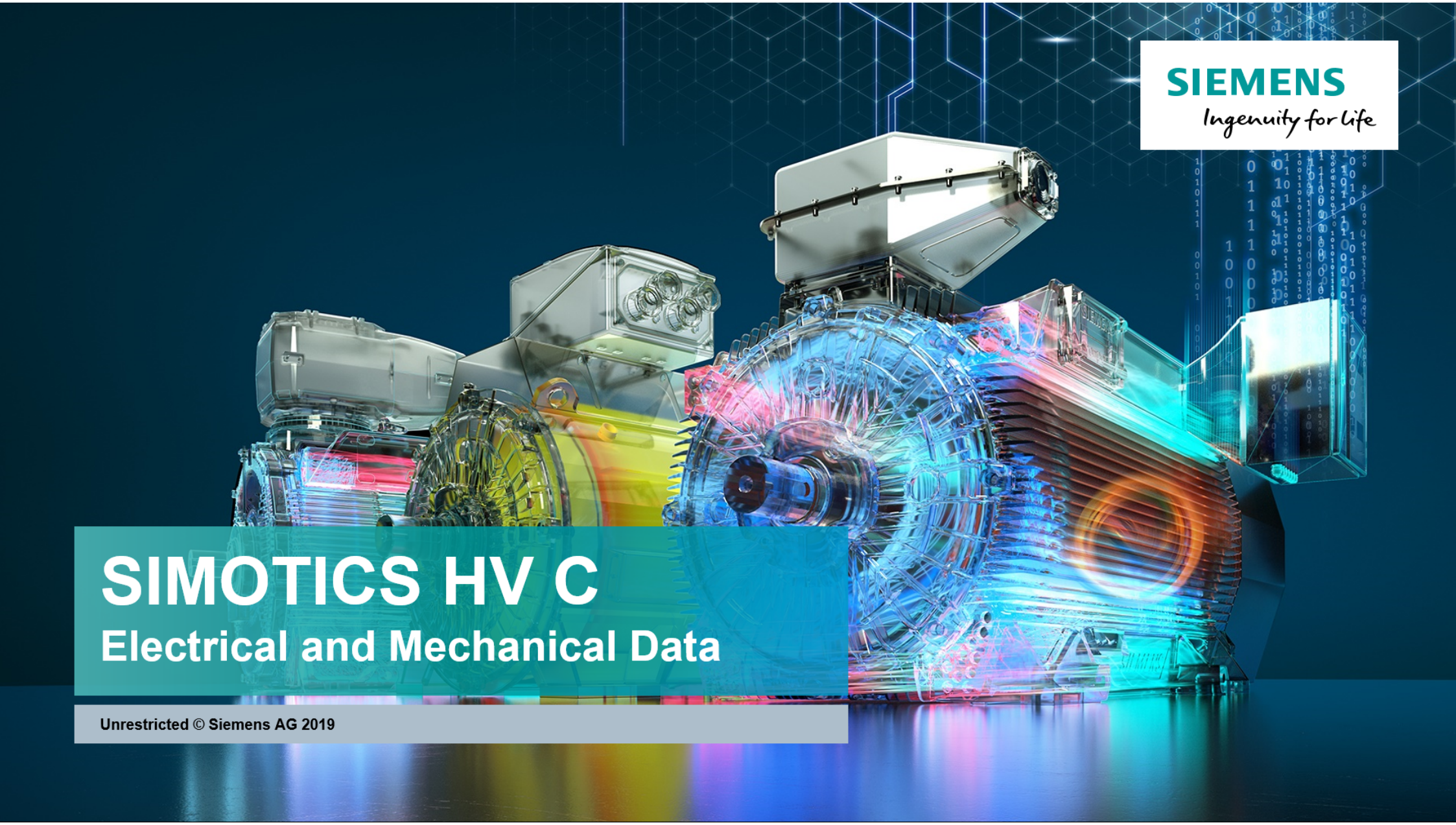


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SIMOTICS HV C

Electrical and Mechanical Data

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SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
670	**1NA1 402-2AA60-0A.0**	2978	78	95.9	96.3	96.5	96.2	0.85	0.86	0.86	0.82	2148	2.25	0.95	4.8	9	40	1.00
700	**1NA1 402-2AA60-0C.0**	2977	79	96.0	96.3	96.5	96.3	0.89	0.89	0.88	0.83	2245	2.65	0.95	5.8	12	105	1.00
750	**1NA1 404-2AA60-0A.0**	2977	86	96.0	96.4	96.7	96.4	0.86	0.87	0.86	0.83	2406	2.25	0.95	4.8	10	35	1.00
760	**1NA1 404-2AA60-0C.0**	2978	86	96.0	96.4	96.7	96.4	0.88	0.88	0.87	0.83	2437	2.35	0.75	5.2	12	85	1.00
850	**1NA1 406-2AA60-0A.0**	2979	97	96.2	96.6	96.8	96.6	0.87	0.87	0.87	0.83	2725	2.45	1.05	5.2	11	35	1.00
860	**1NA1 406-2AA60-0C.0**	2979	96	96.3	96.6	96.8	96.6	0.89	0.89	0.88	0.83	2757	2.55	0.80	5.6	14	100	1.00
880	**1NA1 408-2AA60-0A.0**	2980	98	96.3	96.7	96.8	96.6	0.89	0.89	0.88	0.83	2820	2.65	1.10	5.6	12	40	1.00
880	**1NA1 408-2AA60-0C.0**	2981	98	96.4	96.7	96.8	96.5	0.89	0.89	0.88	0.83	2819	2.60	0.70	5.7	14	105	1.00
980	**1NA1 454-2AA60-0A.0**	2984	110	96.7	97.0	97.1	96.7	0.89	0.89	0.87	0.82	3136	2.60	1.35	6.1	15	25	1.00
960	**1NA1 454-2AA60-0C.0**	2983	106	96.6	96.9	97.0	96.6	0.90	0.90	0.88	0.83	3073	2.85	1.00	6.7	18	150	1.00
1100	**1NA1 456-2AA60-0A.0**	2982	122	96.6	97.0	97.2	97.0	0.89	0.90	0.89	0.86	3523	2.35	1.15	5.5	16	15	0.90
1100	**1NA1 456-2AA60-0C.0**	2981	120	96.6	96.9	97.1	96.9	0.90	0.91	0.90	0.86	3524	2.50	0.80	5.8	20	135	1.00
1220	**1NA1 458-2AA60-0A.0**	2984	134	96.9	97.2	97.3	97.1	0.90	0.90	0.89	0.85	3904	2.65	1.40	6.1	18	15	0.90
1220	**1NA1 458-2AA60-0C.0**	2983	132	96.8	97.1	97.2	97.0	0.91	0.91	0.90	0.86	3906	2.75	0.95	6.5	22	150	1.00
1360	**1NA1 504-2AA60-0AC0**	2985	154	96.8	97.0	97.1	96.7	0.87	0.88	0.88	0.84	4351	2.55	0.80	5.5	23	55	0.90
1400	**1NA1 504-2AA60-0C.0**	2985	154	96.8	97.0	97.0	96.6	0.89	0.90	0.89	0.85	4479	2.75	0.70	5.9	27	140	1.00
1500	**1NA1 506-2AA60-0AC0**	2985	166	96.9	97.2	97.3	96.9	0.88	0.89	0.89	0.85	4799	2.60	0.85	5.6	26	75	0.90
1520	**1NA1 506-2AA60-0C.0**	2986	168	96.9	97.1	97.2	96.8	0.90	0.90	0.90	0.86	4861	2.85	0.70	6.1	31	150	1.00
1710	**1NA1 508-2AA60-0AC0**	2988	190	97.2	97.3	97.3	96.9	0.89	0.89	0.87	0.81	5465	3.40	1.10	7.3	28	100	0.90
1740	**1NA1 508-2AA60-0C.0**	2989	192	97.2	97.3	97.2	96.7	0.91	0.90	0.88	0.82	5559	3.65	0.90	7.9	34	200	1.00
1910	**1NA1 566-2AA60-0C.0**	2988	210	97.2	97.3	97.3	96.9	0.90	0.91	0.91	0.89	6104	2.60	0.65	5.7	55	300	0.85
2150	**1NA1 568-2AA60-0C.0**	2989	230	97.4	97.5	97.5	97.1	0.91	0.92	0.91	0.88	6869	2.85	0.70	6.3	60	300	0.95
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
720	**1NA1 404-4AA60-0C.0**	1487	85	95.7	96.3	96.6	96.5	0.85	0.85	0.84	0.80	4624	2.35	0.70	4.9	15	350	1.00
710	**1NA1 404-4AA60-0A.0**	1486	85	95.6	96.2	96.5	96.4	0.84	0.84	0.84	0.79	4563	2.20	1.05	4.5	12	200	1.00
770	**1NA1 406-4AA60-0C.0**	1488	89	96.0	96.4	96.7	96.5	0.86	0.86	0.85	0.80	4942	2.50	0.70	5.1	17	450	1.00
760	**1NA1 406-4AA60-0A.0**	1487	89	95.8	96.3	96.6	96.5	0.84	0.85	0.84	0.79	4881	2.25	1.10	4.7	13	250	1.00
870	**1NA1 408-4AA60-0C.0**	1490	100	96.2	96.5	96.7	96.5	0.86	0.86	0.84	0.77	5576	2.85	0.80	5.8	19	600	1.00
850	**1NA1 408-4AA60-0A.0**	1489	100	96.0	96.4	96.6	96.4	0.85	0.85	0.83	0.76	5451	2.65	1.30	5.5	15	300	1.00
940	**1NA1 454-4AA60-0A.0**	1490	112	96.1	96.6	96.8	96.5	0.82	0.83	0.81	0.75	6024	2.25	1.05	5.1	22	350	1.00
960	**1NA1 454-4AA60-0C.0**	1490	114	96.2	96.6	96.8	96.5	0.84	0.84	0.82	0.76	6153	2.35	0.65	5.4	28	650	1.00
1040	**1NA1 456-4AA60-0A.0**	1490	124	96.4	96.8	97.0	96.6	0.83	0.83	0.81	0.75	6665	2.35	1.10	5.4	25	450	1.00
1070	**1NA1 456-4AA60-0C.0**	1491	126	96.5	96.8	97.0	96.6	0.85	0.85	0.83	0.76	6853	2.50	0.70	5.8	32	800	1.00
1200	**1NA1 458-4AA60-0A.0**	1491	144	96.6	97.0	97.1	96.7	0.84	0.83	0.80	0.72	7686	2.65	1.25	6.0	28	400	1.00

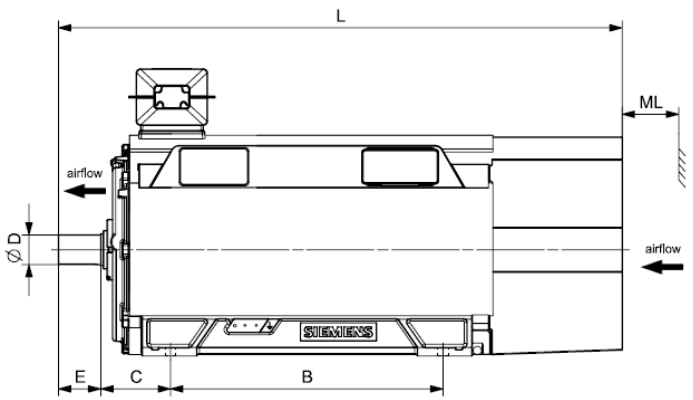
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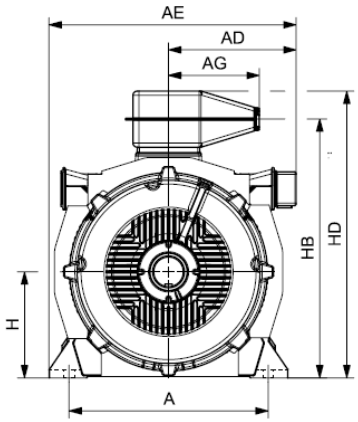
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
1240	**1NA1 458-4AA60-0C.0**	1492	144	96.7	97.0	97.1	96.7	0.86	0.85	0.82	0.74	7936	2.80	0.80		6.4		35	1000	1.00
1350	**1NA1 504-4AA60-0A.0**	1490	158	96.3	96.6	96.7	96.3	0.84	0.85	0.83	0.77	8652	2.25	0.95		5.1		33	350	0.95
1370	**1NA1 504-4AA60-0C.0**	1492	158	96.5	96.7	96.8	96.4	0.86	0.86	0.85	0.79	8768	2.35	0.70		5.7		42	750	1.00
1500	**1NA1 506-4AA60-0A.0**	1491	176	96.6	96.8	96.9	96.5	0.84	0.85	0.84	0.77	9607	2.35	0.95		5.3		38	400	1.00
1550	**1NA1 506-4AA60-0C.0**	1492	178	96.7	96.9	97.0	96.6	0.85	0.86	0.85	0.79	9921	2.40	0.70		5.8		48	900	1.00
1660	**1NA1 508-4AA60-0A.0**	1492	194	96.8	97.0	97.0	96.6	0.85	0.85	0.83	0.76	10625	2.55	1.00		5.9		43	500	1.00
1720	**1NA1 508-4AA60-0C.0**	1493	198	96.9	97.1	97.1	96.7	0.86	0.86	0.84	0.78	11001	2.65	0.75		6.4		55	1250	1.00
1870	**1NA1 562-4AA60-0A.0**	1492	220	96.8	97.0	97.0	96.4	0.83	0.85	0.83	0.77	11969	2.15	0.90		5.4		55	400	0.95
1900	**1NA1 562-4AA60-0C.0**	1492	220	96.8	97.1	97.1	96.6	0.84	0.86	0.85	0.80	12161	2.20	0.65		5.6		72	850	1.00
2100	**1NA1 564-4AA60-0A.0**	1493	245	97.0	97.2	97.1	96.6	0.84	0.85	0.83	0.77	13432	2.20	0.90		5.5		60	450	0.95
2150	**1NA1 564-4AA60-0C.0**	1492	245	97.0	97.3	97.3	96.8	0.85	0.86	0.85	0.80	13761	2.25	0.65		5.7		79	950	1.00
2260	**1NA1 566-4AA60-0A.0**	1493	260	97.1	97.3	97.2	96.8	0.85	0.86	0.84	0.78	14455	2.30	1.00		5.7		67	500	1.00
2310	**1NA1 566-4AA60-0C.0**	1493	260	97.2	97.4	97.4	96.9	0.86	0.87	0.86	0.80	14775	2.35	0.70		6.0		88	1200	1.00
2510	**1NA1 568-4AA60-0A.0**	1494	290	97.3	97.4	97.3	96.8	0.85	0.86	0.83	0.76	16043	2.55	1.05		6.2		74	550	1.00
2570	**1NA1 568-4AA60-0C.0**	1494	290	97.4	97.5	97.5	97.0	0.87	0.87	0.85	0.79	16427	2.60	0.75		6.6		97	1500	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																				
630	**1NA1 404-6AA60-0CA0**	993	77	95.6	96.1	96.4	96.0	0.82	0.82	0.79	0.70	6058	2.45	0.85		5.1		27	650	1.00
630	**1NA1 404-6AA60-0AA0**	992	78	95.4	96.0	96.4	96.2	0.80	0.81	0.78	0.70	6065	2.45	1.20		5.3		22	800	1.00
660	**1NA1 406-6AA60-0CA0**	994	81	95.8	96.2	96.4	96.0	0.83	0.82	0.79	0.70	6341	2.60	0.90		5.5		31	750	1.00
650	**1NA1 406-6AA60-0AA0**	993	80	95.7	96.1	96.4	96.1	0.81	0.81	0.78	0.69	6251	2.65	1.30		5.7		25	900	1.00
710	**1NA1 408-6AA60-0CA0**	995	89	96.0	96.2	96.2	95.6	0.82	0.80	0.74	0.62	6814	3.20	1.15		6.4		34	750	1.00
710	**1NA1 408-6AA60-0AA0**	994	90	95.9	96.2	96.3	95.8	0.81	0.79	0.73	0.62	6821	3.25	1.65		6.6		27	900	1.00
740	**1NA1 454-6AA60-0A.0**	992	92	95.8	96.3	96.5	96.3	0.79	0.80	0.79	0.73	7123	2.15	1.00		5.2		32	1850	1.00
760	**1NA1 454-6AA60-0C.0**	992	91	95.9	96.4	96.6	96.4	0.83	0.83	0.81	0.75	7316	2.25	0.70		4.8		41	1400	1.00
800	**1NA1 456-6AA60-0A.0**	994	98	96.1	96.5	96.6	96.2	0.81	0.81	0.79	0.71	7686	2.45	1.20		5.8		37	2050	1.00
820	**1NA1 456-6AA60-0C.0**	994	97	96.2	96.5	96.6	96.3	0.84	0.84	0.81	0.73	7878	2.55	0.80		5.5		47	1500	1.00
900	**1NA1 458-6AA60-0A.0**	994	110	96.2	96.6	96.6	96.3	0.82	0.82	0.79	0.71	8646	2.50	1.20		6.1		44	2400	1.00
900	**1NA1 458-6AA60-0C.0**	994	106	96.3	96.6	96.6	96.3	0.85	0.84	0.80	0.72	8646	2.75	0.85		5.9		56	1850	1.00
1050	**1NA1 502-6AA60-0A.0**	993	128	95.9	96.5	96.8	96.7	0.81	0.82	0.81	0.75	10097	2.05	1.15		5.3		53	650	1.00
1100	**1NA1 502-6AA60-0C.0**	994	128	96.2	96.6	96.9	96.7	0.86	0.86	0.84	0.78	10568	2.30	0.65		5.7		68	1200	1.00
1120	**1NA1 504-6AA60-0A.0**	994	134	96.1	96.6	96.9	96.7	0.82	0.83	0.81	0.75	10760	2.20	1.30		5.7		60	1000	1.00
1200	**1NA1 504-6AA60-0C.0**	995	138	96.4	96.8	97.0	96.8	0.87	0.86	0.84	0.78	11517	2.45	0.75		6.0		76	1300	1.00
1300	**1NA1 506-6AA60-0A.0**	993	156	96.4	96.8	97.1	96.9	0.83	0.83	0.81	0.75	12502	2.20	1.25		5.8		68	900	1.00
1370	**1NA1 506-6AA60-0C.0**	995	158	96.6	97.0	97.2	97.0	0.87	0.86	0.84	0.78	13148	2.50	0.70		6.1		86	1850	1.00
1410	**1NA1 508-6AA60-0A.0**	994	168	96.5	96.9	97.1	97.0	0.83	0.83	0.82	0.75	13546	2.30	1.30		6.0		77	1100	1.00
1500	**1NA1 508-6AA60-0C.0**	995	170	96.7	97.1	97.3	97.0	0.87	0.87	0.84	0.78	14396	2.60	0.70		6.3		97	2150	1.00
1870	**1NA1 564-6AA60-0C.0**	994	215	96.9	97.2	97.4	97.2	0.87	0.87	0.87	0.82	17965	2.45	0.55		5.1		137	2100	0.95

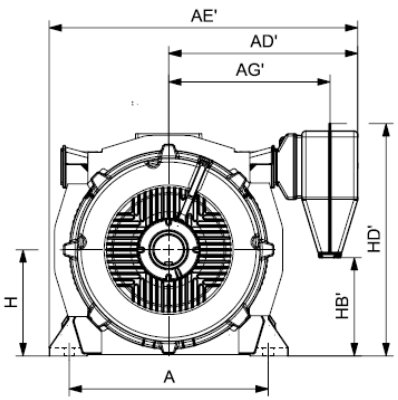
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SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
2000	**1NA1 566-6AA60-0C.0**	995	225	97.1	97.4	97.5	97.2	0.87	0.87	0.86	0.80	19195	2.75	0.60	5.6	152	2950	1.00
2200	**1NA1 568-6AA60-0C.0**	995	250	97.2	97.4	97.5	97.2	0.87	0.87	0.85	0.79	21114	2.95	0.65	6.1	167	3600	1.00
8-pole: n_{sync} = 750 rpm at 50 Hz																		
440	**1NA1 404-8AA60-0AA0**	742	56	95.0	95.6	95.9	95.6	0.80	0.79	0.75	0.65	5663	2.40	1.05	4.9	22	1450	1.00
450	**1NA1 404-8AA60-0CA0**	743	57	95.1	95.6	95.8	95.4	0.81	0.79	0.75	0.64	5784	2.15	0.80	4.2	27	1200	1.00
480	**1NA1 406-8AA60-0AA0**	742	60	95.0	95.7	96.0	95.7	0.81	0.80	0.77	0.67	6177	2.40	1.05	4.9	25	1700	1.00
480	**1NA1 406-8AA60-0CA0**	743	60	95.2	95.8	95.9	95.5	0.81	0.80	0.76	0.65	6169	2.20	0.85	4.3	31	1300	1.00
530	**1NA1 408-8AA60-0AA0**	742	66	95.3	95.9	96.1	95.8	0.81	0.80	0.76	0.66	6821	2.50	1.10	5.1	27	2050	1.00
550	**1NA1 408-8AA60-0CA0**	744	69	95.4	95.9	96.1	95.7	0.81	0.80	0.75	0.65	7059	2.20	0.85	4.3	34	1550	1.00
630	**1NA1 454-8AA60-0A.0**	742	81	95.0	95.7	96.1	96.0	0.78	0.78	0.77	0.71	8108	1.95	0.90	4.2	32	2150	1.00
600	**1NA1 454-8AA60-0C.0**	743	75	95.3	95.9	96.1	95.8	0.81	0.80	0.78	0.70	7711	2.10	0.75	4.0	41	1900	1.00
660	**1NA1 456-8AA60-0A.0**	743	84	95.2	95.9	96.2	96.0	0.79	0.79	0.77	0.71	8483	2.05	0.95	4.4	37	2650	1.00
650	**1NA1 456-8AA60-0C.0**	743	80	95.4	96.0	96.2	95.9	0.81	0.81	0.78	0.71	8354	2.10	0.75	4.1	47	2100	1.00
730	**1NA1 458-8AA60-0A.0**	744	93	95.6	96.1	96.2	95.8	0.80	0.79	0.76	0.67	9370	2.40	1.15	5.1	44	2600	1.00
710	**1NA1 458-8AA60-0C.0**	745	89	95.7	96.1	96.1	95.6	0.82	0.80	0.76	0.67	9101	2.50	0.90	4.8	56	2200	1.00
800	**1NA1 504-8AA60-0A.0**	744	100	95.5	96.0	96.1	95.8	0.81	0.80	0.77	0.69	10268	2.25	0.80	5.4	59	2700	1.00
810	**1NA1 504-8AA60-0C.0**	745	97	95.5	95.9	95.9	95.5	0.85	0.84	0.80	0.72	10382	2.55	0.75	5.6	76	2550	1.00
870	**1NA1 506-8AA60-0A.0**	745	108	95.7	96.1	96.1	95.7	0.81	0.80	0.76	0.67	11152	2.55	0.90	6.1	66	3550	1.00
880	**1NA1 506-8AA60-0C.0**	746	106	95.8	96.0	95.9	95.3	0.85	0.83	0.78	0.69	11265	2.85	0.85	6.2	85	3250	1.00
920	**1NA1 508-8AA60-0A.0**	746	116	95.8	96.1	96.0	95.6	0.82	0.80	0.75	0.65	11777	2.80	1.05	6.6	75	3600	1.00
920	**1NA1 508-8AA60-0C.0**	746	112	95.8	96.0	95.8	95.2	0.85	0.82	0.77	0.66	11777	3.15	1.05	6.8	96	3200	1.00
1220	**1NA1 564-8AA60-0C.0**	745	142	96.4	96.8	97.0	96.8	0.85	0.85	0.83	0.76	15638	2.30	0.60	4.6	136	5000	0.95
1350	**1NA1 566-8AA60-0C.0**	745	160	96.6	96.9	97.1	96.8	0.85	0.84	0.82	0.75	17304	2.50	0.60	5.0	152	6100	1.00
1430	**1NA1 568-8AA60-0C.0**	746	168	96.7	97.0	97.1	96.8	0.85	0.84	0.82	0.74	18305	2.65	0.65	5.3	167	5350	1.00

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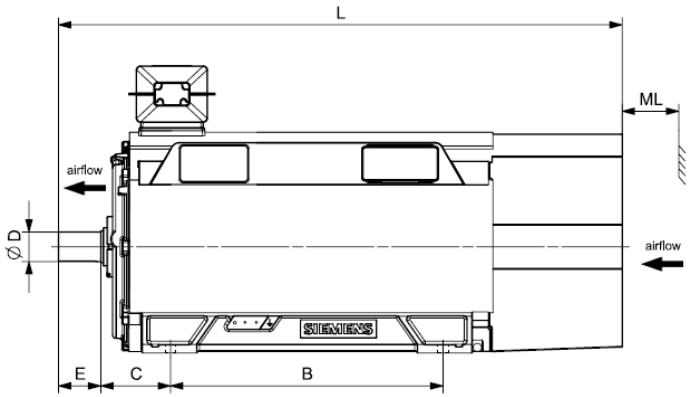


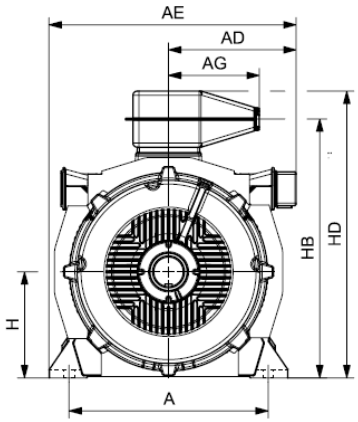


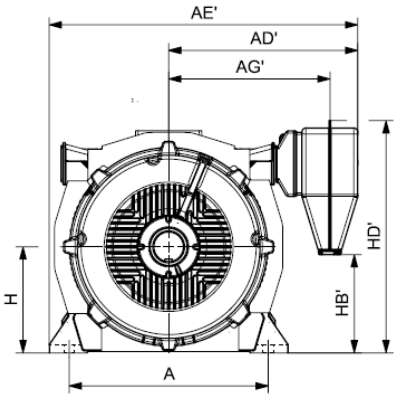


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2AA60-0A.0	3400	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 402-2AA60-0C.0	3400	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 404-2AA60-0A.0	3500	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 404-2AA60-0C.0	3600	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 406-2AA60-0A.0	3700	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 406-2AA60-0C.0	3800	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 408-2AA60-0A.0	3800	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 408-2AA60-0C.0	3900	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 454-2AA60-0A.0	4600	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 454-2AA60-0C.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AA60-0A.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AA60-0C.0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AA60-0A.0	5100	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AA60-0C.0	5200	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 504-2AA60-0AC0	6100	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 504-2AA60-0C.0	6300	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 506-2AA60-0AC0	6500	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 506-2AA60-0C.0	6700	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 508-2AA60-0AC0	6800	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 508-2AA60-0C.0	7000	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 566-2AA60-0C.0	9000	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	2642	225
1NA1 568-2AA60-0C.0	9400	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	2642	225

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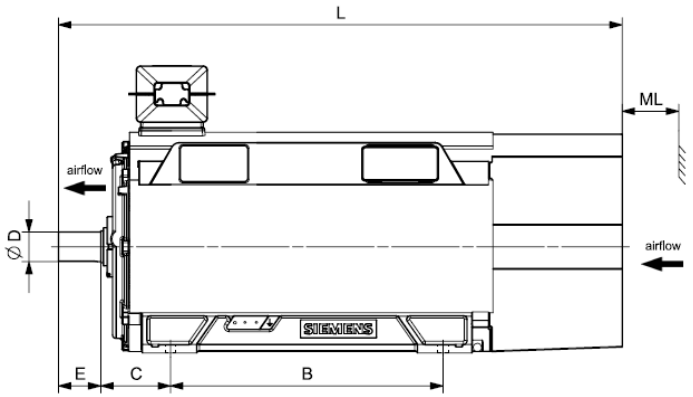


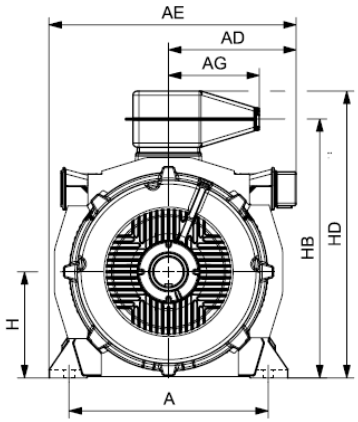


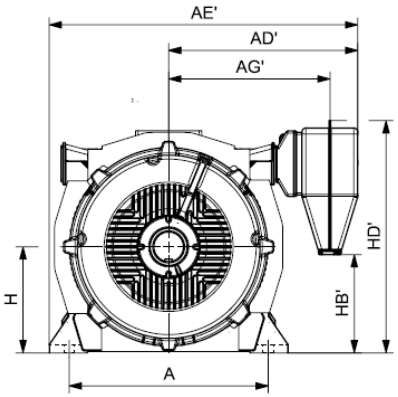


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
4-pole																			
1NA1 404-4AA60-0C.0	3700	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 404-4AA60-0A.0	3600	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-4AA60-0C.0	3900	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-4AA60-0A.0	3800	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-4AA60-0C.0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-4AA60-0A.0	4000	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 454-4AA60-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-4AA60-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AA60-0A.0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AA60-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AA60-0A.0	5400	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AA60-0C.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-4AA60-0A.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-4AA60-0C.0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AA60-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AA60-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AA60-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AA60-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 562-4AA60-0A.0	7900	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 562-4AA60-0C.0	8200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AA60-0A.0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AA60-0C.0	8700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

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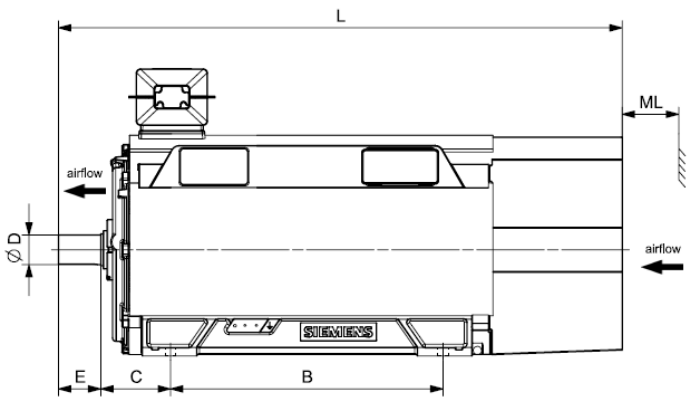


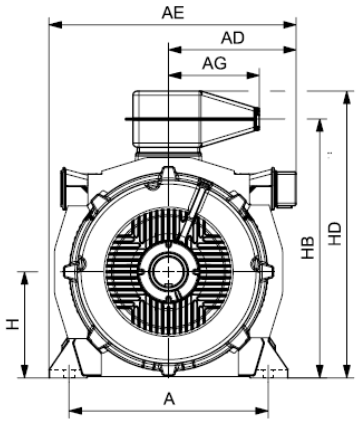


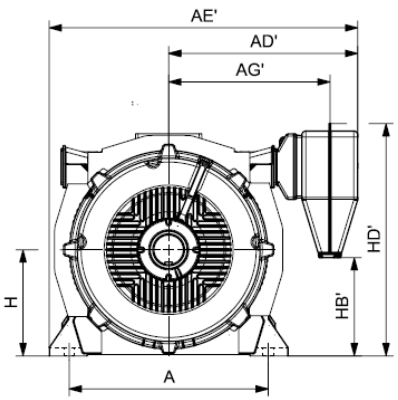


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 566-4AA60-0A.0	8800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AA60-0C.0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AA60-0A.0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AA60-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
6-pole																			
1NA1 404-6AA60-0CA0	3800	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 404-6AA60-0AA0	3700	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-6AA60-0CA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-6AA60-0AA0	3900	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-6AA60-0CA0	4300	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-6AA60-0AA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 454-6AA60-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-6AA60-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AA60-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AA60-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AA60-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AA60-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 502-6AA60-0A.0	5900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 502-6AA60-0C.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AA60-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AA60-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AA60-0A.0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AA60-0C.0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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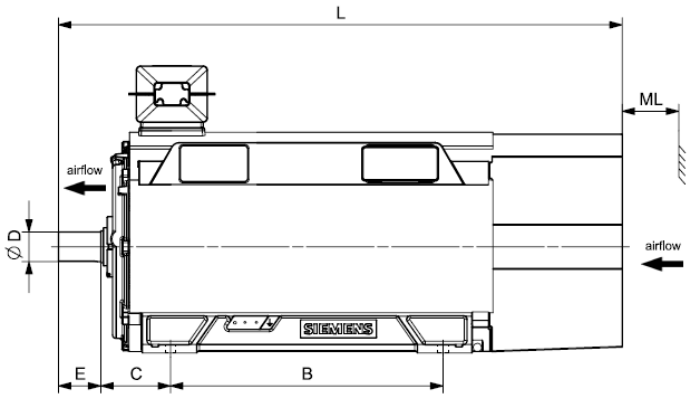


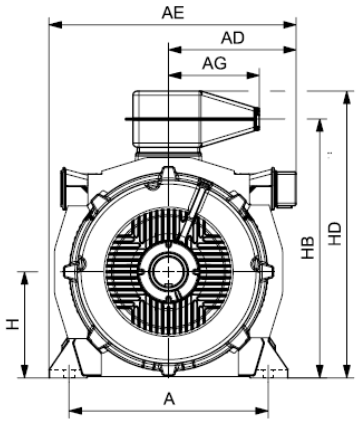


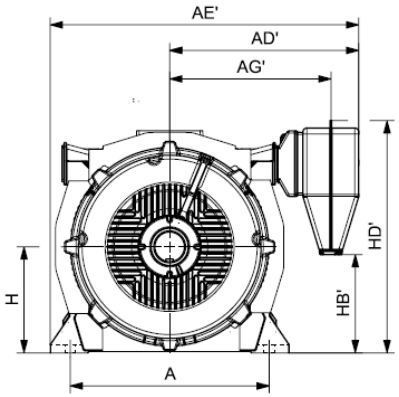


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-6AA60-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AA60-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-6AA60-0C.0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-6AA60-0C.0	9600	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-6AA60-0C.0	10200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
8-pole																			
1NA1 404-8AA60-0AA0	3600	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 404-8AA60-0CA0	3800	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-8AA60-0AA0	3900	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-8AA60-0CA0	4000	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-8AA60-0AA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-8AA60-0CA0	4300	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 454-8AA60-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-8AA60-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AA60-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AA60-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AA60-0A.0	5400	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AA60-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-8AA60-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-8AA60-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AA60-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AA60-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AA60-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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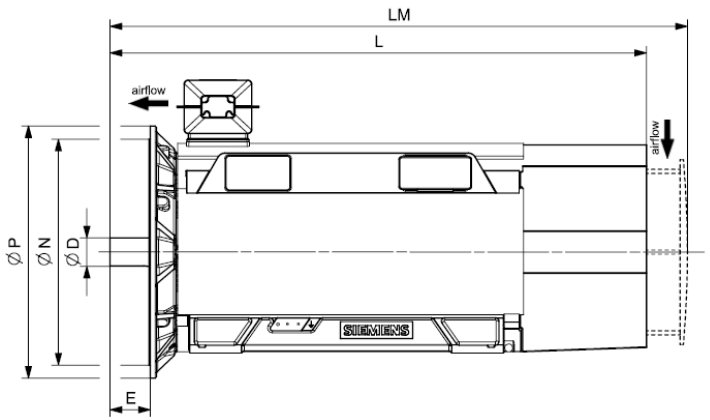


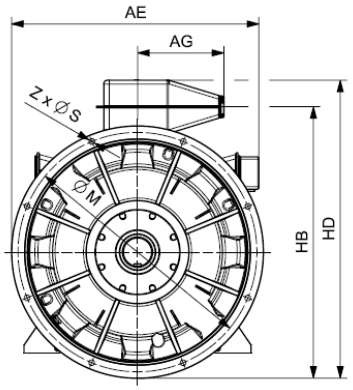




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-8AA60-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-8AA60-0C.0	9000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-8AA60-0C.0	9600	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-8AA60-0C.0	10100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

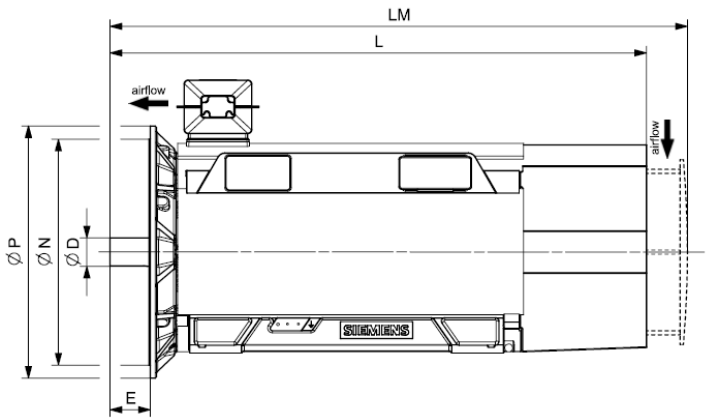
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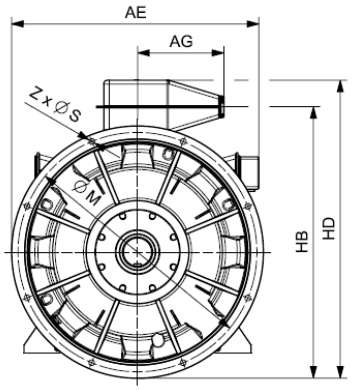




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4AA64-0CA0	3800	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 404-4AA64-0AA0	3700	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-4AA64-0CA0	4000	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-4AA64-0AA0	3900	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-4AA64-0CA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-4AA64-0AA0	4100	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 454-4AA64-0AA0	4900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-4AA64-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AA64-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AA64-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AA64-0AA0	5500	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AA64-0CA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-4AA64-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-4AA64-0CA0	6600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AA64-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AA64-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AA64-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AA64-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 562-4AA64-0AA0	8200	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 562-4AA64-0CA0	8500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AA64-0AA0	8700	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AA64-0CA0	9000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

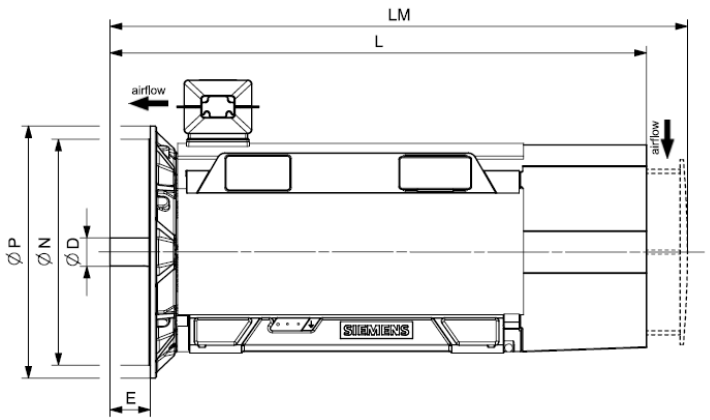
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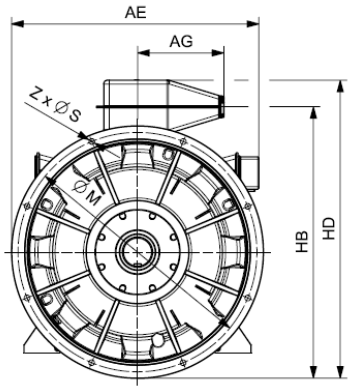




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-4AA64-0AA0	9100	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AA64-0CA0	9500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AA64-0AA0	9600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AA64-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AA64-0CA0	3900	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 404-6AA64-0AA0	3800	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-6AA64-0CA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-6AA64-0AA0	4000	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-6AA64-0CA0	4400	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-6AA64-0AA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 454-6AA64-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-6AA64-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AA64-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AA64-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AA64-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AA64-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 502-6AA64-0AA0	6100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 502-6AA64-0CA0	6300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AA64-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AA64-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AA64-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AA64-0CA0	7200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16

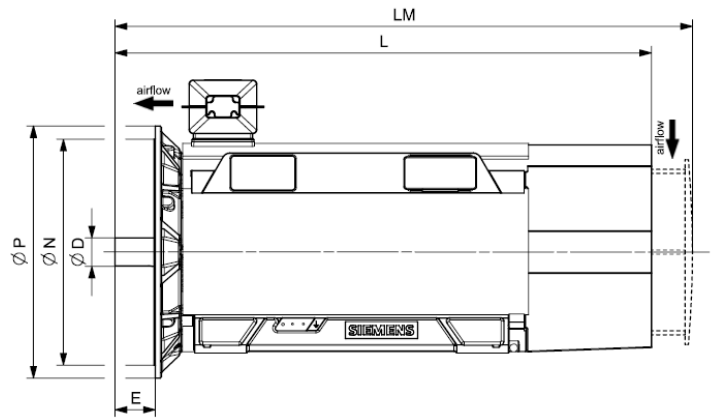
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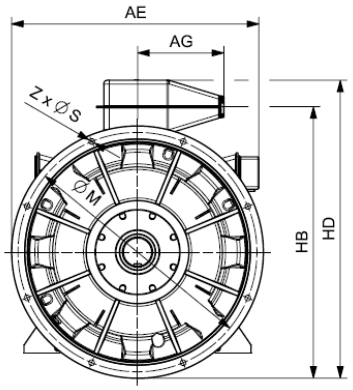




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-6AA64-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AA64-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-6AA64-0CA0	9400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-6AA64-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-6AA64-0CA0	10500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AA64-0AA0	3700	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 404-8AA64-0CA0	3900	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-8AA64-0AA0	4000	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-8AA64-0CA0	4100	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-8AA64-0AA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-8AA64-0CA0	4400	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 454-8AA64-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-8AA64-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AA64-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AA64-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AA64-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AA64-0CA0	5800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-8AA64-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-8AA64-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AA64-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AA64-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AA64-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-8AA64-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-8AA64-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-8AA64-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-8AA64-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3600 rpm at 60 Hz																		
820	**1NA1 402-2AA10-0C.0**	3575	86	95.9	96.2	96.3	95.8	0.87	0.87	0.86	0.82	2190	2.30	0.65	5.1	11	40	0.95
820	**1NA1 402-2AA10-0A.0**	3577	87	95.9	96.2	96.3	95.8	0.85	0.86	0.85	0.82	2189	2.15	0.95	4.7	9	15	0.70
860	**1NA1 404-2AA10-0C.0**	3576	88	96.0	96.3	96.4	95.9	0.88	0.89	0.88	0.84	2297	2.40	0.60	5.3	12	50	1.00
860	**1NA1 404-2AA10-0A.0**	3578	89	96.0	96.3	96.4	95.9	0.87	0.88	0.87	0.83	2295	2.30	0.95	5.0	10	15	0.80
960	**1NA1 406-2AA10-0A.0**	3578	99	96.2	96.5	96.6	96.1	0.87	0.88	0.88	0.84	2562	2.30	1.05	5.1	11	10	0.90
960	**1NA1 406-2AA10-0C.0**	3576	98	96.2	96.5	96.6	96.2	0.88	0.89	0.88	0.85	2564	2.40	0.65	5.3	14	55	1.00
1060	**1NA1 408-2AA10-0A.0**	3580	108	96.4	96.7	96.7	96.2	0.88	0.88	0.87	0.83	2827	2.55	1.20	5.6	12	10	0.90
1050	**1NA1 408-2AA10-0C.0**	3579	106	96.4	96.6	96.7	96.2	0.89	0.89	0.88	0.83	2802	2.65	0.75	6.0	14	70	1.00
1120	**1NA1 454-2AA10-0AC0**	3580	116	96.5	96.8	96.9	96.5	0.86	0.88	0.88	0.85	2987	2.05	1.10	5.0	14	5	0.40
1120	**1NA1 454-2AA10-0C.0**	3579	112	96.4	96.7	96.8	96.3	0.89	0.90	0.89	0.86	2988	2.25	0.75	5.3	19	70	0.95
1250	**1NA1 456-2AA10-0AC0**	3581	126	96.7	97.0	97.0	96.7	0.88	0.89	0.89	0.86	3333	2.25	1.25	5.4	16	0	0.30
1250	**1NA1 456-2AA10-0C.0**	3580	126	96.6	96.9	96.9	96.5	0.90	0.90	0.90	0.86	3334	2.40	0.80	5.7	21	75	1.00
1400	**1NA1 458-2AA10-0AC0**	3584	142	97.0	97.2	97.2	96.7	0.89	0.89	0.89	0.85	3730	2.55	1.45	6.2	17	0	0.30
1440	**1NA1 458-2AA10-0C.0**	3582	142	96.9	97.1	97.1	96.6	0.91	0.91	0.90	0.86	3839	2.65	0.90	6.3	22	90	1.00
1570	**1NA1 504-2AA10-0CC0**	3585	158	96.7	96.8	96.7	96.0	0.89	0.90	0.90	0.86	4182	2.65	0.65	5.7	29	105	0.85
1750	**1NA1 506-2AA10-0CC0**	3586	174	96.9	97.0	96.9	96.2	0.90	0.91	0.90	0.86	4660	2.85	0.65	6.2	33	105	0.95
1920	**1NA1 508-2AA10-0CC0**	3588	190	97.1	97.1	97.0	96.3	0.91	0.91	0.90	0.85	5110	3.30	0.80	7.2	36	140	1.00
2150	**1NA1 566-2AA10-0CC0**	3588	215	97.0	97.1	96.9	96.3	0.90	0.91	0.91	0.89	5722	2.45	0.55	5.5	55	250	0.70
2400	**1NA1 568-2AA10-0CC0**	3589	235	97.2	97.3	97.1	96.5	0.91	0.92	0.91	0.89	6386	2.75	0.60	6.1	59	200	0.80
4-pole: n_{sync} = 1800 rpm at 60 Hz																		
850	**1NA1 404-4AA10-0A.0**	1786	92	95.8	96.3	96.5	96.2	0.83	0.84	0.83	0.79	4545	2.10	0.95	4.5	12	90	1.00
860	**1NA1 404-4AA10-0C.0**	1787	92	95.9	96.4	96.6	96.3	0.84	0.85	0.84	0.80	4596	2.25	0.60	4.8	15	200	1.00
910	**1NA1 406-4AA10-0A.0**	1787	97	96.0	96.4	96.6	96.2	0.84	0.85	0.84	0.78	4863	2.25	1.05	4.9	13	125	1.00
930	**1NA1 406-4AA10-0C.0**	1788	98	96.1	96.5	96.7	96.4	0.85	0.86	0.84	0.79	4967	2.45	0.65	5.1	17	250	1.00
1000	**1NA1 408-4AA10-0A.0**	1788	106	96.2	96.5	96.6	96.3	0.85	0.85	0.84	0.78	5341	2.40	1.15	5.2	15	145	1.00
1020	**1NA1 408-4AA10-0C.0**	1789	108	96.3	96.6	96.7	96.4	0.86	0.86	0.85	0.79	5445	2.60	0.70	5.5	19	350	1.00
1120	**1NA1 454-4AA10-0A.0**	1790	122	96.4	96.7	96.7	96.2	0.83	0.83	0.81	0.74	5975	2.35	1.15	5.4	22	150	1.00
1120	**1NA1 454-4AA10-0C.0**	1791	120	96.4	96.7	96.7	96.1	0.84	0.85	0.82	0.75	5972	2.50	0.70	5.9	28	450	1.00
1180	**1NA1 456-4AA10-0A.0**	1791	126	96.5	96.8	96.8	96.3	0.84	0.84	0.82	0.75	6292	2.45	1.25	5.7	25	250	1.00
1210	**1NA1 456-4AA10-0C.0**	1792	128	96.5	96.8	96.8	96.2	0.86	0.86	0.83	0.76	6448	2.60	0.75	6.1	32	500	1.00
1380	**1NA1 458-4AA10-0A.0**	1791	148	96.7	97.0	97.0	96.5	0.84	0.84	0.82	0.75	7358	2.45	1.25	5.7	28	200	1.00
1400	**1NA1 458-4AA10-0C.0**	1792	146	96.7	97.0	97.0	96.4	0.86	0.86	0.83	0.76	7460	2.65	0.75	6.2	35	650	1.00
1600	**1NA1 504-4AA10-0C.0**	1793	170	96.6	96.7	96.5	95.8	0.85	0.85	0.83	0.76	8521	2.60	0.70	6.4	42	550	1.00
1560	**1NA1 504-4AA10-0A.0**	1792	168	96.5	96.5	96.4	95.6	0.84	0.84	0.81	0.74	8313	2.50	1.05	5.9	33	145	1.00
1750	**1NA1 506-4AA10-0A.0**	1791	186	96.5	96.7	96.6	96.0	0.85	0.85	0.84	0.78	9331	2.25	0.90	5.2	38	150	0.85
1810	**1NA1 506-4AA10-0C.0**	1792	190	96.7	96.8	96.8	96.2	0.86	0.86	0.85	0.80	9645	2.30	0.60	5.7	48	550	0.95

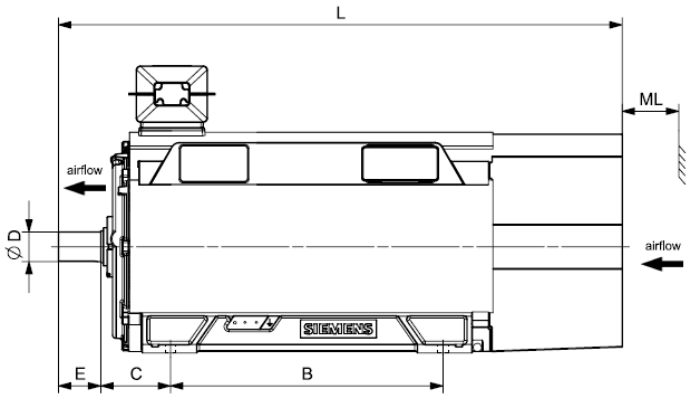
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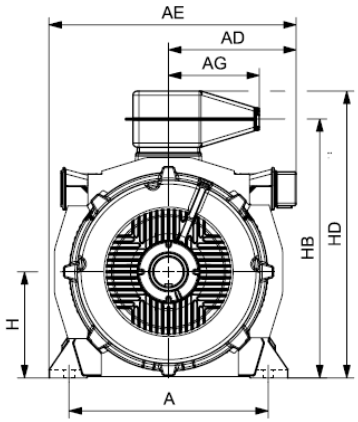
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
1900	**1NA1 508-4AA10-0A.0**	1792	200	96.8	96.8	96.7	96.0	0.85	0.85	0.83	0.76	10125	2.60	1.05	6.0	43	200	1.00
1950	**1NA1 508-4AA10-0C.0**	1793	205	96.9	97.0	96.8	96.2	0.86	0.86	0.84	0.77	10385	2.65	0.70	6.6	55	800	1.00
2200	**1NA1 562-4AA10-0C.0**	1792	230	96.8	96.9	96.7	95.9	0.84	0.86	0.85	0.80	11723	2.15	0.60	5.5	72	500	0.95
2170	**1NA1 562-4AA10-0A.0**	1792	230	96.6	96.7	96.5	95.6	0.83	0.85	0.83	0.78	11564	2.10	0.90	5.3	55	200	0.85
2400	**1NA1 564-4AA10-0C.0**	1793	250	97.0	97.0	96.9	96.1	0.85	0.86	0.85	0.79	12782	2.30	0.65	6.1	79	650	1.00
2350	**1NA1 564-4AA10-0A.0**	1793	250	96.8	96.9	96.6	95.7	0.84	0.85	0.83	0.77	12516	2.30	0.95	5.8	60	200	1.00
2600	**1NA1 566-4AA10-0A.0**	1793	275	96.9	97.0	96.8	96.0	0.84	0.86	0.84	0.79	13847	2.20	0.90	5.6	67	250	0.90
2670	**1NA1 566-4AA10-0C.0**	1793	275	97.1	97.2	97.0	96.4	0.85	0.87	0.86	0.81	14220	2.25	0.60	5.8	88	700	1.00
2800	**1NA1 568-4AA10-0A.0**	1794	295	97.1	97.1	96.9	96.1	0.86	0.86	0.84	0.77	14904	2.55	1.15	6.3	74	250	1.00
2870	**1NA1 568-4AA10-0C.0**	1794	295	97.3	97.3	97.1	96.4	0.87	0.88	0.86	0.79	15277	2.60	0.75	6.7	97	950	1.00
6-pole: n_{sync} = 1200 rpm at 60 Hz																		
710	**1NA1 404-6AA10-0CA0**	1193	78	95.8	96.1	96.3	95.9	0.83	0.83	0.80	0.72	5683	2.40	0.85	5.1	27	400	1.00
710	**1NA1 404-6AA10-0AA0**	1192	80	95.7	96.1	96.4	96.0	0.81	0.81	0.79	0.71	5688	2.40	1.20	5.3	22	500	1.00
750	**1NA1 406-6AA10-0CA0**	1193	82	95.9	96.2	96.4	95.8	0.84	0.83	0.80	0.71	6003	2.55	0.85	5.4	31	450	1.00
750	**1NA1 406-6AA10-0AA0**	1192	83	95.8	96.2	96.4	96.0	0.82	0.82	0.79	0.71	6008	2.50	1.25	5.5	25	550	1.00
800	**1NA1 408-6AA10-0CA0**	1194	89	96.0	96.3	96.3	95.7	0.84	0.82	0.78	0.68	6398	2.85	1.00	6.0	34	550	1.00
800	**1NA1 408-6AA10-0AA0**	1193	90	96.0	96.3	96.4	95.9	0.82	0.81	0.78	0.68	6404	2.85	1.45	6.1	27	650	1.00
840	**1NA1 454-6AA10-0A.0**	1193	95	96.1	96.4	96.4	95.9	0.80	0.80	0.77	0.69	6724	2.40	1.15	6.0	32	1500	1.00
900	**1NA1 454-6AA10-0C.0**	1193	98	96.2	96.5	96.6	96.1	0.83	0.83	0.80	0.73	7204	2.45	0.70	5.3	41	1150	1.00
950	**1NA1 456-6AA10-0A.0**	1194	106	96.2	96.5	96.5	96.0	0.81	0.81	0.78	0.71	7598	2.40	1.15	6.1	37	1600	1.00
1000	**1NA1 456-6AA10-0C.0**	1193	108	96.3	96.6	96.6	96.2	0.84	0.84	0.81	0.73	8004	2.50	0.70	5.5	47	1250	1.00
1000	**1NA1 458-6AA10-0A.0**	1194	112	96.4	96.6	96.5	95.9	0.82	0.81	0.78	0.70	7998	2.70	1.25	6.6	44	2100	1.00
1020	**1NA1 458-6AA10-0C.0**	1194	112	96.5	96.7	96.5	96.0	0.85	0.83	0.80	0.71	8158	2.85	0.80	6.2	56	1400	1.00
1250	**1NA1 502-6AA10-0C.0**	1195	132	96.5	96.8	96.8	96.5	0.86	0.86	0.84	0.77	9989	2.45	0.65	6.1	68	1100	1.00
1210	**1NA1 502-6AA10-0A.0**	1193	134	96.2	96.6	96.8	96.5	0.81	0.82	0.80	0.75	9685	2.10	1.30	5.7	53	300	1.00
1450	**1NA1 504-6AA10-0C.0**	1195	152	96.6	96.9	97.0	96.6	0.87	0.86	0.84	0.77	11587	2.50	0.70	6.2	76	1000	1.00
1350	**1NA1 504-6AA10-0A.0**	1194	148	96.4	96.8	96.9	96.6	0.82	0.82	0.81	0.74	10797	2.25	1.40	6.0	60	350	1.00
1550	**1NA1 506-6AA10-0C.0**	1195	162	96.7	97.0	97.1	96.7	0.87	0.86	0.84	0.78	12386	2.60	0.70	6.4	86	1200	1.00
1450	**1NA1 506-6AA10-0A.0**	1194	158	96.5	96.9	97.0	96.7	0.83	0.83	0.81	0.75	11597	2.30	1.45	6.2	68	450	1.00
1650	**1NA1 508-6AA10-0A.0**	1194	180	96.7	97.0	97.1	96.8	0.83	0.83	0.81	0.75	13196	2.35	1.40	6.3	77	450	1.00
1760	**1NA1 508-6AA10-0C.0**	1195	184	96.9	97.1	97.2	96.8	0.87	0.86	0.84	0.78	14064	2.65	0.70	6.5	97	1450	1.00
2270	**1NA1 564-6AA10-0C.0**	1194	235	97.0	97.3	97.4	97.1	0.86	0.87	0.87	0.84	18155	2.25	0.45	4.6	137	1200	0.75
2400	**1NA1 566-6AA10-0C.0**	1195	250	97.2	97.4	97.4	96.9	0.87	0.87	0.85	0.80	19179	2.80	0.55	5.8	152	1700	1.00
2500	**1NA1 568-6AA10-0C.0**	1195	260	97.2	97.4	97.4	97.0	0.87	0.87	0.86	0.81	19978	2.70	0.55	5.6	167	2050	0.95
8-pole: n_{sync} = 900 rpm at 60 Hz																		
550	**1NA1 404-8AA10-0AA0**	891	63	95.2	95.8	96.1	95.8	0.80	0.80	0.77	0.68	5895	2.20	0.90	4.6	22	850	1.00
550	**1NA1 404-8AA10-0CA0**	893	63	95.4	95.9	96.0	95.6	0.81	0.80	0.76	0.67	5881	2.05	0.70	4.0	27	850	1.00

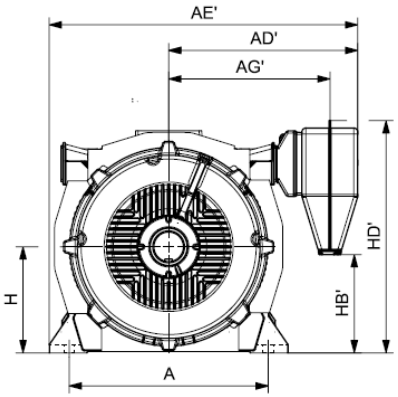
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SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
600	**1NA1 406-8AA10-0AA0**	891	68	95.4	96.0	96.2	96.0	0.81	0.80	0.78	0.69	6431	2.25	0.90		4.7		25	1100	1.00
600	**1NA1 406-8AA10-0CA0**	893	68	95.6	96.1	96.2	95.7	0.81	0.80	0.77	0.67	6416	2.05	0.70		4.1		31	1100	1.00
650	**1NA1 408-8AA10-0AA0**	892	74	95.7	96.1	96.2	95.8	0.81	0.80	0.76	0.67	6959	2.50	1.00		5.2		27	1400	1.00
650	**1NA1 408-8AA10-0CA0**	894	74	95.8	96.2	96.2	95.6	0.81	0.80	0.75	0.65	6943	2.30	0.80		4.5		34	1300	1.00
740	**1NA1 454-8AA10-0A.0**	893	86	95.5	96.0	96.2	95.7	0.78	0.78	0.75	0.68	7913	2.15	1.00		4.7		32	2000	1.00
760	**1NA1 454-8AA10-0C.0**	893	86	95.6	96.1	96.1	95.6	0.81	0.80	0.77	0.69	8127	2.15	0.70		4.1		41	1300	1.00
800	**1NA1 456-8AA10-0A.0**	893	92	95.7	96.1	96.2	95.7	0.79	0.79	0.76	0.68	8555	2.30	1.05		5.0		37	2200	1.00
820	**1NA1 456-8AA10-0C.0**	894	93	95.8	96.2	96.2	95.6	0.81	0.80	0.77	0.69	8759	2.25	0.75		4.4		47	1500	1.00
900	**1NA1 458-8AA10-0A.0**	894	104	96.0	96.3	96.3	95.7	0.79	0.78	0.74	0.65	9613	2.50	1.15		5.5		44	2950	1.00
900	**1NA1 458-8AA10-0C.0**	895	104	96.0	96.3	96.2	95.5	0.81	0.79	0.75	0.65	9603	2.55	0.85		4.9		56	2100	1.00
900	**1NA1 504-8AA10-0A.0**	894	102	95.6	96.0	96.0	95.6	0.81	0.81	0.78	0.71	9613	2.20	0.75		5.4		59	1700	1.00
910	**1NA1 504-8AA10-0C.0**	895	99	95.6	95.9	95.7	95.1	0.86	0.84	0.81	0.73	9709	2.55	0.75		5.6		76	1600	1.00
1000	**1NA1 506-8AA10-0A.0**	895	112	95.8	96.1	96.0	95.5	0.82	0.81	0.77	0.69	10670	2.40	0.85		5.9		66	2100	1.00
1000	**1NA1 506-8AA10-0C.0**	896	108	95.8	96.0	95.7	95.0	0.85	0.84	0.79	0.70	10658	2.80	0.85		6.2		85	1950	1.00
1100	**1NA1 508-8AA10-0A.0**	895	124	96.0	96.3	96.1	95.6	0.82	0.81	0.77	0.68	11737	2.60	0.90		6.3		75	3050	1.00
1080	**1NA1 508-8AA10-0C.0**	896	118	96.0	96.1	95.8	95.0	0.85	0.83	0.78	0.69	11510	3.05	0.85		6.7		96	2850	1.00
1400	**1NA1 564-8AA10-0C.0**	895	150	96.6	96.8	96.8	96.4	0.85	0.84	0.82	0.76	14937	2.45	0.60		4.9		136	3750	0.95
1550	**1NA1 566-8AA10-0C.0**	896	166	96.7	96.9	96.8	96.3	0.85	0.84	0.81	0.73	16519	2.70	0.65		5.3		152	3850	1.00
1600	**1NA1 568-8AA10-0C.0**	896	172	96.8	96.9	96.9	96.4	0.85	0.84	0.82	0.74	17052	2.70	0.60		5.4		167	4100	1.00

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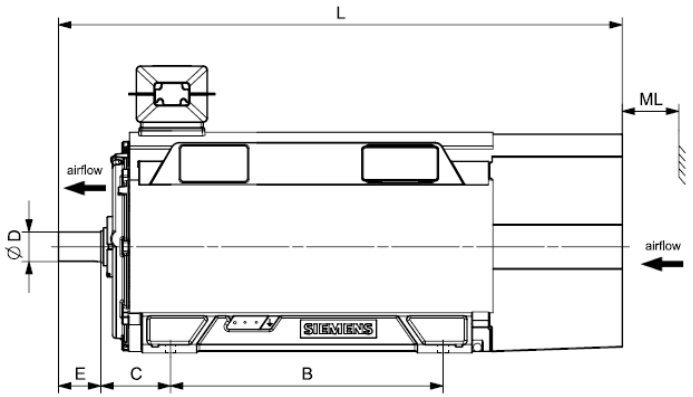


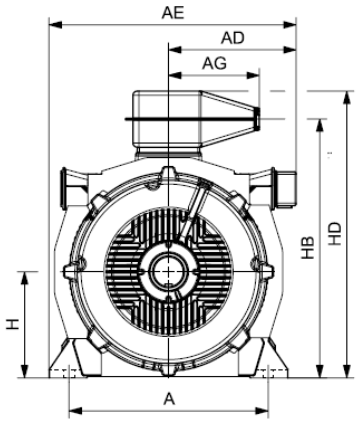


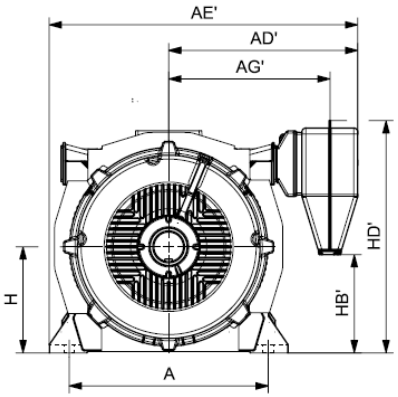


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2AA10-0C.0	3500	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 402-2AA10-0A.0	3400	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 404-2AA10-0C.0	3600	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 404-2AA10-0A.0	3500	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 406-2AA10-0A.0	3700	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 406-2AA10-0C.0	3800	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 408-2AA10-0A.0	3800	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 408-2AA10-0C.0	3900	750	520	804	970	1254	489	673	1120	254	85	130	400	991	232	1122	924	2162	160
1NA1 454-2AA10-0AC0	4600	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 454-2AA10-0C.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AA10-0AC0	4900	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 456-2AA10-0C.0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AA10-0AC0	5100	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 458-2AA10-0C.0	5300	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 504-2AA10-0CC0	6200	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 506-2AA10-0CC0	6600	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 508-2AA10-0CC0	7000	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 566-2AA10-0CC0	8500	1060	670	954	1305	1589	489	823	1400	560	120	165	560	1348	509	1479	1201	2922	225
1NA1 568-2AA10-0CC0	9100	1060	670	954	1305	1589	489	823	1400	560	120	165	560	1348	509	1479	1201	2922	225
4-pole																			
1NA1 404-4AA10-0A.0	3600	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 404-4AA10-0C.0	3700	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160

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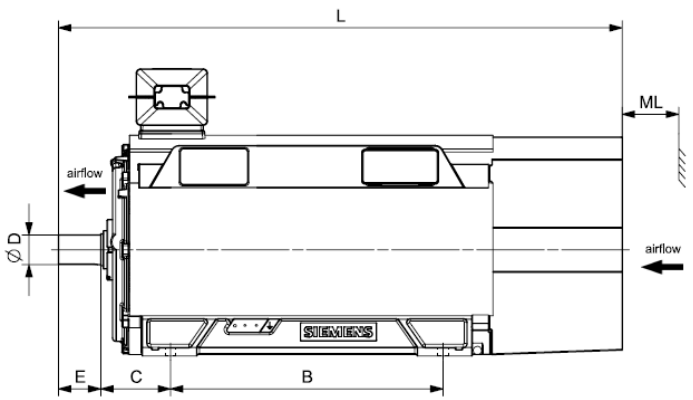


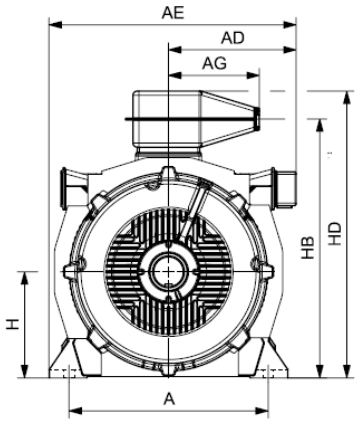


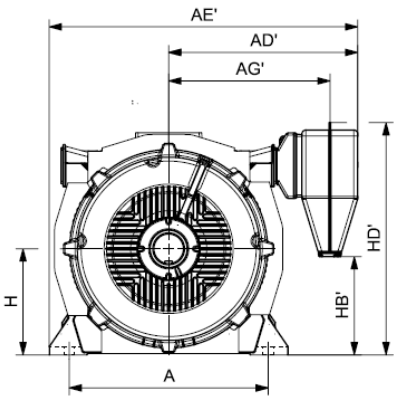


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 406-4AA10-0A.0	3800	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-4AA10-0C.0	3900	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-4AA10-0A.0	4000	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-4AA10-0C.0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 454-4AA10-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-4AA10-0C.0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AA10-0A.0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AA10-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AA10-0A.0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AA10-0C.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-4AA10-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-4AA10-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AA10-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AA10-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AA10-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AA10-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 562-4AA10-0C.0	8300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 562-4AA10-0A.0	8000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
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1NA1 564-4AA10-0A.0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AA10-0A.0	8800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AA10-0C.0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AA10-0A.0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

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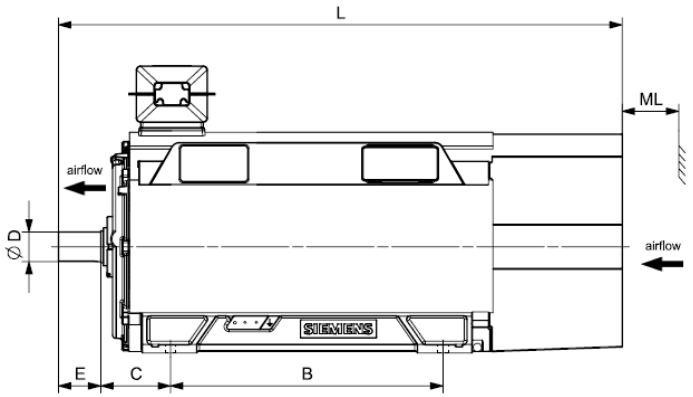


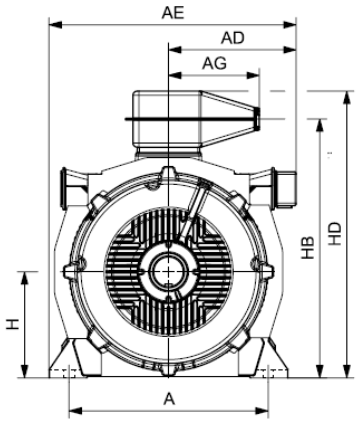


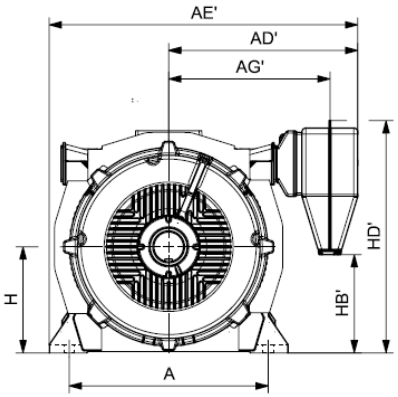


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 568-4AA10-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
6-pole																			
1NA1 404-6AA10-0CA0	3800	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 404-6AA10-0AA0	3700	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-6AA10-0CA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-6AA10-0AA0	3900	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-6AA10-0CA0	4300	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-6AA10-0AA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 454-6AA10-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-6AA10-0C.0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AA10-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AA10-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AA10-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AA10-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 502-6AA10-0C.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 502-6AA10-0A.0	6000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AA10-0C.0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AA10-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AA10-0C.0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AA10-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AA10-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AA10-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-6AA10-0C.0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

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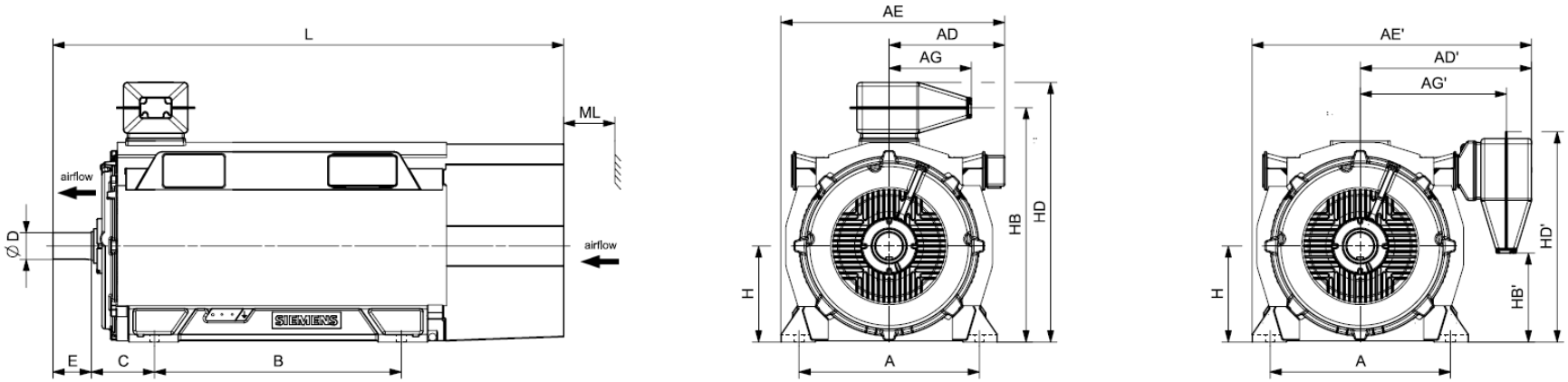




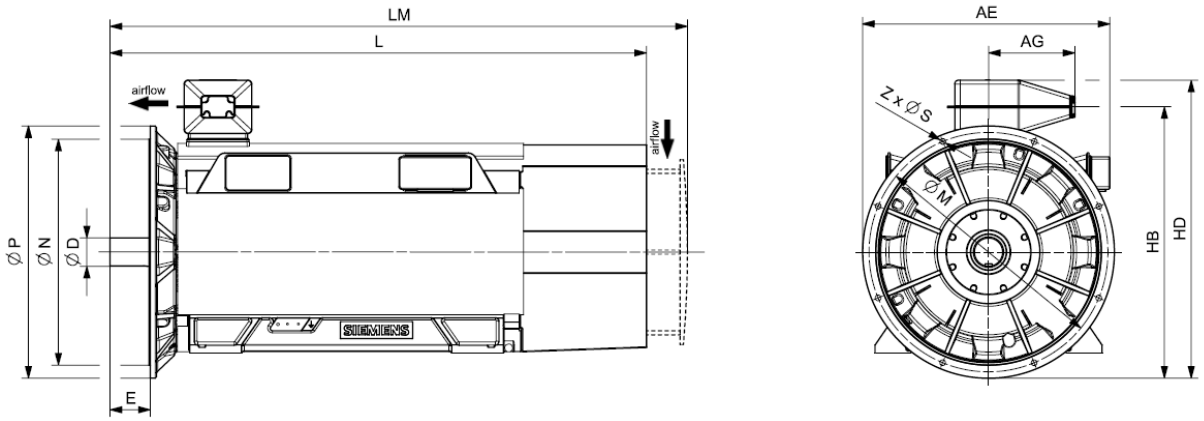


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 566-6AA10-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-6AA10-0C.0	10100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
8-pole																			
1NA1 404-8AA10-0AA0	3700	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 404-8AA10-0CA0	3800	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-8AA10-0AA0	3900	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 406-8AA10-0CA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-8AA10-0AA0	4100	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 408-8AA10-0CA0	4300	750	520	804	970	1254	489	673	1120	254	110	165	400	991	232	1122	924	2197	160
1NA1 454-8AA10-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-8AA10-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AA10-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AA10-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AA10-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AA10-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-8AA10-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-8AA10-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AA10-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AA10-0C.0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AA10-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AA10-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-8AA10-0C.0	9000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-8AA10-0C.0	9500	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

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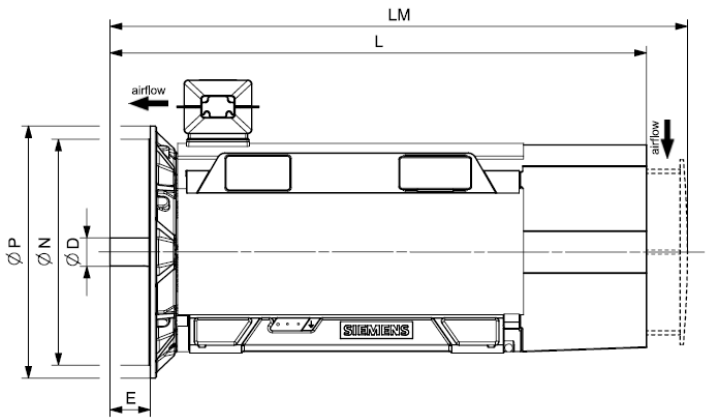


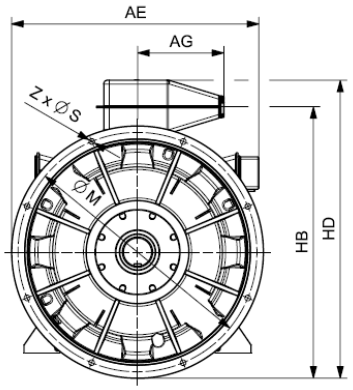
Motor type	Weight	Dimensions																		
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																				
1NA1 568-8AA10-0C.0	10100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225



Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4AA14-0AA0	3700	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 404-4AA14-0CA0	3800	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-4AA14-0AA0	3900	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-4AA14-0CA0	4000	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-4AA14-0AA0	4100	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-4AA14-0CA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 454-4AA14-0AA0	4900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-4AA14-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AA14-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AA14-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AA14-0AA0	5500	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AA14-0CA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-4AA14-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-4AA14-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AA14-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AA14-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AA14-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AA14-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 562-4AA14-0CA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 562-4AA14-0AA0	8300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AA14-0CA0	9000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AA14-0AA0	8700	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

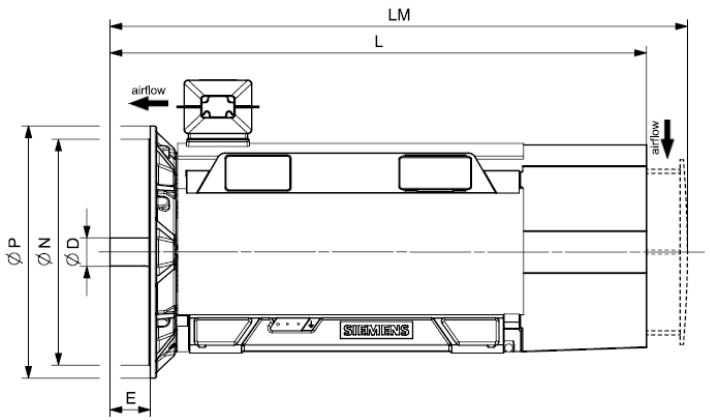
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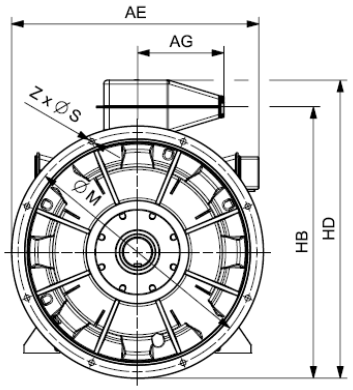




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-4AA14-0AA0	9100	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AA14-0CA0	9500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AA14-0AA0	9600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AA14-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AA14-0CA0	3900	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 404-6AA14-0AA0	3800	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-6AA14-0CA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-6AA14-0AA0	4000	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-6AA14-0CA0	4400	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-6AA14-0AA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 454-6AA14-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-6AA14-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AA14-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AA14-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AA14-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AA14-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 502-6AA14-0CA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 502-6AA14-0AA0	6200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AA14-0CA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AA14-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AA14-0CA0	7200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AA14-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16

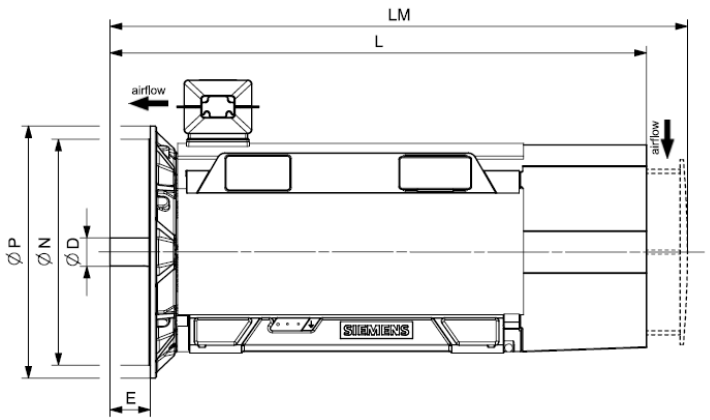
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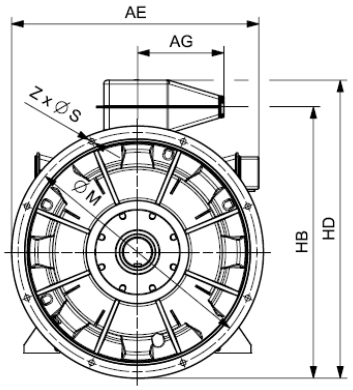




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-6AA14-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AA14-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-6AA14-0CA0	9400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-6AA14-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-6AA14-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AA14-0AA0	3700	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 404-8AA14-0CA0	3900	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-8AA14-0AA0	4000	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 406-8AA14-0CA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-8AA14-0AA0	4200	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 408-8AA14-0CA0	4400	1020	489	110	1091	1222	2197	2347	940	880	1000	22	8
1NA1 454-8AA14-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-8AA14-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AA14-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AA14-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AA14-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AA14-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-8AA14-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-8AA14-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AA14-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AA14-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AA14-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-8AA14-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-8AA14-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-8AA14-0CA0	9800	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-8AA14-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
280	**1NA1 354-2AA80-0AA0**	2975	20	94.1	95.0	95.3	95.1	0.83	0.85	0.85	0.83	899	2.10	1.00		4.6		4	25	1.00
355	**1NA1 356-2AA80-0AA0**	2977	25	94.7	95.5	95.8	95.6	0.84	0.86	0.85	0.83	1139	2.25	1.10		5.0		5	30	1.00
400	**1NA1 358-2AA80-0AA0**	2978	28	94.9	95.7	96.0	95.8	0.85	0.87	0.86	0.83	1283	2.30	1.15		5.2		5	35	1.00
520	**1NA1 402-2AA80-0A.0**	2980	36	95.4	95.7	95.9	95.5	0.87	0.87	0.86	0.81	1666	2.50	1.00		5.3		9	45	1.00
520	**1NA1 402-2AA80-0C.0**	2976	36	95.2	95.6	95.8	95.4	0.87	0.87	0.86	0.81	1669	2.45	0.70		5.0		11	45	1.00
560	**1NA1 404-2AA80-0A.0**	2980	39	95.4	95.9	96.1	95.7	0.87	0.87	0.87	0.82	1794	2.45	1.00		5.3		10	45	1.00
560	**1NA1 404-2AA80-0C.0**	2976	38	95.3	95.8	96.0	95.6	0.88	0.88	0.87	0.82	1797	2.40	0.65		5.0		12	45	1.00
680	**1NA1 406-2AA80-0A.0**	2982	46	95.9	96.2	96.4	96.0	0.89	0.88	0.87	0.82	2178	2.80	1.10		6.0		11	60	1.00
690	**1NA1 406-2AA80-0C.0**	2980	47	95.9	96.2	96.3	95.9	0.89	0.88	0.86	0.79	2211	2.85	0.80		6.0		13	75	1.00
810	**1NA1 408-2AA80-0A.0**	2982	55	96.1	96.5	96.7	96.3	0.88	0.88	0.87	0.82	2594	2.70	1.20		5.8		12	55	1.00
800	**1NA1 408-2AA80-0C.0**	2978	54	96.0	96.4	96.6	96.2	0.89	0.89	0.87	0.82	2565	2.70	0.80		5.8		14	95	1.00
820	**1NA1 452-2AA80-0C.0**	2981	55	96.1	96.5	96.7	96.3	0.89	0.89	0.88	0.84	2627	2.50	0.85		5.7		17	115	1.00
850	**1NA1 452-2AA80-0A.0**	2983	58	96.3	96.7	96.8	96.5	0.87	0.87	0.86	0.82	2721	2.40	1.15		5.6		13	30	1.00
900	**1NA1 454-2AA80-0C.0**	2980	60	96.2	96.6	96.8	96.5	0.89	0.90	0.89	0.86	2884	2.45	0.85		5.7		18	125	1.00
900	**1NA1 454-2AA80-0A.0**	2984	61	96.5	96.9	97.0	96.6	0.88	0.88	0.87	0.83	2880	2.50	1.25		5.9		15	45	1.00
1000	**1NA1 456-2AA80-0A.0**	2983	66	96.5	96.9	97.0	96.8	0.89	0.90	0.89	0.85	3201	2.50	1.20		5.8		16	30	1.00
960	**1NA1 456-2AA80-0C.0**	2983	63	96.4	96.8	96.9	96.6	0.91	0.91	0.90	0.85	3073	2.75	0.90		6.4		20	150	1.00
1050	**1NA1 458-2AA80-0A.0**	2987	69	96.8	97.0	97.1	96.7	0.90	0.90	0.88	0.82	3357	3.15	1.70		7.3		18	35	0.90
1060	**1NA1 458-2AA80-0C.0**	2986	69	96.7	97.0	97.0	96.6	0.91	0.91	0.89	0.83	3390	3.25	1.15		7.7		22	150	1.00
1250	**1NA1 504-2AA80-0AC0**	2984	85	96.6	96.9	97.0	96.6	0.88	0.88	0.88	0.85	4000	2.50	0.75		5.4		23	65	0.85
1250	**1NA1 504-2AA80-0C.0**	2986	83	96.6	96.8	96.8	96.4	0.90	0.90	0.90	0.86	3998	2.80	0.70		5.9		27	150	1.00
1320	**1NA1 506-2AA80-0AC0**	2986	88	96.8	97.0	97.1	96.7	0.89	0.89	0.89	0.85	4221	2.70	0.85		5.9		26	85	0.95
1340	**1NA1 506-2AA80-0C.0**	2986	88	96.8	97.0	97.0	96.5	0.91	0.91	0.90	0.86	4285	2.95	0.75		6.3		31	200	1.00
1500	**1NA1 508-2AA80-0AC0**	2987	99	97.0	97.2	97.2	96.8	0.90	0.90	0.89	0.84	4795	3.05	0.95		6.5		28	105	1.00
1510	**1NA1 508-2AA80-0C.0**	2988	99	97.0	97.1	97.1	96.6	0.91	0.91	0.90	0.85	4826	3.30	0.80		7.1		34	200	1.00
1700	**1NA1 566-2AA80-0C.0**	2988	110	97.0	97.2	97.2	96.7	0.90	0.91	0.91	0.89	5433	2.45	0.60		5.4		55	350	0.75
1910	**1NA1 568-2AA80-0C.0**	2989	124	97.2	97.4	97.3	96.9	0.91	0.92	0.91	0.88	6102	2.85	0.70		6.3		60	350	0.90
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
355	**1NA1 356-4AA80-0AA0**	1482	26	94.0	94.9	95.4	95.4	0.84	0.85	0.84	0.80	2287	2.20	1.15		4.8		6	150	1.00
400	**1NA1 357-4AA80-0AA0**	1485	28	94.5	95.4	95.3	95.0	0.86	0.86	0.83	0.77	2572	2.70	1.45		5.8		7	250	1.00
580	**1NA1 404-4AA80-0A.0**	1488	42	95.4	95.9	96.1	95.8	0.85	0.84	0.83	0.76	3722	2.50	1.20		5.2		12	400	1.00
600	**1NA1 404-4AA80-0C.0**	1489	43	95.4	95.9	96.2	95.9	0.84	0.84	0.83	0.77	3848	2.40	0.60		5.0		15	200	1.00
650	**1NA1 406-4AA80-0A.0**	1488	46	95.6	96.0	96.3	96.1	0.84	0.85	0.83	0.77	4171	2.40	1.10		5.1		13	400	1.00
650	**1NA1 406-4AA80-0C.0**	1489	46	95.6	96.1	96.4	96.1	0.84	0.85	0.83	0.77	4169	2.40	0.60		5.0		17	300	1.00
720	**1NA1 408-4AA80-0A.0**	1490	51	95.8	96.2	96.4	96.0	0.86	0.85	0.82	0.75	4614	2.80	1.35		5.9		15	450	1.00
730	**1NA1 408-4AA80-0C.0**	1491	51	95.9	96.3	96.4	96.1	0.86	0.85	0.83	0.75	4675	2.80	0.70		5.7		19	300	1.00

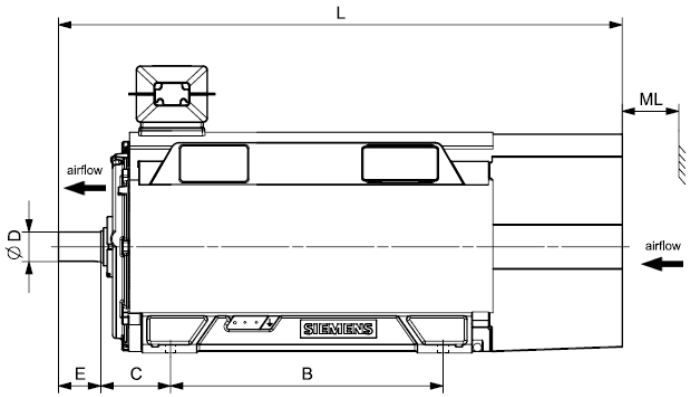
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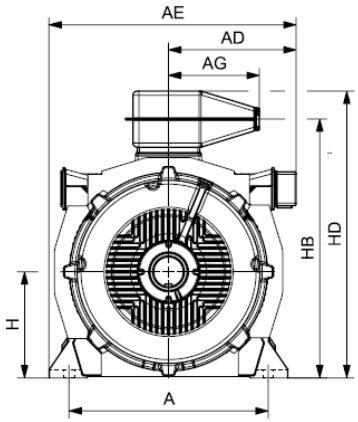
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
800	**1NA1 452-4AA80-0A.0**	1490	58	95.8	96.3	96.5	96.2	0.83	0.83	0.81	0.74	5127	2.30	1.10	5.2	20	350	1.00
770	**1NA1 452-4AA80-0C.0**	1491	55	95.9	96.3	96.4	96.0	0.85	0.84	0.82	0.74	4932	2.60	0.75	5.9	25	350	1.00
900	**1NA1 454-4AA80-0A.0**	1490	65	96.0	96.5	96.7	96.4	0.83	0.83	0.81	0.75	5768	2.30	1.10	5.2	22	400	1.00
900	**1NA1 454-4AA80-0C.0**	1491	63	96.1	96.5	96.7	96.3	0.85	0.85	0.82	0.76	5764	2.50	0.75	5.7	28	450	1.00
960	**1NA1 456-4AA80-0A.0**	1491	69	96.3	96.6	96.8	96.4	0.84	0.83	0.80	0.72	6148	2.65	1.30	6.0	25	550	1.00
1000	**1NA1 456-4AA80-0C.0**	1492	70	96.3	96.7	96.8	96.4	0.86	0.85	0.82	0.74	6400	2.75	0.80	6.4	32	550	1.00
1020	**1NA1 458-4AA80-0A.0**	1492	72	96.4	96.7	96.8	96.4	0.84	0.84	0.80	0.72	6528	2.75	1.35	6.2	28	650	1.00
1040	**1NA1 458-4AA80-0C.0**	1493	73	96.5	96.8	96.8	96.4	0.86	0.85	0.82	0.73	6652	2.95	0.85	6.8	35	650	1.00
1350	**1NA1 504-4AA80-0C.0**	1492	95	96.5	96.7	96.7	96.2	0.84	0.85	0.83	0.76	8640	2.50	0.70	6.2	42	850	1.00
1350	**1NA1 504-4AA80-0A.0**	1491	97	96.4	96.6	96.7	96.2	0.83	0.83	0.81	0.74	8646	2.40	0.95	5.5	33	300	1.00
1500	**1NA1 506-4AA80-0C.0**	1493	104	96.6	96.8	96.8	96.4	0.86	0.86	0.83	0.76	9594	2.75	0.80	6.7	48	1050	1.00
1450	**1NA1 506-4AA80-0A.0**	1492	104	96.5	96.7	96.7	96.3	0.84	0.84	0.81	0.74	9280	2.70	1.10	6.2	38	400	1.00
1620	**1NA1 508-4AA80-0A.0**	1492	114	96.6	96.8	96.9	96.5	0.85	0.85	0.83	0.77	10369	2.55	1.05	5.8	43	450	1.00
1670	**1NA1 508-4AA80-0C.0**	1493	114	96.7	96.9	97.0	96.6	0.86	0.87	0.85	0.78	10681	2.65	0.75	6.4	55	1100	1.00
1800	**1NA1 562-4AA80-0C.0**	1492	124	96.7	96.9	96.9	96.4	0.85	0.87	0.85	0.80	11521	2.25	0.70	5.7	72	850	1.00
1800	**1NA1 562-4AA80-0A.0**	1492	126	96.6	96.8	96.8	96.3	0.83	0.85	0.83	0.78	11521	2.15	0.90	5.3	55	450	0.90
2000	**1NA1 564-4AA80-0A.0**	1493	140	96.8	97.0	97.0	96.5	0.83	0.85	0.83	0.78	12792	2.15	0.90	5.4	60	450	0.90
2020	**1NA1 564-4AA80-0C.0**	1492	140	96.9	97.1	97.1	96.7	0.85	0.86	0.85	0.80	12929	2.20	0.65	5.6	79	950	1.00
2150	**1NA1 566-4AA80-0A.0**	1493	148	97.0	97.2	97.1	96.6	0.85	0.86	0.84	0.78	13751	2.35	1.00	5.8	67	550	1.00
2200	**1NA1 566-4AA80-0C.0**	1493	150	97.0	97.2	97.2	96.8	0.86	0.87	0.86	0.80	14071	2.40	0.70	6.0	88	1200	1.00
2260	**1NA1 568-4AA80-0A.0**	1494	156	97.1	97.3	97.2	96.6	0.86	0.86	0.84	0.76	14445	2.65	1.15	6.4	74	700	1.00
2310	**1NA1 568-4AA80-0C.0**	1494	156	97.2	97.4	97.3	96.8	0.87	0.88	0.86	0.79	14765	2.70	0.85	6.8	97	1700	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																		
430	**1NA1 404-6AA80-0AA0**	992	32	94.9	95.5	95.9	95.6	0.81	0.80	0.77	0.68	4139	2.55	0.95	5.5	12	550	1.00
420	**1NA1 404-6AA80-0CA0**	992	32	94.8	95.4	95.7	95.4	0.81	0.80	0.77	0.68	4043	2.25	0.75	4.5	15	450	1.00
500	**1NA1 406-6AA80-0AA0**	991	37	95.2	95.8	96.2	95.9	0.81	0.81	0.78	0.70	4818	2.45	0.95	5.4	13	700	1.00
500	**1NA1 406-6AA80-0CA0**	991	37	95.0	95.7	96.1	95.8	0.81	0.81	0.78	0.71	4818	2.15	0.70	4.3	17	550	1.00
530	**1NA1 408-6AA80-0CA0**	992	40	95.3	95.8	96.1	95.8	0.82	0.81	0.78	0.69	5102	2.30	0.75	4.6	19	650	1.00
550	**1NA1 408-6AA80-0AA0**	993	42	95.5	95.9	96.2	95.8	0.82	0.80	0.76	0.66	5289	2.85	1.15	6.0	15	750	1.00
630	**1NA1 454-6AA80-0A.0**	993	47	95.5	96.0	96.1	95.8	0.81	0.81	0.78	0.71	6058	2.40	1.15	5.8	32	800	1.00
630	**1NA1 454-6AA80-0C.0**	994	46	95.7	96.1	96.2	95.8	0.84	0.83	0.80	0.72	6052	2.60	0.80	5.6	41	700	1.00
710	**1NA1 456-6AA80-0A.0**	994	53	95.8	96.2	96.3	95.9	0.81	0.81	0.78	0.70	6821	2.55	1.20	6.2	37	1300	1.00
710	**1NA1 456-6AA80-0C.0**	994	51	96.0	96.3	96.3	95.9	0.84	0.83	0.79	0.71	6821	2.80	0.85	6.0	47	1050	1.00
800	**1NA1 458-6AA80-0A.0**	994	59	96.1	96.4	96.4	96.0	0.82	0.81	0.78	0.69	7686	2.70	1.30	6.6	44	1750	1.00
810	**1NA1 458-6AA80-0C.0**	994	58	96.2	96.4	96.4	96.0	0.85	0.83	0.79	0.70	7782	2.95	0.90	6.2	56	1350	1.00
1000	**1NA1 502-6AA80-0C.0**	995	70	96.1	96.5	96.7	96.4	0.87	0.86	0.83	0.76	9597	2.55	0.75	6.2	68	900	1.00
930	**1NA1 502-6AA80-0A.0**	994	68	95.9	96.3	96.6	96.4	0.82	0.82	0.80	0.73	8934	2.30	1.30	6.0	53	1100	1.00

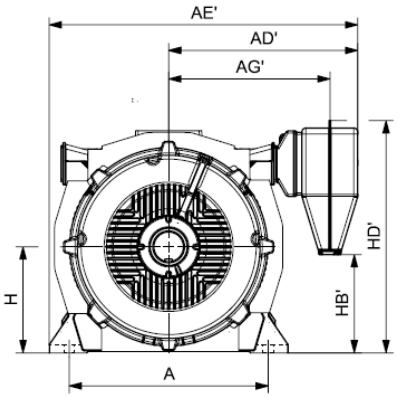
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SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
1000	**1NA1 504-6AA80-0A.0**	994	73	96.0	96.5	96.7	96.5	0.83	0.82	0.80	0.74	9607	2.35	1.35	6.1	60	1450	1.00
1120	**1NA1 504-6AA80-0C.0**	995	78	96.2	96.6	96.8	96.6	0.87	0.86	0.84	0.78	10749	2.50	0.70	6.1	76	950	1.00
1120	**1NA1 506-6AA80-0A.0**	994	81	96.2	96.6	96.8	96.6	0.83	0.83	0.81	0.74	10760	2.40	1.40	6.2	68	1450	1.00
1150	**1NA1 506-6AA80-0C.0**	996	80	96.4	96.7	96.9	96.6	0.87	0.86	0.84	0.76	11026	2.75	0.80	6.8	86	1250	1.00
1250	**1NA1 508-6AA80-0A.0**	994	90	96.4	96.7	96.9	96.7	0.84	0.83	0.81	0.74	12009	2.50	1.45	6.4	77	1600	1.00
1300	**1NA1 508-6AA80-0C.0**	996	90	96.6	96.9	97.0	96.7	0.87	0.86	0.84	0.76	12464	2.85	0.85	7.0	97	1450	1.00
1650	**1NA1 564-6AA80-0C.0**	995	112	96.7	97.1	97.2	97.0	0.87	0.88	0.86	0.82	15836	2.55	0.55	5.2	137	2250	0.95
1800	**1NA1 566-6AA80-0C.0**	995	122	96.9	97.2	97.3	97.1	0.87	0.87	0.86	0.81	17275	2.65	0.55	5.5	152	2500	1.00
2000	**1NA1 568-6AA80-0C.0**	996	136	97.1	97.3	97.4	97.0	0.87	0.87	0.84	0.78	19175	3.05	0.65	6.3	167	3000	1.00
8-pole: n_{sync} = 750 rpm at 50 Hz																		
300	**1NA1 404-8AA80-0AA0**	740	24	93.6	94.4	94.8	94.5	0.78	0.77	0.73	0.62	3871	2.35	0.75	4.3	12	650	1.00
300	**1NA1 404-8AA80-0CA0**	743	24	94.0	94.7	94.9	94.4	0.77	0.76	0.71	0.60	3856	1.95	0.60	3.6	15	650	0.85
320	**1NA1 406-8AA80-0AA0**	740	25	93.9	94.7	94.9	94.6	0.79	0.78	0.73	0.62	4129	2.45	0.75	4.5	14	850	1.00
330	**1NA1 406-8AA80-0CA0**	743	26	94.3	94.9	95.1	94.6	0.78	0.76	0.71	0.61	4241	1.95	0.60	3.6	17	700	0.85
350	**1NA1 408-8AA80-0AA0**	740	28	94.2	94.8	95.1	94.7	0.80	0.78	0.73	0.62	4517	2.50	0.80	4.6	15	1050	1.00
360	**1NA1 408-8AA80-0CA0**	744	28	94.5	95.1	95.2	94.7	0.78	0.77	0.72	0.61	4621	2.00	0.60	3.8	19	800	0.85
500	**1NA1 454-8AA80-0A.0**	743	39	94.3	95.1	95.5	95.2	0.79	0.78	0.76	0.69	6426	2.15	1.00	4.6	32	900	1.00
510	**1NA1 454-8AA80-0C.0**	744	38	94.5	95.2	95.4	95.1	0.82	0.81	0.78	0.70	6546	2.15	0.75	4.2	41	800	1.00
570	**1NA1 456-8AA80-0A.0**	744	44	95.0	95.5	95.7	95.3	0.80	0.78	0.75	0.66	7316	2.45	1.20	5.2	37	1350	1.00
600	**1NA1 456-8AA80-0C.0**	744	46	95.0	95.5	95.7	95.2	0.82	0.80	0.76	0.67	7701	2.35	0.85	4.6	47	1050	1.00
630	**1NA1 458-8AA80-0A.0**	744	48	95.2	95.8	96.0	95.6	0.80	0.79	0.76	0.68	8086	2.40	1.10	5.2	44	1750	1.00
630	**1NA1 458-8AA80-0C.0**	745	48	95.4	95.8	95.9	95.4	0.82	0.80	0.77	0.68	8075	2.45	0.85	4.7	56	1550	1.00
630	**1NA1 502-8AA80-0A.0**	745	48	95.1	95.6	95.6	95.1	0.80	0.79	0.74	0.65	8075	2.50	0.85	6.0	52	1700	1.00
630	**1NA1 502-8AA80-0C.0**	746	46	95.2	95.5	95.3	94.6	0.85	0.82	0.77	0.66	8064	2.90	0.85	6.2	67	1650	1.00
710	**1NA1 504-8AA80-0A.0**	745	54	95.2	95.7	95.8	95.5	0.81	0.80	0.77	0.69	9101	2.35	0.80	5.7	59	1850	1.00
710	**1NA1 504-8AA80-0C.0**	745	51	95.3	95.7	95.6	95.0	0.85	0.84	0.79	0.70	9101	2.70	0.80	5.9	76	1800	1.00
800	**1NA1 506-8AA80-0A.0**	745	61	95.5	95.9	95.8	95.4	0.81	0.79	0.75	0.65	10254	2.75	1.00	6.5	66	2350	1.00
800	**1NA1 506-8AA80-0C.0**	746	59	95.6	95.8	95.6	94.9	0.85	0.82	0.77	0.66	10241	3.15	0.95	6.8	85	2200	1.00
860	**1NA1 508-8AA80-0A.0**	746	65	95.7	96.0	95.9	95.4	0.82	0.80	0.75	0.65	11009	2.80	1.00	6.6	75	2850	1.00
870	**1NA1 508-8AA80-0C.0**	746	63	95.7	95.9	95.7	95.0	0.85	0.83	0.77	0.67	11137	3.15	0.95	6.8	96	2550	1.00
1150	**1NA1 564-8AA80-0C.0**	745	82	96.2	96.6	96.8	96.5	0.85	0.84	0.82	0.75	14741	2.45	0.65	4.9	136	3150	1.00
1210	**1NA1 566-8AA80-0C.0**	746	86	96.4	96.7	96.9	96.6	0.85	0.84	0.82	0.74	15489	2.55	0.65	5.2	152	3750	1.00
1300	**1NA1 568-8AA80-0C.0**	746	93	96.6	96.8	96.9	96.5	0.85	0.83	0.80	0.71	16641	2.85	0.70	5.7	167	4250	1.00

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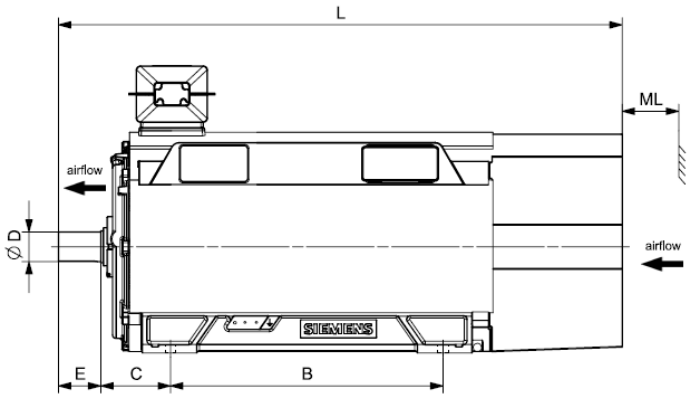


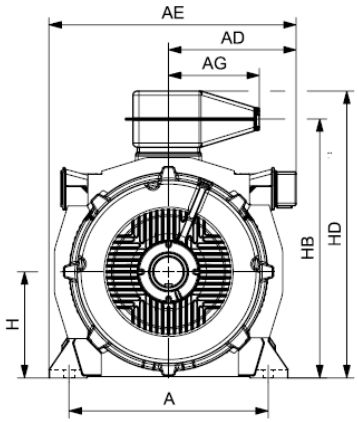


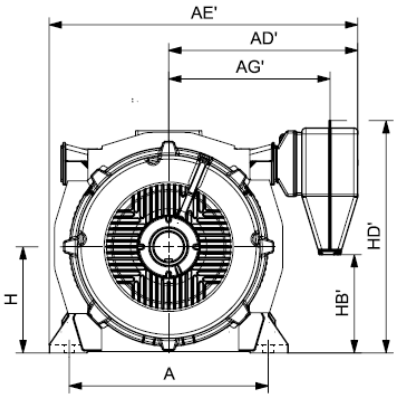


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 354-2AA80-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 356-2AA80-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 358-2AA80-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 402-2AA80-0A.0	3300	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 402-2AA80-0C.0	3400	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 404-2AA80-0A.0	3400	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 404-2AA80-0C.0	3500	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 406-2AA80-0A.0	3600	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 406-2AA80-0C.0	3700	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 408-2AA80-0A.0	3800	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 408-2AA80-0C.0	3900	750	710	955	1160	1405	710	775	1120	254	85	130	400	1093	11	1273	926	2162	160
1NA1 452-2AA80-0C.0	4500	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 452-2AA80-0A.0	4400	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 454-2AA80-0C.0	4800	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 454-2AA80-0A.0	4600	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 456-2AA80-0A.0	4800	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 456-2AA80-0C.0	5000	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 458-2AA80-0A.0	5000	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 458-2AA80-0C.0	5200	850	710	999	1225	1514	710	819	1250	254	95	130	450	1217	97	1397	1012	2286	180
1NA1 504-2AA80-0AC0	6000	950	710	1045	1275	1610	710	865	1320	475	110	165	500	1323	182	1503	1097	2662	200
1NA1 504-2AA80-0C.0	6200	950	710	1045	1275	1610	710	865	1320	280	110	165	500	1323	182	1503	1097	2472	200
1NA1 506-2AA80-0AC0	6400	950	710	1045	1275	1610	710	865	1320	475	110	165	500	1323	182	1503	1097	2662	200

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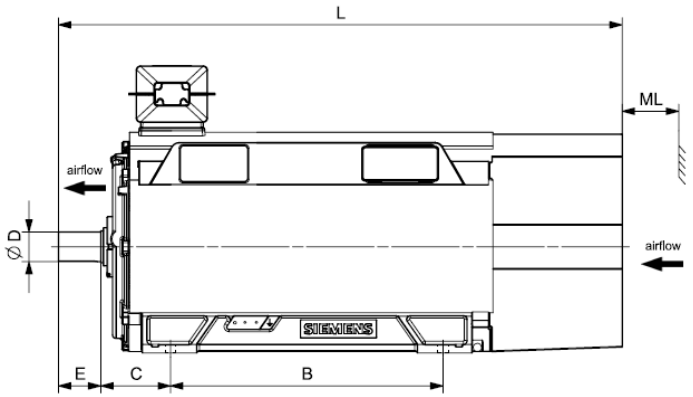


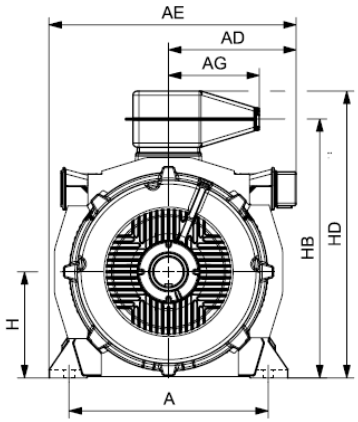


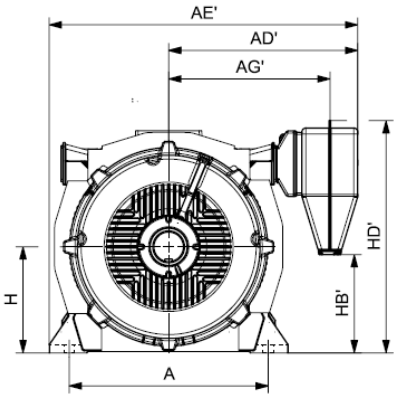


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-2AA80-0C.0	6600	950	710	1045	1275	1610	710	865	1320	280	110	165	500	1323	182	1503	1097	2472	200
1NA1 508-2AA80-0AC0	6700	950	710	1045	1275	1610	710	865	1320	475	110	165	500	1323	182	1503	1097	2662	200
1NA1 508-2AA80-0C.0	6900	950	710	1045	1275	1610	710	865	1320	280	110	165	500	1323	182	1503	1097	2472	200
1NA1 566-2AA80-0C.0	8900	1060	710	1105	1345	1740	710	925	1400	290	120	165	560	1450	288	1630	1203	2642	225
1NA1 568-2AA80-0C.0	9300	1060	710	1105	1345	1740	710	925	1400	290	120	165	560	1450	288	1630	1203	2642	225
4-pole																			
1NA1 356-4AA80-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 357-4AA80-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 404-4AA80-0A.0	3500	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 404-4AA80-0C.0	3600	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 406-4AA80-0A.0	3700	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 406-4AA80-0C.0	3900	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 408-4AA80-0A.0	4000	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 408-4AA80-0C.0	4100	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 452-4AA80-0A.0	4500	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 452-4AA80-0C.0	4600	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 454-4AA80-0A.0	4700	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 454-4AA80-0C.0	4800	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 456-4AA80-0A.0	5000	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 456-4AA80-0C.0	5200	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 458-4AA80-0A.0	5300	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 458-4AA80-0C.0	5500	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 504-4AA80-0C.0	6500	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200

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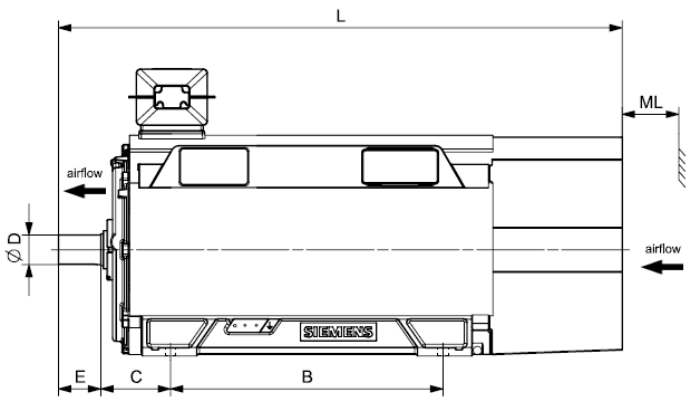


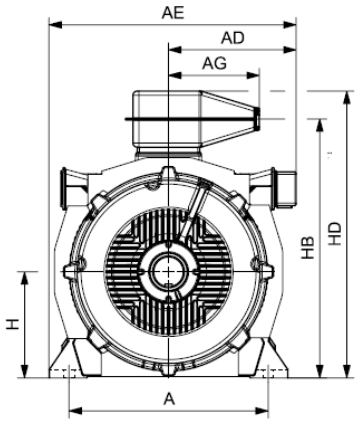


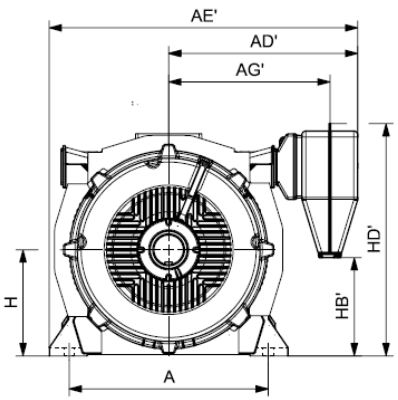


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-4AA80-0A.0	6300	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 506-4AA80-0C.0	6900	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 506-4AA80-0A.0	6600	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 508-4AA80-0A.0	7100	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 508-4AA80-0C.0	7300	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 562-4AA80-0C.0	8200	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 562-4AA80-0A.0	7900	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 564-4AA80-0A.0	8300	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 564-4AA80-0C.0	8700	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 566-4AA80-0A.0	8800	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 566-4AA80-0C.0	9100	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 568-4AA80-0A.0	9200	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 568-4AA80-0C.0	9600	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
6-pole																			
1NA1 404-6AA80-0AA0	3500	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 404-6AA80-0CA0	3600	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 406-6AA80-0AA0	3700	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 406-6AA80-0CA0	3800	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 408-6AA80-0CA0	4100	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 408-6AA80-0AA0	3900	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 454-6AA80-0A.0	4600	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 454-6AA80-0C.0	4800	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 456-6AA80-0A.0	5000	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180

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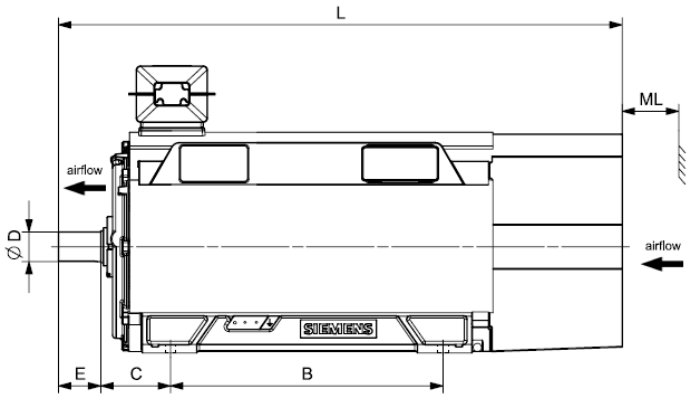


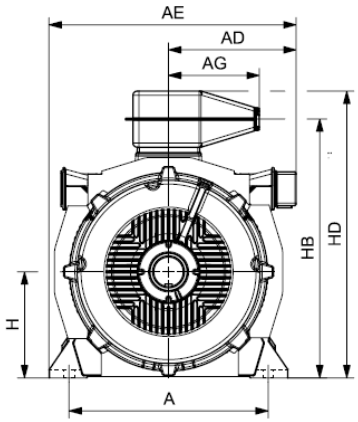


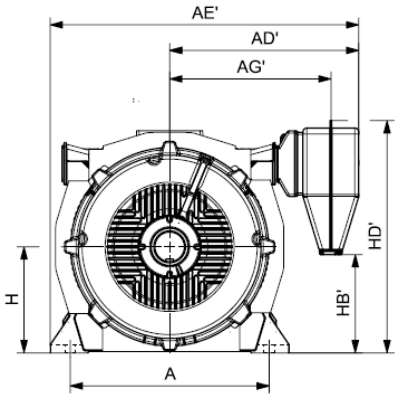


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 456-6AA80-0C.0	5200	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 458-6AA80-0A.0	5400	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 458-6AA80-0C.0	5700	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 502-6AA80-0C.0	6200	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 502-6AA80-0A.0	5900	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 504-6AA80-0A.0	6300	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 504-6AA80-0C.0	6500	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 506-6AA80-0A.0	6700	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 506-6AA80-0C.0	7000	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 508-6AA80-0A.0	7200	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 508-6AA80-0C.0	7500	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
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1NA1 566-6AA80-0C.0	9600	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 568-6AA80-0C.0	10100	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
8-pole																			
1NA1 404-8AA80-0AA0	3400	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 404-8AA80-0CA0	3600	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 406-8AA80-0AA0	3600	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 406-8AA80-0CA0	3800	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 408-8AA80-0AA0	3900	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 408-8AA80-0CA0	4000	750	710	955	1160	1405	710	775	1120	254	110	165	400	1093	11	1273	926	2197	160
1NA1 454-8AA80-0A.0	4600	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 454-8AA80-0C.0	4800	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180

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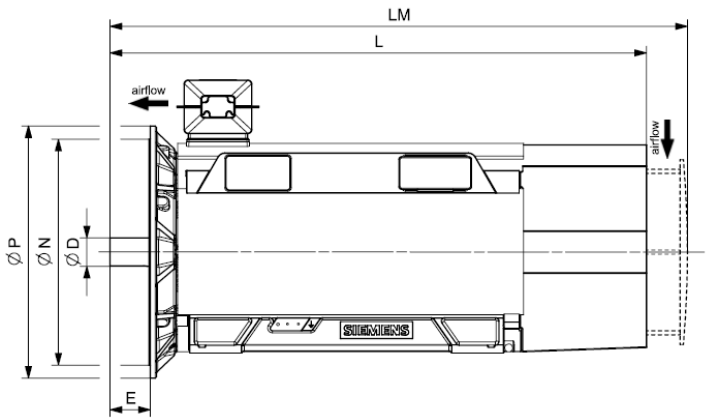


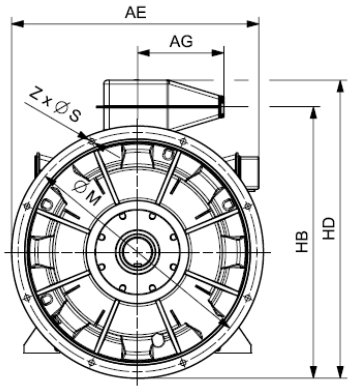




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 456-8AA80-0A.0	4900	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 456-8AA80-0C.0	5100	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 458-8AA80-0A.0	5400	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 458-8AA80-0C.0	5600	850	710	999	1225	1514	710	819	1250	280	120	165	450	1217	97	1397	1012	2457	180
1NA1 502-8AA80-0A.0	5900	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 502-8AA80-0C.0	6100	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 504-8AA80-0A.0	6300	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 504-8AA80-0C.0	6500	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 506-8AA80-0A.0	6700	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 506-8AA80-0C.0	6900	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 508-8AA80-0A.0	7100	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 508-8AA80-0C.0	7400	950	710	1045	1275	1610	710	865	1320	315	140	200	500	1323	182	1503	1097	2672	200
1NA1 564-8AA80-0C.0	8900	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 566-8AA80-0C.0	9500	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225
1NA1 568-8AA80-0C.0	10000	1060	710	1105	1345	1740	710	925	1400	335	160	240	560	1450	288	1630	1203	2847	225

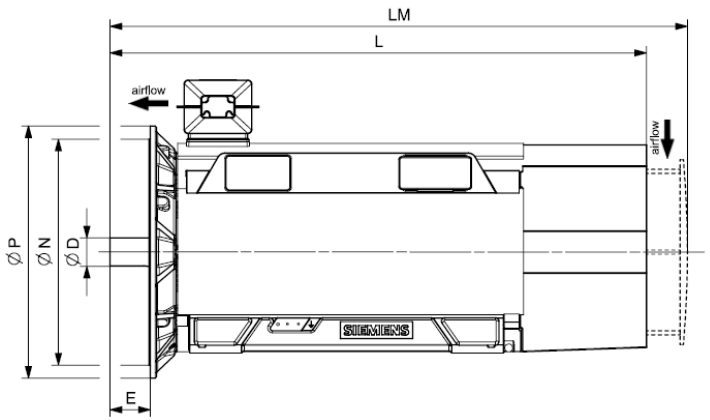
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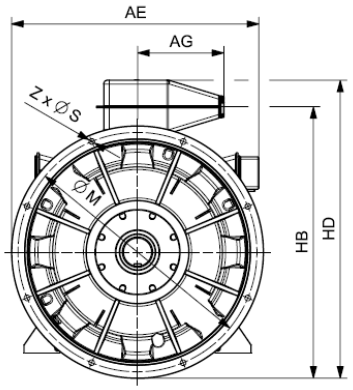




Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NA1 356-4AA84-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 357-4AA84-0AA0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NA1 404-4AA84-0AA0	3600	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 404-4AA84-0CA0	3700	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 406-4AA84-0AA0	3800	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 406-4AA84-0CA0	3900	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 408-4AA84-0AA0	4000	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 408-4AA84-0CA0	4200	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 452-4AA84-0AA0	4600	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 452-4AA84-0CA0	4800	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 454-4AA84-0AA0	4900	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 454-4AA84-0CA0	5000	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 456-4AA84-0AA0	5200	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 456-4AA84-0CA0	5400	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 458-4AA84-0AA0	5500	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 458-4AA84-0CA0	5700	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 504-4AA84-0CA0	6700	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 504-4AA84-0AA0	6500	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 506-4AA84-0CA0	7100	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 506-4AA84-0AA0	6800	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 508-4AA84-0AA0	7300	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 508-4AA84-0CA0	7500	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16

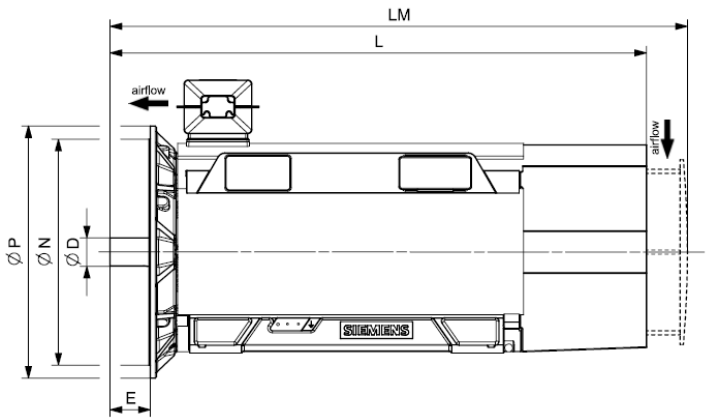
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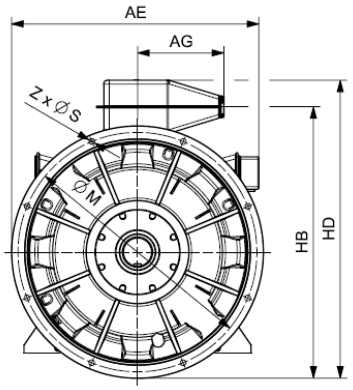




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 562-4AA84-0CA0	8500	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 562-4AA84-0AA0	8200	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 564-4AA84-0AA0	8600	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 564-4AA84-0CA0	9000	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 566-4AA84-0AA0	9100	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 566-4AA84-0CA0	9400	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 568-4AA84-0AA0	9500	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 568-4AA84-0CA0	9900	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AA84-0AA0	3600	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 404-6AA84-0CA0	3700	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 406-6AA84-0AA0	3800	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 406-6AA84-0CA0	3900	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 408-6AA84-0CA0	4200	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 408-6AA84-0AA0	4000	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 454-6AA84-0AA0	4800	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 454-6AA84-0CA0	5000	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 456-6AA84-0AA0	5100	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 456-6AA84-0CA0	5300	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 458-6AA84-0AA0	5600	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 458-6AA84-0CA0	5800	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 502-6AA84-0CA0	6300	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 502-6AA84-0AA0	6100	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16

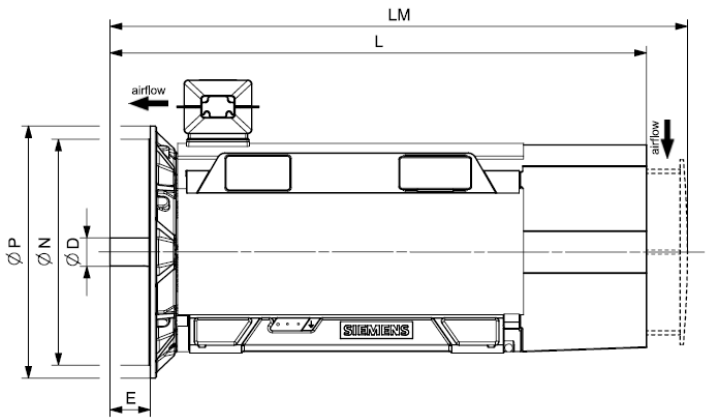
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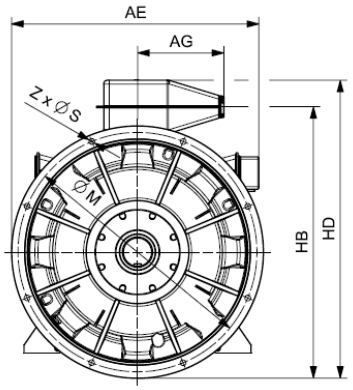




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-6AA84-0AA0	6500	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 504-6AA84-0CA0	6700	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 506-6AA84-0AA0	6900	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 506-6AA84-0CA0	7100	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 508-6AA84-0AA0	7400	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 508-6AA84-0CA0	7700	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 564-6AA84-0CA0	9300	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 566-6AA84-0CA0	9900	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 568-6AA84-0CA0	10400	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AA84-0AA0	3500	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 404-8AA84-0CA0	3600	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 406-8AA84-0AA0	3700	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 406-8AA84-0CA0	3800	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 408-8AA84-0AA0	4000	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 408-8AA84-0CA0	4100	1210	710	110	1193	1373	2197	2347	940	880	1000	22	8
1NA1 454-8AA84-0AA0	4700	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 454-8AA84-0CA0	4900	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 456-8AA84-0AA0	5100	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 456-8AA84-0CA0	5300	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 458-8AA84-0AA0	5600	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 458-8AA84-0CA0	5800	1285	710	120	1342	1522	2457	2657	1080	1000	1150	26	8
1NA1 502-8AA84-0AA0	6100	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 502-8AA84-0CA0	6300	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 504-8AA84-0AA0	6400	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 504-8AA84-0CA0	6700	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 506-8AA84-0AA0	6900	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 506-8AA84-0CA0	7100	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 508-8AA84-0AA0	7300	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 508-8AA84-0CA0	7600	1335	710	140	1448	1628	2672	2872	1180	1120	1250	26	16
1NA1 564-8AA84-0CA0	9200	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 566-8AA84-0CA0	9800	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16
1NA1 568-8AA84-0CA0	10300	1410	710	160	1590	1770	2847	3087	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
660	**1NA1 402-2WA60-0A.0**	2979	76	96.1	96.5	96.7	96.4	0.87	0.87	0.86	0.82	2116	2.55	0.80	5.5	9	65	1.00
670	**1NA1 402-2WA60-0C.0**	2978	75	96.1	96.5	96.7	96.4	0.89	0.89	0.87	0.83	2148	2.75	1.00	6.0	12	150	1.00
750	**1NA1 404-2WA60-0A.0**	2978	85	96.2	96.6	96.8	96.7	0.87	0.88	0.87	0.83	2405	2.50	0.80	5.3	10	65	1.00
750	**1NA1 404-2WA60-0C.0**	2978	84	96.2	96.6	96.8	96.6	0.89	0.89	0.88	0.84	2405	2.70	0.95	6.0	13	150	1.00
850	**1NA1 406-2WA60-0A.0**	2980	96	96.4	96.7	97.0	96.8	0.88	0.88	0.88	0.83	2724	2.75	0.95	5.9	11	85	1.00
850	**1NA1 406-2WA60-0C.0**	2980	95	96.4	96.7	97.0	96.7	0.89	0.89	0.88	0.83	2724	2.70	0.90	6.0	14	145	1.00
870	**1NA1 408-2WA60-0A.0**	2981	96	96.5	96.8	97.0	96.7	0.90	0.90	0.88	0.84	2787	3.05	0.95	6.4	12	95	1.00
870	**1NA1 408-2WA60-0C.0**	2981	96	96.5	96.8	97.0	96.7	0.91	0.90	0.89	0.83	2787	2.95	0.90	6.5	15	150	1.00
1120	**1NA1 454-2WA60-0A.0**	2984	124	96.8	97.2	97.4	97.2	0.88	0.89	0.88	0.84	3584	2.35	1.00	5.7	14	90	0.95
1120	**1NA1 454-2WA60-0C.0**	2980	124	96.6	97.0	97.2	97.0	0.89	0.90	0.89	0.85	3589	2.45	0.85	5.7	18	140	1.00
1250	**1NA1 456-2WA60-0A.0**	2984	138	96.8	97.3	97.5	97.4	0.88	0.89	0.89	0.86	4000	2.35	1.05	5.7	16	80	1.00
1250	**1NA1 456-2WA60-0C.0**	2980	138	96.6	97.1	97.3	97.2	0.90	0.90	0.90	0.86	4006	2.40	0.85	5.7	20	135	1.00
1400	**1NA1 458-2WA60-0A.0**	2986	154	97.0	97.4	97.6	97.4	0.90	0.90	0.89	0.85	4477	2.60	1.05	6.2	17	90	1.00
1380	**1NA1 458-2WA60-0C.0**	2982	150	96.8	97.2	97.4	97.2	0.91	0.91	0.90	0.86	4419	2.65	0.85	6.2	22	150	1.00
1700	**1NA1 504-2WA60-0AJ0**	2982	192	96.9	97.3	97.5	97.4	0.86	0.88	0.88	0.85	5444	2.25	0.70	4.8	23	25	0.75
1750	**1NA1 504-2WA60-0C.0**	2983	192	96.9	97.2	97.4	97.3	0.88	0.90	0.90	0.87	5602	2.40	0.60	5.2	30	100	0.85
1910	**1NA1 506-2WA60-0AJ0**	2981	215	97.0	97.4	97.6	97.6	0.87	0.88	0.89	0.87	6118	2.25	0.70	4.8	26	25	0.75
1960	**1NA1 506-2WA60-0C.0**	2982	215	97.0	97.4	97.6	97.5	0.89	0.90	0.90	0.88	6277	2.40	0.60	5.1	33	105	0.85
2300	**1NA1 508-2WA60-0AJ0**	2984	255	97.3	97.6	97.8	97.7	0.88	0.89	0.89	0.85	7360	2.55	0.85	5.5	28	10	0.80
2350	**1NA1 508-2WA60-0C.0**	2985	255	97.3	97.6	97.7	97.6	0.90	0.90	0.90	0.86	7518	2.70	0.70	5.9	36	115	0.95
2460	**1NA1 566-2WA60-0C.0**	2985	265	97.2	97.5	97.6	97.4	0.89	0.91	0.91	0.90	7870	2.15	0.50	4.8	55	200	0.65
2820	**1NA1 568-2WA60-0C.0**	2986	305	97.3	97.7	97.8	97.6	0.89	0.91	0.92	0.90	9018	2.15	0.50	4.8	60	200	0.65
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
820	**1NA1 404-4WA60-0A.0**	1485	95	95.6	96.2	96.7	96.8	0.85	0.86	0.85	0.81	5273	2.35	0.85	5.0	12	400	1.00
810	**1NA1 404-4WA60-0C.0**	1485	95	95.6	96.3	96.8	96.9	0.84	0.85	0.85	0.81	5209	2.10	0.60	4.3	15	350	1.00
900	**1NA1 406-4WA60-0A.0**	1486	104	95.8	96.4	96.8	96.8	0.86	0.86	0.86	0.82	5784	2.40	0.85	5.2	13	400	1.00
900	**1NA1 406-4WA60-0C.0**	1486	104	95.7	96.4	96.9	97.0	0.85	0.86	0.86	0.82	5784	2.15	0.60	4.4	17	350	1.00
1050	**1NA1 408-4WA60-0A.0**	1488	120	96.0	96.5	96.8	96.8	0.87	0.87	0.85	0.80	6738	2.70	1.00	5.8	15	350	1.00
1050	**1NA1 408-4WA60-0C.0**	1487	122	96.0	96.5	96.9	97.0	0.86	0.86	0.85	0.81	6743	2.35	0.70	4.9	19	450	1.00
1150	**1NA1 454-4WA60-0A.0**	1488	138	96.0	96.6	97.0	96.9	0.82	0.83	0.82	0.77	7380	2.00	0.95	4.5	22	400	0.90
1180	**1NA1 454-4WA60-0C.0**	1488	138	96.2	96.7	97.1	97.0	0.84	0.85	0.84	0.79	7573	2.10	0.60	4.8	28	650	0.95
1320	**1NA1 456-4WA60-0A.0**	1488	156	96.2	96.8	97.2	97.1	0.82	0.84	0.83	0.78	8471	2.00	1.00	4.6	25	350	0.90
1400	**1NA1 456-4WA60-0C.0**	1489	164	96.3	96.9	97.2	97.2	0.84	0.85	0.84	0.80	8979	2.10	0.60	4.8	32	650	0.95
1550	**1NA1 458-4WA60-0A.0**	1488	186	96.4	97.0	97.3	97.2	0.82	0.83	0.82	0.77	9947	2.05	1.00	4.7	28	200	0.90
1600	**1NA1 458-4WA60-0C.0**	1489	186	96.6	97.1	97.4	97.3	0.84	0.85	0.84	0.79	10261	2.15	0.60	5.0	35	700	0.95
1600	**1NA1 504-4WA60-0A.0**	1488	180	96.4	96.8	97.1	97.0	0.87	0.88	0.87	0.82	10268	2.55	0.95	6.0	33	450	1.00

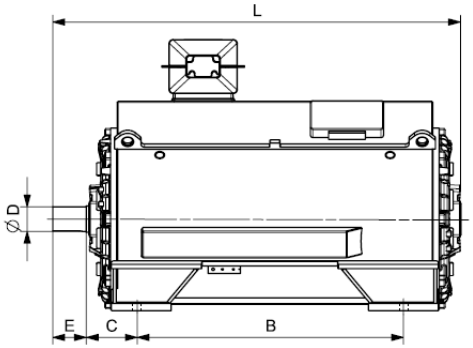
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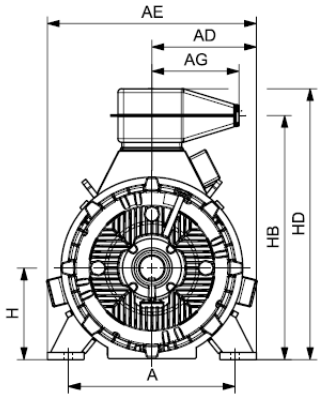
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
1600	**1NA1 504-4WA60-0C.0**	1490	184	96.5	97.0	97.2	97.1	0.84	0.86	0.86	0.81	10254	2.05	0.60	4.9	42	800	0.90
1850	**1NA1 506-4WA60-0C.0**	1490	215	96.7	97.1	97.4	97.3	0.84	0.86	0.86	0.82	11857	2.00	0.60	4.9	48	800	0.90
1840	**1NA1 506-4WA60-0A.0**	1488	205	96.6	97.0	97.3	97.2	0.87	0.88	0.87	0.82	11808	2.50	0.85	6.0	38	400	1.00
2160	**1NA1 508-4WA60-0C.0**	1491	250	96.9	97.3	97.5	97.4	0.85	0.86	0.86	0.81	13834	2.10	0.60	5.1	55	850	0.90
2130	**1NA1 508-4WA60-0A.0**	1489	240	96.8	97.2	97.4	97.3	0.87	0.88	0.87	0.82	13660	2.65	0.90	6.4	43	300	1.00
2370	**1NA1 562-4WA60-0A.0**	1491	270	96.9	97.4	97.6	97.5	0.84	0.87	0.86	0.82	15179	2.05	0.70	5.3	54	750	1.00
2350	**1NA1 562-4WA60-0C.0**	1490	275	96.9	97.4	97.7	97.6	0.82	0.85	0.85	0.82	15061	1.80	0.55	4.5	72	1000	0.80
2700	**1NA1 564-4WA60-0A.0**	1491	305	97.1	97.5	97.7	97.6	0.84	0.87	0.86	0.82	17292	2.10	0.70	5.3	60	600	1.00
2650	**1NA1 564-4WA60-0C.0**	1490	305	97.1	97.6	97.8	97.8	0.82	0.85	0.86	0.82	16984	1.80	0.50	4.6	79	1100	0.75
2950	**1NA1 566-4WA60-0A.0**	1491	330	97.2	97.6	97.8	97.7	0.86	0.88	0.87	0.84	18894	2.15	0.75	5.5	67	550	1.00
2900	**1NA1 566-4WA60-0C.0**	1491	330	97.2	97.7	97.9	97.9	0.84	0.87	0.87	0.83	18573	1.90	0.55	4.8	88	1100	0.85
3320	**1NA1 568-4WA60-0C.0**	1492	375	97.4	97.8	98.0	97.9	0.84	0.87	0.86	0.83	21249	2.00	0.60	5.1	97	1100	0.90
3350	**1NA1 568-4WA60-0A.0**	1492	375	97.4	97.7	97.9	97.8	0.86	0.88	0.87	0.82	21441	2.35	0.80	6.0	73	450	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																		
770	**1NA1 404-6WA60-0AG0**	991	94	95.2	96.0	96.6	96.6	0.81	0.82	0.81	0.75	7420	2.20	1.10	5.2	21	950	1.00
770	**1NA1 404-6WA60-0CG0**	991	94	95.2	95.9	96.5	96.5	0.81	0.82	0.81	0.75	7420	2.00	0.70	4.2	27	700	1.00
860	**1NA1 406-6WA60-0AG0**	991	104	95.3	96.0	96.6	96.7	0.82	0.83	0.82	0.76	8287	2.25	1.10	5.2	24	1050	1.00
860	**1NA1 406-6WA60-0CG0**	991	104	95.3	96.0	96.6	96.5	0.82	0.83	0.82	0.76	8287	2.00	0.70	4.3	31	700	1.00
930	**1NA1 408-6WA60-0AG0**	993	114	95.7	96.2	96.6	96.4	0.83	0.82	0.79	0.70	8943	2.75	1.50	6.4	27	1200	1.00
930	**1NA1 408-6WA60-0CG0**	993	114	95.7	96.2	96.5	96.3	0.83	0.82	0.79	0.70	8943	2.45	0.90	5.1	34	900	1.00
1000	**1NA1 454-6WA60-0A.0**	990	126	95.2	96.1	96.6	96.7	0.78	0.80	0.80	0.76	9646	1.75	0.90	4.2	32	2150	0.85
1000	**1NA1 454-6WA60-0C.0**	990	118	95.5	96.3	96.6	96.7	0.82	0.84	0.83	0.78	9646	1.90	0.60	4.1	41	1550	0.90
1100	**1NA1 456-6WA60-0A.0**	990	136	95.4	96.2	96.7	96.8	0.78	0.81	0.81	0.77	10610	1.75	0.90	4.2	37	2300	0.85
1140	**1NA1 456-6WA60-0C.0**	990	136	95.6	96.3	96.7	96.8	0.82	0.84	0.84	0.80	10996	1.85	0.60	4.0	47	1650	0.85
1250	**1NA1 458-6WA60-0A.0**	991	154	95.6	96.4	96.8	96.9	0.79	0.81	0.81	0.78	12045	1.80	0.85	4.4	44	1900	0.85
1290	**1NA1 458-6WA60-0C.0**	991	154	95.8	96.5	96.8	96.9	0.83	0.84	0.84	0.80	12430	1.90	0.60	4.1	56	1850	0.85
1450	**1NA1 502-6WA60-0A.0**	992	174	95.9	96.6	97.2	97.4	0.82	0.83	0.83	0.79	13958	2.15	0.90	5.9	52	1750	1.00
1500	**1NA1 502-6WA60-0C.0**	993	174	96.1	96.7	97.2	97.4	0.85	0.86	0.85	0.81	14425	1.90	0.55	4.7	68	1600	0.80
1600	**1NA1 504-6WA60-0A.0**	991	190	95.8	96.6	97.2	97.5	0.83	0.84	0.85	0.82	15418	2.00	0.90	5.5	59	1450	1.00
1640	**1NA1 504-6WA60-0C.0**	993	190	96.0	96.8	97.3	97.5	0.85	0.86	0.86	0.83	15771	1.80	0.55	4.4	76	1750	0.75
1850	**1NA1 506-6WA60-0A.0**	992	220	96.2	96.9	97.4	97.6	0.83	0.84	0.84	0.80	17809	2.15	0.90	6.0	66	1200	1.00
1900	**1NA1 506-6WA60-0C.0**	993	220	96.4	97.0	97.5	97.6	0.85	0.86	0.86	0.82	18272	1.95	0.55	4.8	86	2450	0.80
2120	**1NA1 508-6WA60-0C.0**	993	245	96.4	97.1	97.5	97.7	0.85	0.86	0.87	0.84	20387	1.85	0.50	4.5	97	2200	0.70
2050	**1NA1 508-6WA60-0A.0**	991	240	96.2	96.9	97.5	97.7	0.83	0.85	0.85	0.83	19754	2.05	0.85	5.7	75	600	1.00
2300	**1NA1 564-6WA60-0C.0**	994	260	97.0	97.4	97.7	97.6	0.86	0.87	0.87	0.83	22096	2.20	0.45	4.6	137	3150	0.80
2620	**1NA1 566-6WA60-0C.0**	993	300	96.9	97.4	97.7	97.8	0.86	0.87	0.88	0.85	25196	2.10	0.45	4.3	152	2950	0.75
2900	**1NA1 568-6WA60-0C.0**	994	325	97.1	97.5	97.8	97.8	0.86	0.88	0.87	0.84	27860	2.25	0.50	4.7	167	2850	0.85

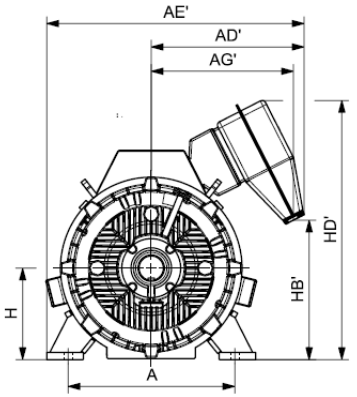
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SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
8-pole: n_{sync} = 750 rpm at 50 Hz																		
570	**1NA1 404-8WA60-0AG0**	739	72	94.1	95.2	95.9	96.2	0.80	0.80	0.79	0.72	7365	1.85	0.80		3.8		22	1500	1.00
580	**1NA1 404-8WA60-0CG0**	741	73	94.2	95.3	95.9	96.0	0.79	0.80	0.78	0.70	7474	1.70	0.65		3.3		27	1500	0.85
620	**1NA1 406-8WA60-0AG0**	739	77	94.1	95.3	96.0	96.2	0.80	0.81	0.80	0.73	8012	1.85	0.80		3.8		25	1550	1.00
630	**1NA1 406-8WA60-0CG0**	741	78	94.3	95.4	96.0	96.1	0.79	0.81	0.79	0.72	8119	1.65	0.65		3.3		31	1650	0.85
710	**1NA1 408-8WA60-0AG0**	739	88	94.4	95.4	96.1	96.3	0.80	0.81	0.80	0.73	9175	1.85	0.80		3.8		27	1300	1.00
750	**1NA1 408-8WA60-0CG0**	742	94	95.2	95.9	96.2	96.1	0.80	0.80	0.76	0.66	9652	1.95	0.75		3.8		34	2050	1.00
800	**1NA1 454-8WA60-0A.0**	741	104	94.8	95.8	96.4	96.5	0.76	0.77	0.76	0.71	10310	1.80	0.85		3.8		32	3250	1.00
800	**1NA1 454-8WA60-0C.0**	742	100	95.0	95.9	96.3	96.3	0.80	0.80	0.78	0.72	10296	1.85	0.65		3.5		41	2600	0.90
900	**1NA1 456-8WA60-0A.0**	741	116	95.0	95.9	96.5	96.6	0.77	0.78	0.77	0.72	11598	1.85	0.90		4.0		37	3050	1.00
900	**1NA1 456-8WA60-0C.0**	742	112	95.2	96.0	96.4	96.4	0.80	0.81	0.79	0.73	11583	1.85	0.65		3.6		47	2700	0.90
1000	**1NA1 458-8WA60-0A.0**	741	128	94.7	95.8	96.4	96.6	0.78	0.79	0.79	0.74	12887	1.75	0.85		3.8		44	2450	0.95
1050	**1NA1 458-8WA60-0C.0**	741	130	94.7	95.8	96.4	96.5	0.79	0.81	0.80	0.76	13531	1.70	0.60		3.3		56	1850	0.80
1150	**1NA1 504-8WA60-0A.0**	742	144	94.7	95.8	96.3	96.5	0.78	0.80	0.79	0.74	14800	1.75	0.65		4.1		59	3550	0.85
1220	**1NA1 504-8WA60-0C.0**	743	146	95.0	95.9	96.2	96.3	0.84	0.84	0.83	0.77	15680	1.85	0.60		4.1		76	3000	0.85
1350	**1NA1 506-8WA60-0A.0**	742	170	95.1	96.0	96.4	96.6	0.79	0.80	0.79	0.74	17374	1.85	0.70		4.4		66	3350	0.90
1400	**1NA1 506-8WA60-0C.0**	743	164	95.4	96.1	96.4	96.4	0.84	0.85	0.83	0.76	17993	2.00	0.65		4.4		85	3100	0.95
1470	**1NA1 508-8WA60-0A.0**	742	182	95.0	96.0	96.5	96.7	0.79	0.81	0.81	0.76	18918	1.75	0.65		4.2		75	2800	0.85
1550	**1NA1 508-8WA60-0C.0**	743	182	95.3	96.1	96.4	96.5	0.84	0.85	0.84	0.78	19921	1.90	0.60		4.2		96	2950	0.85
1800	**1NA1 564-8WA60-0C.0**	742	215	95.9	96.7	97.2	97.4	0.81	0.84	0.85	0.82	23165	1.70	0.45		3.4		136	3950	0.65
2000	**1NA1 566-8WA60-0C.0**	742	235	95.9	96.7	97.3	97.5	0.81	0.84	0.85	0.83	25739	1.70	0.40		3.3		152	3600	0.65
2200	**1NA1 568-8WA60-0C.0**	743	255	96.2	96.9	97.3	97.4	0.83	0.85	0.85	0.81	28275	1.90	0.50		3.8		167	3850	0.75

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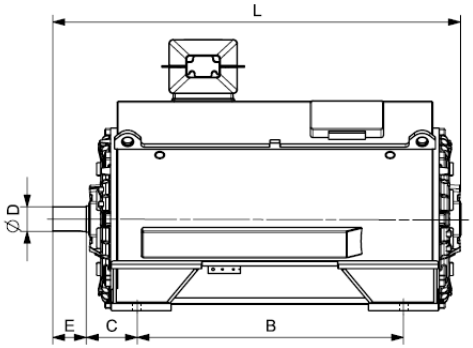


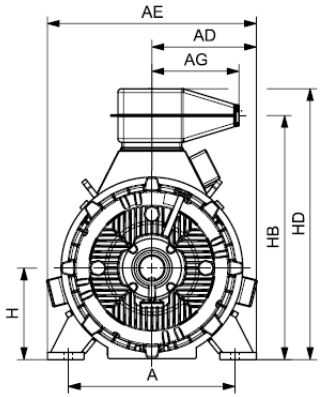


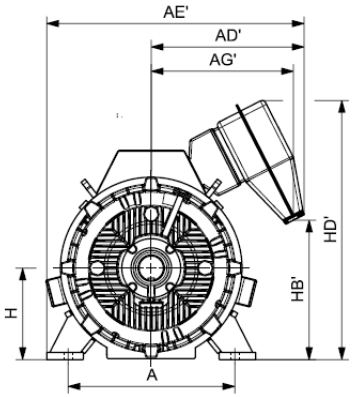


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WA60-0A.0	2600	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 402-2WA60-0C.0	2700	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 404-2WA60-0A.0	2800	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 404-2WA60-0C.0	2900	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 406-2WA60-0A.0	3000	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 406-2WA60-0C.0	3100	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 408-2WA60-0A.0	3100	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 408-2WA60-0C.0	3200	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 454-2WA60-0A.0	3700	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 454-2WA60-0C.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WA60-0A.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WA60-0C.0	4100	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WA60-0A.0	4200	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WA60-0C.0	4300	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 504-2WA60-0AJ0	5000	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 504-2WA60-0C.0	5200	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 506-2WA60-0AJ0	5400	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 506-2WA60-0C.0	5600	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 508-2WA60-0AJ0	5700	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 508-2WA60-0C.0	5900	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 566-2WA60-0C.0	7600	1060	489	777	1124	1412	489	728	1400	290	120	165	560	1462	838	1593	1483	2193	o.r.
1NA1 568-2WA60-0C.0	8100	1060	489	777	1124	1412	489	728	1400	290	120	165	560	1462	838	1593	1483	2193	o.r.
4-pole																			

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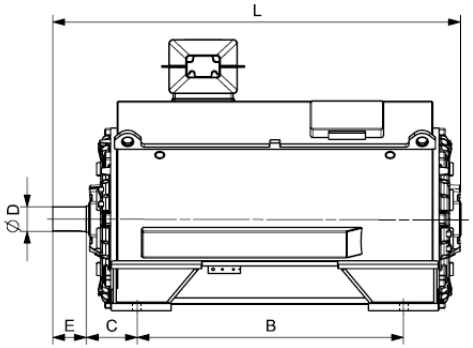


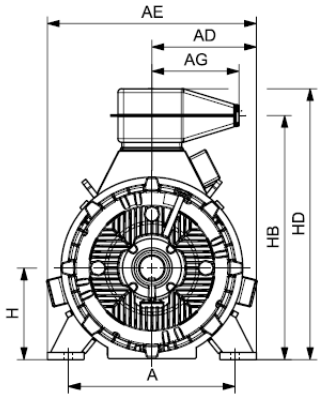


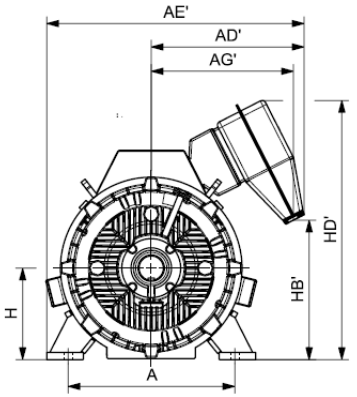


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 404-4WA60-0A.0	2800	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 404-4WA60-0C.0	3000	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-4WA60-0A.0	3000	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-4WA60-0C.0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-4WA60-0A.0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-4WA60-0C.0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 454-4WA60-0A.0	3800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-4WA60-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WA60-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WA60-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WA60-0A.0	4400	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WA60-0C.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-4WA60-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-4WA60-0C.0	5300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WA60-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WA60-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WA60-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WA60-0A.0	6100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 562-4WA60-0A.0	6500	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 562-4WA60-0C.0	6800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WA60-0A.0	7000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WA60-0C.0	7300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WA60-0A.0	7400	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WA60-0C.0	7800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

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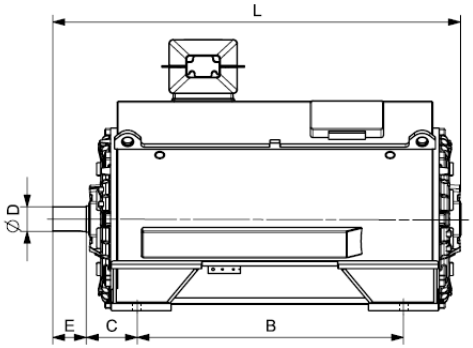


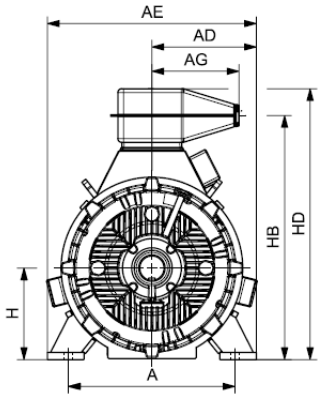


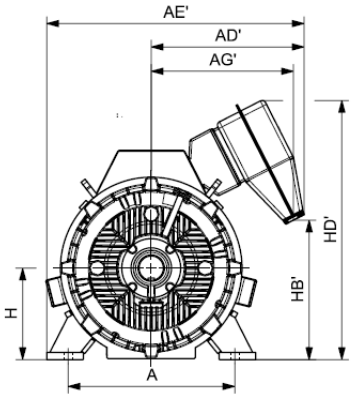


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 568-4WA60-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WA60-0A.0	7900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
6-pole																			
1NA1 404-6WA60-0AG0	3000	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 404-6WA60-0CG0	3100	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-6WA60-0AG0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-6WA60-0CG0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-6WA60-0AG0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-6WA60-0CG0	3600	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 454-6WA60-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-6WA60-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WA60-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WA60-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WA60-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WA60-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 502-6WA60-0A.0	4800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 502-6WA60-0C.0	5000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WA60-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WA60-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WA60-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WA60-0C.0	5900	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WA60-0C.0	6400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WA60-0A.0	6100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-6WA60-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

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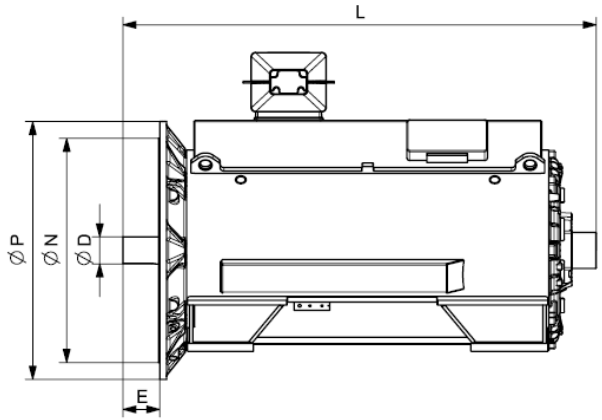


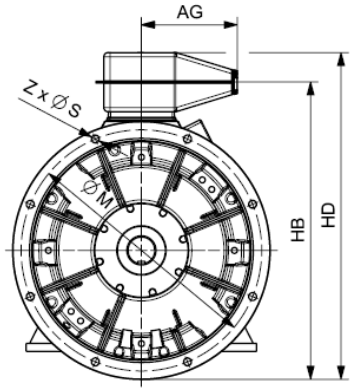




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 566-6WA60-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-6WA60-0C.0	8800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
8-pole																			
1NA1 404-8WA60-0AG0	2900	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 404-8WA60-0CG0	3100	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-8WA60-0AG0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-8WA60-0CG0	3300	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-8WA60-0AG0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-8WA60-0CG0	3600	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 454-8WA60-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-8WA60-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WA60-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WA60-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WA60-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WA60-0C.0	4700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-8WA60-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-8WA60-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WA60-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WA60-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WA60-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WA60-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-8WA60-0C.0	7600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-8WA60-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-8WA60-0C.0	8600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

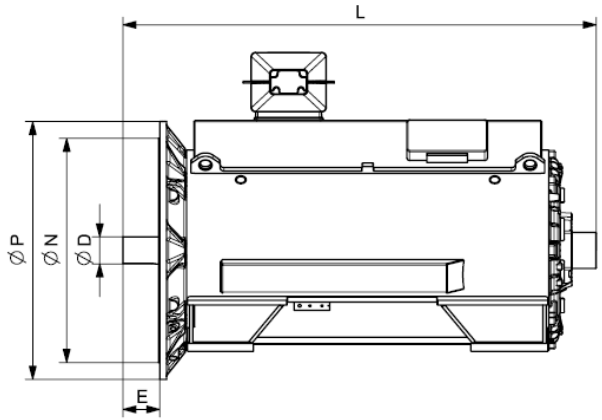
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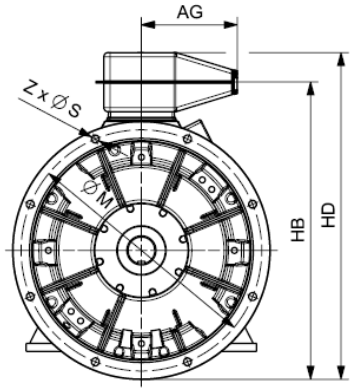




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4WA68-0AG0	2900	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 404-4WA68-0CG0	3000	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-4WA68-0AG0	3100	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-4WA68-0CG0	3200	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-4WA68-0AG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-4WA68-0CG0	3500	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 454-4WA68-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WA68-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WA68-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WA68-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WA68-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WA68-0CG0	4800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WA68-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WA68-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WA68-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WA68-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WA68-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WA68-0AG0	6300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WA68-0AG0	6800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WA68-0CG0	7100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WA68-0AG0	7300	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WA68-0CG0	7600	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

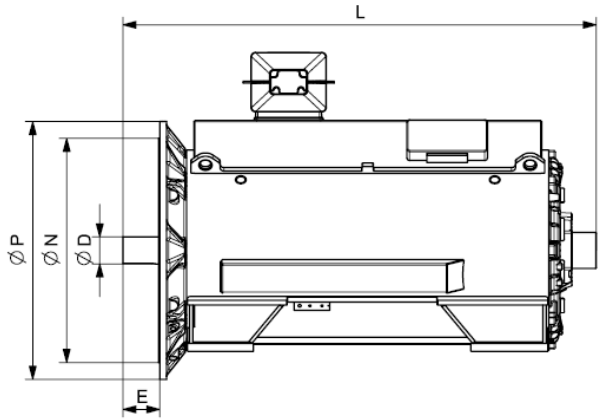
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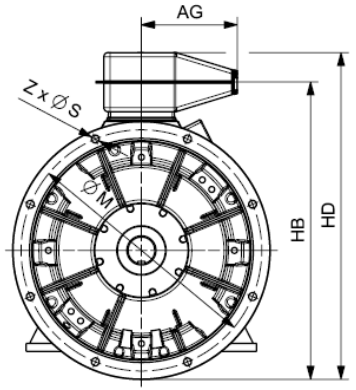




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-4WA68-0AG0	7700	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WA68-0CG0	8100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WA68-0CG0	8600	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WA68-0AG0	8200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 404-6WA68-0AG0	3000	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 404-6WA68-0CG0	3200	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-6WA68-0AG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-6WA68-0CG0	3400	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-6WA68-0AG0	3500	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-6WA68-0CG0	3600	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 454-6WA68-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WA68-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WA68-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WA68-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WA68-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WA68-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WA68-0AG0	5000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WA68-0CG0	5200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WA68-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WA68-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WA68-0AG0	5800	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WA68-0CG0	6100	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16

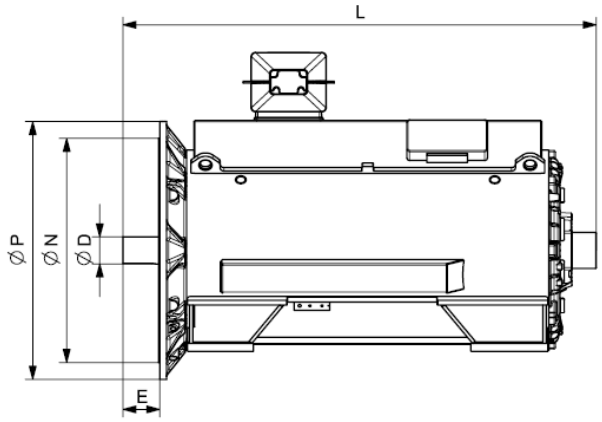
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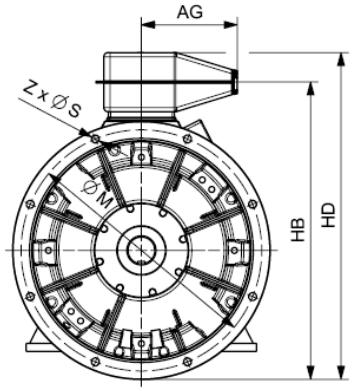




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-6WA68-0CG0	6600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WA68-0AG0	6300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WA68-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WA68-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WA68-0CG0	9100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WA68-0AG0	3000	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 404-8WA68-0CG0	3100	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-8WA68-0AG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-8WA68-0CG0	3400	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-8WA68-0AG0	3500	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-8WA68-0CG0	3600	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 454-8WA68-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WA68-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WA68-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WA68-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WA68-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WA68-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-8WA68-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WA68-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WA68-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WA68-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WA68-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-8WA68-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WA68-0CG0	7900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WA68-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WA68-0CG0	8900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3600 rpm at 60 Hz																		
800	**1NA1 402-2WA10-0A.0**	3579	83	96.2	96.5	96.5	96.1	0.87	0.87	0.86	0.82	2135	2.45	0.80	5.4	9	30	1.00
800	**1NA1 402-2WA10-0C.0**	3576	83	96.1	96.4	96.5	96.1	0.87	0.87	0.86	0.82	2136	2.35	0.65	5.2	11	60	1.00
850	**1NA1 404-2WA10-0A.0**	3579	87	96.3	96.5	96.6	96.2	0.88	0.89	0.88	0.84	2268	2.60	0.80	5.7	10	35	1.00
820	**1NA1 404-2WA10-0C.0**	3577	84	96.2	96.5	96.6	96.1	0.89	0.89	0.88	0.83	2189	2.50	0.65	5.6	12	75	1.00
950	**1NA1 406-2WA10-0A.0**	3579	97	96.4	96.7	96.8	96.4	0.89	0.89	0.88	0.84	2535	2.65	0.90	5.8	11	40	1.00
930	**1NA1 406-2WA10-0C.0**	3577	95	96.4	96.7	96.8	96.4	0.89	0.89	0.89	0.84	2483	2.65	0.75	5.9	14	90	1.00
1010	**1NA1 408-2WA10-0A.0**	3582	102	96.6	96.8	96.8	96.4	0.90	0.89	0.88	0.83	2693	3.00	1.05	6.6	12	50	1.00
1000	**1NA1 408-2WA10-0C.0**	3580	100	96.6	96.8	96.8	96.4	0.90	0.90	0.88	0.83	2667	2.95	0.90	6.7	15	105	1.00
1250	**1NA1 454-2WA10-0AJ0**	3581	130	96.6	97.1	97.3	97.1	0.84	0.87	0.88	0.86	3333	1.90	0.80	4.7	14	45	0.65
1250	**1NA1 454-2WA10-0C.0**	3576	126	96.4	96.9	97.0	96.7	0.87	0.89	0.89	0.87	3338	2.05	0.70	4.8	19	80	0.85
1400	**1NA1 456-2WA10-0AJ0**	3578	144	96.7	97.2	97.4	97.2	0.86	0.88	0.89	0.87	3736	2.00	1.15	4.8	16	0	0.30
1380	**1NA1 456-2WA10-0C.0**	3578	138	96.6	97.0	97.2	96.9	0.89	0.90	0.90	0.87	3683	2.20	0.70	5.2	21	75	1.00
1600	**1NA1 458-2WA10-0AJ0**	3584	162	97.1	97.4	97.5	97.3	0.88	0.89	0.89	0.86	4263	2.30	1.05	5.7	17	35	0.90
1600	**1NA1 458-2WA10-0C.0**	3580	158	96.9	97.3	97.3	97.0	0.90	0.91	0.90	0.87	4268	2.40	0.80	5.7	22	75	1.00
1950	**1NA1 504-2WA10-0CJ0**	3583	198	97.0	97.2	97.3	96.9	0.88	0.89	0.89	0.86	5197	2.45	0.50	5.2	29	75	0.75
2170	**1NA1 506-2WA10-0CJ0**	3582	215	97.1	97.3	97.5	97.2	0.89	0.90	0.91	0.88	5785	2.30	0.50	5.0	33	85	0.70
2500	**1NA1 508-2WA10-0CJ0**	3584	250	97.3	97.5	97.6	97.3	0.89	0.90	0.91	0.88	6661	2.55	0.60	5.5	36	85	0.80
2720	**1NA1 566-2WA10-0CJ0**	3587	270	97.3	97.4	97.4	96.9	0.90	0.91	0.91	0.89	7241	2.50	0.60	5.7	55	150	0.80
3100	**1NA1 568-2WA10-0CJ0**	3585	305	97.3	97.5	97.6	97.2	0.89	0.91	0.92	0.91	8257	2.10	0.45	4.7	59	150	0.55
4-pole: n_{sync} = 1800 rpm at 60 Hz																		
950	**1NA1 404-4WA10-0A.0**	1786	102	95.9	96.4	96.7	96.6	0.85	0.85	0.85	0.81	5079	2.35	0.75	5.1	12	250	1.00
950	**1NA1 404-4WA10-0C.0**	1785	102	95.9	96.5	96.8	96.8	0.83	0.85	0.84	0.81	5082	2.05	0.55	4.3	15	250	0.95
1050	**1NA1 406-4WA10-0A.0**	1786	110	96.1	96.6	96.8	96.7	0.86	0.86	0.85	0.81	5614	2.45	0.80	5.4	13	200	1.00
1050	**1NA1 406-4WA10-0C.0**	1786	112	96.1	96.6	96.9	96.9	0.84	0.85	0.85	0.81	5614	2.15	0.55	4.5	17	250	0.95
1160	**1NA1 408-4WA10-0A.0**	1787	120	96.3	96.7	96.9	96.7	0.86	0.87	0.86	0.81	6199	2.60	0.85	5.8	15	250	1.00
1170	**1NA1 408-4WA10-0C.0**	1787	124	96.3	96.7	97.0	96.9	0.85	0.86	0.85	0.81	6252	2.30	0.60	4.8	19	300	1.00
1350	**1NA1 454-4WA10-0A.0**	1787	146	96.3	96.8	97.0	96.8	0.81	0.83	0.82	0.77	7214	1.95	0.95	4.5	22	200	0.80
1400	**1NA1 454-4WA10-0C.0**	1788	150	96.4	96.9	97.1	96.9	0.83	0.84	0.84	0.79	7477	2.00	0.55	4.7	28	450	0.85
1510	**1NA1 456-4WA10-0A.0**	1788	162	96.6	97.0	97.2	96.9	0.83	0.84	0.83	0.77	8065	2.10	1.05	4.8	25	200	0.90
1600	**1NA1 456-4WA10-0C.0**	1789	170	96.6	97.0	97.2	97.0	0.84	0.85	0.84	0.79	8540	2.15	0.60	5.0	32	500	0.90
1720	**1NA1 458-4WA10-0A.0**	1788	184	96.6	97.1	97.3	97.1	0.83	0.84	0.83	0.78	9186	2.00	1.00	4.6	28	135	0.80
1770	**1NA1 458-4WA10-0C.0**	1789	188	96.7	97.1	97.4	97.1	0.84	0.85	0.85	0.80	9448	2.10	0.60	4.9	35	500	0.85
1850	**1NA1 504-4WA10-0C.0**	1791	196	96.8	97.1	97.1	96.7	0.85	0.85	0.84	0.79	9864	2.25	0.60	5.5	42	550	0.95
1830	**1NA1 504-4WA10-0A.0**	1790	190	96.8	96.9	97.0	96.6	0.87	0.87	0.85	0.78	9763	2.85	0.90	6.9	33	300	1.00
2100	**1NA1 506-4WA10-0A.0**	1792	215	97.0	97.2	97.2	96.8	0.86	0.87	0.85	0.79	11191	2.50	0.70	6.2	48	650	1.00
2150	**1NA1 506-4WA10-0C.0**	1790	220	96.9	97.1	97.2	96.8	0.88	0.88	0.86	0.79	11470	3.10	1.10	7.6	38	200	1.00

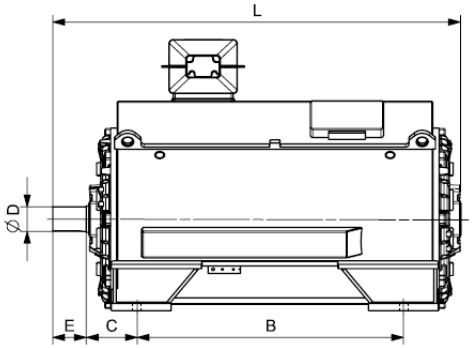
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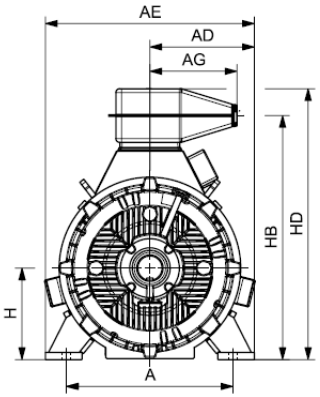
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
2420	**1NA1 508-4WA10-0A.0**	1789	245	97.0	97.2	97.3	97.0	0.88	0.88	0.87	0.82	12917	2.70	0.85	6.6	43	150	1.00
2460	**1NA1 508-4WA10-0C.0**	1791	255	97.1	97.3	97.4	97.1	0.85	0.86	0.86	0.81	13116	2.10	0.55	5.3	55	600	0.85
2700	**1NA1 562-4WA10-0A.0**	1790	280	97.1	97.4	97.5	97.2	0.83	0.86	0.86	0.82	14404	2.00	0.65	5.3	54	450	0.95
2650	**1NA1 562-4WA10-0C.0**	1790	280	97.0	97.5	97.6	97.4	0.81	0.85	0.85	0.82	14137	1.80	0.50	4.6	72	750	0.75
2950	**1NA1 564-4WA10-0A.0**	1791	305	97.3	97.6	97.6	97.3	0.85	0.87	0.86	0.82	15729	2.20	0.70	5.8	60	450	1.00
2900	**1NA1 564-4WA10-0C.0**	1791	300	97.3	97.6	97.7	97.4	0.83	0.86	0.86	0.82	15462	1.90	0.55	5.0	79	800	0.80
3300	**1NA1 566-4WA10-0A.0**	1791	340	97.3	97.6	97.7	97.5	0.84	0.87	0.87	0.84	17595	2.10	0.65	5.5	67	350	1.00
3270	**1NA1 566-4WA10-0C.0**	1791	340	97.3	97.7	97.8	97.6	0.82	0.86	0.86	0.83	17435	1.80	0.50	4.7	88	800	0.75
3700	**1NA1 568-4WA10-0A.0**	1792	370	97.5	97.8	97.8	97.5	0.87	0.89	0.88	0.83	19717	2.35	0.80	6.1	73	300	1.00
3670	**1NA1 568-4WA10-0C.0**	1792	375	97.5	97.8	97.9	97.7	0.85	0.88	0.87	0.83	19557	2.05	0.60	5.2	97	800	0.85
6-pole: n_{sync} = 1200 rpm at 60 Hz																		
860	**1NA1 404-6WA10-0AG0**	1191	95	95.5	96.2	96.7	96.5	0.81	0.82	0.82	0.76	6895	2.20	1.10	5.2	21	600	1.00
860	**1NA1 404-6WA10-0CG0**	1191	94	95.5	96.1	96.6	96.4	0.82	0.83	0.82	0.76	6895	2.00	0.70	4.3	27	500	0.90
950	**1NA1 406-6WA10-0AG0**	1191	104	95.6	96.2	96.7	96.6	0.82	0.83	0.82	0.77	7617	2.20	1.10	5.2	24	650	1.00
950	**1NA1 406-6WA10-0CG0**	1191	104	95.6	96.2	96.6	96.5	0.82	0.83	0.82	0.77	7617	2.00	0.70	4.3	31	500	0.90
1050	**1NA1 408-6WA10-0AG0**	1192	114	95.8	96.4	96.7	96.6	0.83	0.84	0.82	0.75	8412	2.40	1.20	5.7	27	750	1.00
1050	**1NA1 408-6WA10-0CG0**	1192	114	95.8	96.3	96.7	96.4	0.83	0.84	0.82	0.75	8412	2.20	0.75	4.6	34	500	1.00
1120	**1NA1 454-6WA10-0A.0**	1190	128	95.7	96.4	96.7	96.6	0.77	0.80	0.79	0.75	8988	1.80	0.85	4.5	32	1450	0.85
1120	**1NA1 454-6WA10-0C.0**	1191	122	96.0	96.5	96.8	96.6	0.82	0.83	0.82	0.77	8980	1.95	0.55	4.3	41	1250	0.85
1290	**1NA1 456-6WA10-0A.0**	1190	146	95.8	96.5	96.8	96.7	0.78	0.80	0.81	0.77	10352	1.80	0.85	4.5	37	1200	0.85
1330	**1NA1 456-6WA10-0C.0**	1191	144	96.0	96.6	96.9	96.8	0.82	0.84	0.83	0.79	10664	1.90	0.55	4.1	47	1250	0.80
1470	**1NA1 458-6WA10-0A.0**	1191	164	96.0	96.7	96.9	96.8	0.79	0.81	0.81	0.78	11786	1.80	0.85	4.5	44	1100	0.80
1510	**1NA1 458-6WA10-0C.0**	1191	162	96.2	96.7	97.0	96.9	0.83	0.84	0.84	0.79	12107	1.95	0.55	4.2	56	1350	0.80
1650	**1NA1 502-6WA10-0A.0**	1191	180	96.2	96.8	97.3	97.5	0.81	0.83	0.84	0.81	13230	1.95	0.80	5.6	52	1200	1.00
1720	**1NA1 502-6WA10-0C.0**	1192	180	96.3	96.9	97.4	97.5	0.84	0.86	0.86	0.83	13779	1.80	0.50	4.4	68	1350	0.70
1850	**1NA1 504-6WA10-0A.0**	1192	198	96.4	97.0	97.4	97.5	0.83	0.84	0.84	0.81	14821	2.10	0.90	6.0	59	1050	1.00
1920	**1NA1 504-6WA10-0C.0**	1193	200	96.5	97.1	97.5	97.5	0.85	0.86	0.86	0.83	15369	1.90	0.55	4.7	76	1450	0.75
2050	**1NA1 506-6WA10-0A.0**	1192	215	96.5	97.1	97.5	97.6	0.84	0.85	0.85	0.82	16423	2.15	0.90	6.0	66	850	1.00
2100	**1NA1 506-6WA10-0C.0**	1193	215	96.7	97.2	97.5	97.6	0.85	0.87	0.87	0.83	16809	1.90	0.55	4.7	86	1900	0.70
2400	**1NA1 508-6WA10-0A.0**	1192	255	96.6	97.2	97.6	97.7	0.83	0.85	0.85	0.82	19227	2.10	0.85	5.9	75	350	1.00
2500	**1NA1 508-6WA10-0C.0**	1193	260	96.7	97.3	97.7	97.7	0.85	0.86	0.87	0.84	20011	1.85	0.50	4.6	97	1550	0.70
2620	**1NA1 564-6WA10-0C.0**	1193	270	97.0	97.4	97.7	97.6	0.85	0.87	0.88	0.86	20972	1.95	0.40	4.0	137	2200	0.60
2800	**1NA1 566-6WA10-0C.0**	1194	290	97.3	97.6	97.7	97.5	0.87	0.87	0.87	0.83	22394	2.40	0.50	5.0	152	2500	0.80
3200	**1NA1 568-6WA10-0C.0**	1193	330	97.2	97.6	97.8	97.7	0.86	0.87	0.88	0.85	25614	2.10	0.40	4.4	167	2300	0.65
8-pole: n_{sync} = 900 rpm at 60 Hz																		
700	**1NA1 404-8WA10-0AG0**	887	80	94.4	95.5	96.2	96.4	0.78	0.80	0.79	0.73	7536	1.70	0.70	3.6	22	900	0.95
700	**1NA1 404-8WA10-0CG0**	889	78	94.6	95.6	96.1	96.2	0.80	0.82	0.80	0.73	7519	1.75	0.55	3.3	27	1050	0.80

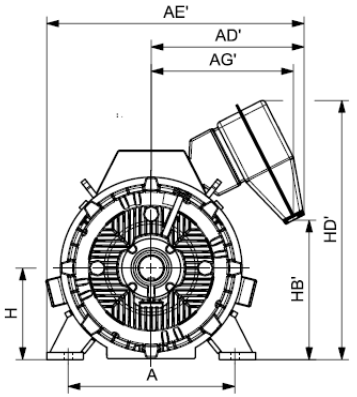
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SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
770	**1NA1 406-8WA10-0AG0**	888	88	94.6	95.7	96.3	96.5	0.78	0.80	0.80	0.74	8280	1.75	0.70	3.7	25	950	0.95
800	**1NA1 406-8WA10-0CG0**	890	89	95.0	95.8	96.2	96.2	0.81	0.82	0.79	0.71	8584	1.90	0.60	3.6	31	1100	0.85
850	**1NA1 408-8WA10-0AG0**	889	96	95.0	95.9	96.4	96.5	0.80	0.81	0.79	0.73	9130	1.90	0.80	4.0	27	900	1.00
860	**1NA1 408-8WA10-0CG0**	890	96	95.2	96.0	96.3	96.3	0.81	0.82	0.80	0.72	9227	1.90	0.60	3.6	34	1050	0.85
910	**1NA1 454-8WA10-0A.0**	891	106	95.1	96.0	96.5	96.5	0.76	0.78	0.77	0.72	9753	1.75	0.80	3.8	32	2300	0.90
950	**1NA1 454-8WA10-0C.0**	891	108	95.2	96.0	96.4	96.4	0.79	0.80	0.79	0.74	10182	1.70	0.55	3.3	41	1700	0.75
1020	**1NA1 456-8WA10-0A.0**	891	120	95.3	96.1	96.6	96.5	0.77	0.78	0.78	0.73	10932	1.80	0.85	3.9	37	2200	0.90
1040	**1NA1 456-8WA10-0C.0**	892	116	95.4	96.2	96.5	96.4	0.80	0.81	0.80	0.74	11134	1.80	0.60	3.5	47	1900	0.80
1250	**1NA1 458-8WA10-0A.0**	891	144	95.5	96.3	96.7	96.7	0.77	0.79	0.78	0.73	13397	1.80	0.85	4.0	44	1350	0.90
1250	**1NA1 458-8WA10-0C.0**	892	140	95.7	96.4	96.7	96.5	0.80	0.81	0.79	0.74	13382	1.85	0.60	3.6	56	1800	0.80
1350	**1NA1 504-8WA10-0A.0**	892	154	95.3	96.1	96.5	96.5	0.78	0.80	0.79	0.74	14452	1.70	0.60	4.2	59	2850	0.75
1400	**1NA1 504-8WA10-0C.0**	893	152	95.5	96.2	96.4	96.3	0.84	0.84	0.83	0.77	14971	1.90	0.55	4.3	76	2400	0.80
1550	**1NA1 506-8WA10-0A.0**	892	176	95.4	96.3	96.6	96.7	0.78	0.80	0.80	0.75	16594	1.70	0.60	4.2	66	2500	0.75
1600	**1NA1 506-8WA10-0C.0**	893	170	95.7	96.3	96.5	96.4	0.84	0.85	0.83	0.78	17110	1.90	0.55	4.3	85	2500	0.80
1710	**1NA1 508-8WA10-0A.0**	892	194	95.4	96.3	96.7	96.8	0.78	0.80	0.81	0.77	18306	1.65	0.55	4.0	75	1900	0.70
1800	**1NA1 508-8WA10-0C.0**	893	192	95.7	96.4	96.6	96.6	0.83	0.85	0.84	0.80	19248	1.80	0.50	4.1	96	2250	0.75
2000	**1NA1 564-8WA10-0C.0**	892	215	96.2	96.8	97.2	97.2	0.81	0.84	0.85	0.82	21411	1.75	0.40	3.5	136	3000	0.60
2260	**1NA1 566-8WA10-0C.0**	893	240	96.4	96.9	97.3	97.2	0.82	0.85	0.85	0.81	24167	1.85	0.45	3.7	152	3100	0.65
2500	**1NA1 568-8WA10-0C.0**	893	270	96.3	97.0	97.4	97.4	0.81	0.84	0.85	0.83	26734	1.70	0.40	3.5	167	2600	0.60

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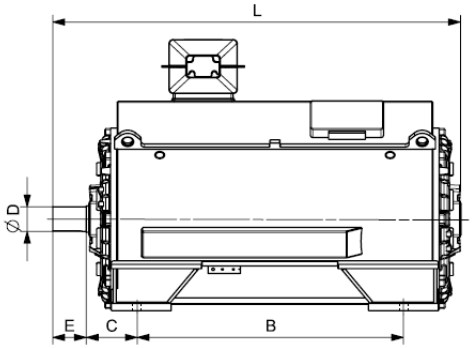


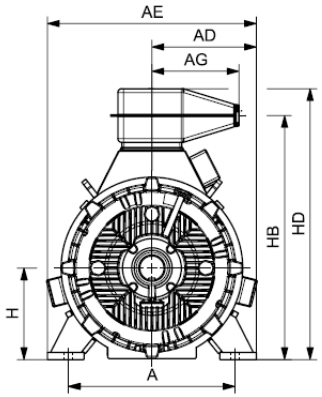


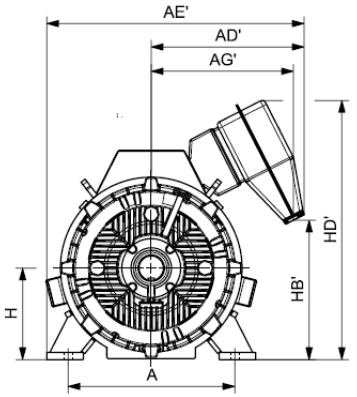


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WA10-0A.0	2600	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 402-2WA10-0C.0	2700	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 404-2WA10-0A.0	2800	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 404-2WA10-0C.0	2900	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 406-2WA10-0A.0	2900	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 406-2WA10-0C.0	3000	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 408-2WA10-0A.0	3100	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 408-2WA10-0C.0	3200	750	489	675	939	1125	489	624	1120	254	85	130	400	1091	479	1222	1135	1700	o.r.
1NA1 454-2WA10-0AJ0	3800	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 454-2WA10-0C.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WA10-0AJ0	4000	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 456-2WA10-0C.0	4100	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WA10-0AJ0	4200	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 458-2WA10-0C.0	4400	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 504-2WA10-0CJ0	5100	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 506-2WA10-0CJ0	5600	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 508-2WA10-0CJ0	5900	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 566-2WA10-0CJ0	7200	1060	489	777	1124	1412	489	728	1400	560	120	165	560	1462	838	1593	1483	2577	o.r.
1NA1 568-2WA10-0CJ0	7700	1060	489	777	1124	1412	489	728	1400	560	120	165	560	1462	838	1593	1483	2577	o.r.
4-pole																			
1NA1 404-4WA10-0A.0	2800	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 404-4WA10-0C.0	3000	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-4WA10-0A.0	3000	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.

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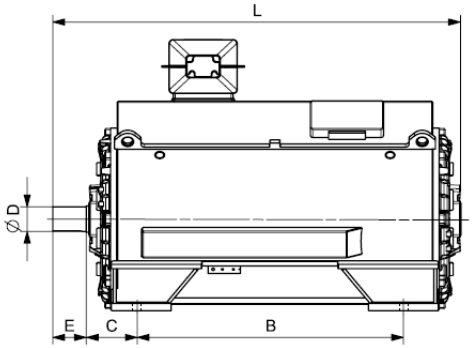


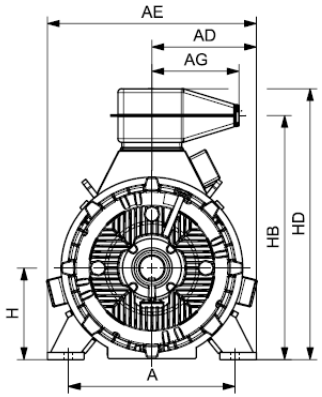


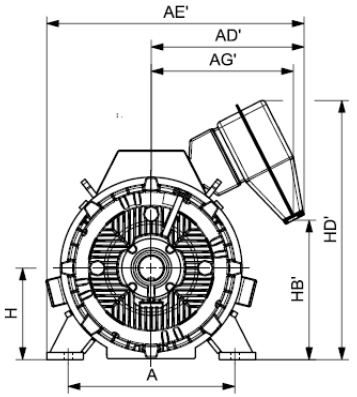


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 406-4WA10-0C.0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-4WA10-0A.0	3300	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-4WA10-0C.0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 454-4WA10-0A.0	3800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-4WA10-0C.0	4000	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WA10-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WA10-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WA10-0A.0	4400	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WA10-0C.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-4WA10-0C.0	5300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-4WA10-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WA10-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WA10-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WA10-0A.0	6100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WA10-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 562-4WA10-0A.0	6500	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 562-4WA10-0C.0	6900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WA10-0A.0	7000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WA10-0C.0	7300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WA10-0A.0	7400	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WA10-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WA10-0A.0	7800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WA10-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
6-pole																			

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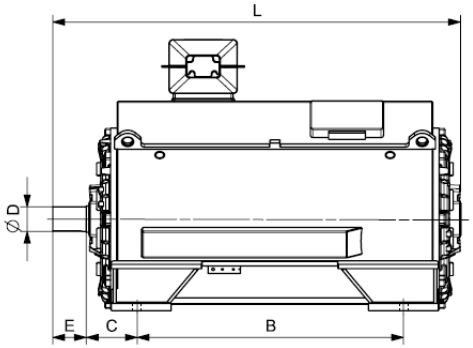


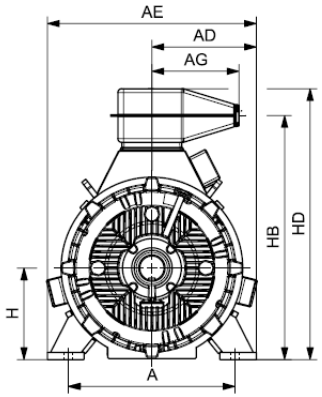


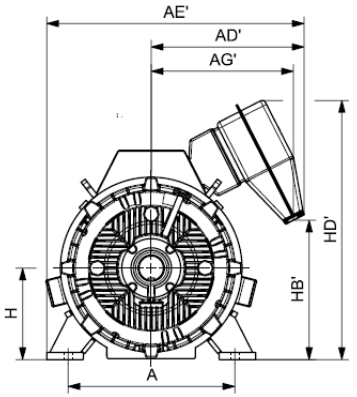


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 404-6WA10-0AG0	2900	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 404-6WA10-0CG0	3100	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-6WA10-0AG0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-6WA10-0CG0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-6WA10-0AG0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-6WA10-0CG0	3600	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 454-6WA10-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-6WA10-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WA10-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WA10-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WA10-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WA10-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 502-6WA10-0A.0	4800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 502-6WA10-0C.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WA10-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WA10-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WA10-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WA10-0C.0	5900	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WA10-0A.0	6100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WA10-0C.0	6400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-6WA10-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-6WA10-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-6WA10-0C.0	8700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
8-pole																			

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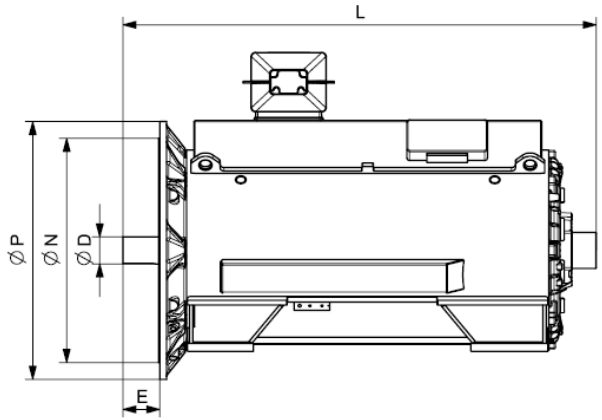


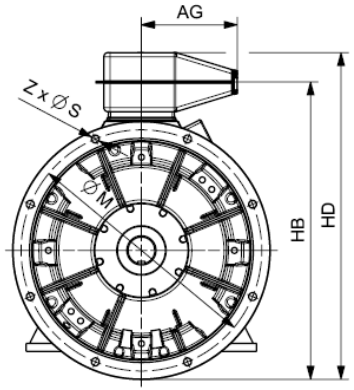




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 404-8WA10-0AG0	2900	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 404-8WA10-0CG0	3100	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-8WA10-0AG0	3200	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 406-8WA10-0CG0	3300	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-8WA10-0AG0	3400	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 408-8WA10-0CG0	3600	750	489	675	939	1125	489	624	1120	254	110	165	400	1091	479	1222	1135	1735	o.r.
1NA1 454-8WA10-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-8WA10-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WA10-0A.0	4000	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WA10-0C.0	4200	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WA10-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WA10-0C.0	4700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-8WA10-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-8WA10-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WA10-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WA10-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WA10-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WA10-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-8WA10-0C.0	7600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-8WA10-0C.0	8100	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-8WA10-0C.0	8600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

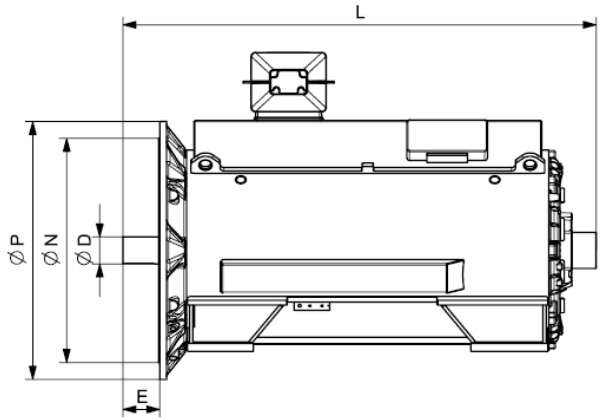
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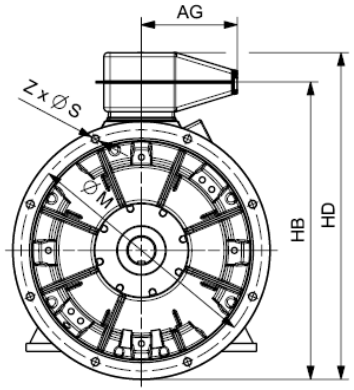




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4WA18-0AG0	2900	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 404-4WA18-0CG0	3100	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-4WA18-0AG0	3100	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-4WA18-0CG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-4WA18-0AG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-4WA18-0CG0	3500	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 454-4WA18-0AG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WA18-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WA18-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WA18-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WA18-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WA18-0CG0	4800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WA18-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WA18-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WA18-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WA18-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WA18-0AG0	6300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WA18-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WA18-0AG0	6800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WA18-0CG0	7200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WA18-0AG0	7300	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WA18-0CG0	7600	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

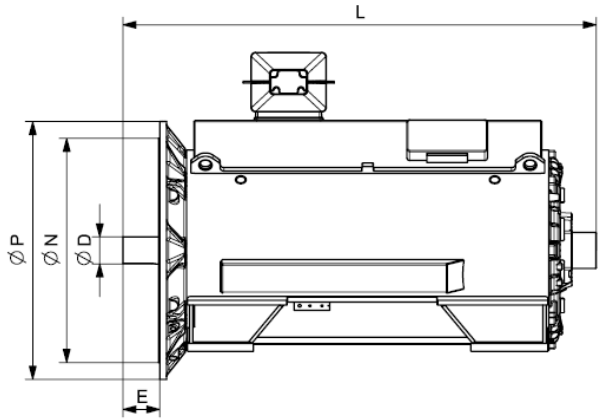
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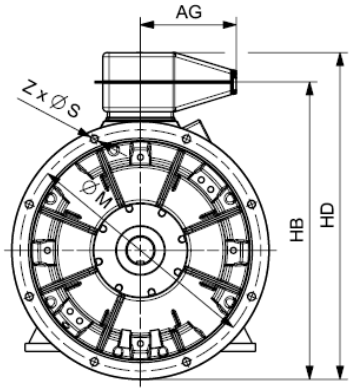




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-4WA18-0AG0	7700	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WA18-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WA18-0AG0	8100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WA18-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 404-6WA18-0AG0	3000	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 404-6WA18-0CG0	3200	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-6WA18-0AG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-6WA18-0CG0	3400	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-6WA18-0AG0	3500	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-6WA18-0CG0	3600	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 454-6WA18-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WA18-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WA18-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WA18-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WA18-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WA18-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WA18-0AG0	5000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WA18-0CG0	5200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WA18-0AG0	5400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WA18-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WA18-0AG0	5800	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WA18-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16

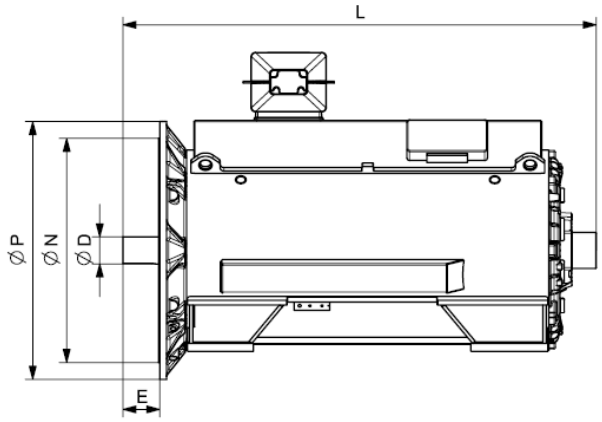
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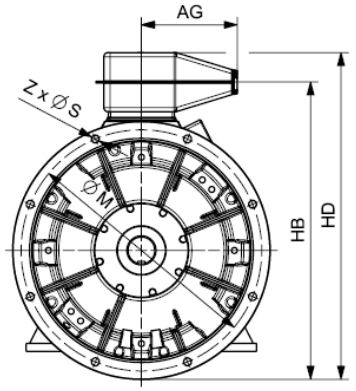




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-6WA18-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WA18-0CG0	6600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WA18-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WA18-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WA18-0CG0	9000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WA18-0AG0	3000	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 404-8WA18-0CG0	3100	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-8WA18-0AG0	3300	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 406-8WA18-0CG0	3400	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-8WA18-0AG0	3500	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 408-8WA18-0CG0	3600	989	489	110	1191	1322	1735	o.r.	940	880	1000	22	8
1NA1 454-8WA18-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WA18-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WA18-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WA18-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WA18-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WA18-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-8WA18-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WA18-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WA18-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WA18-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WA18-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 508-8WA18-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WA18-0CG0	7900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WA18-0CG0	8400	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WA18-0CG0	8900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
540	**1NA1 402-2WA80-0A.0**	2982	38	95.7	96.0	96.2	95.7	0.87	0.86	0.85	0.79	1729	2.75	1.10	5.9		9	60	1.00
530	**1NA1 402-2WA80-0C.0**	2978	36	95.5	95.9	96.1	95.7	0.88	0.88	0.86	0.80	1700	2.80	0.90	6.0		11	80	1.00
590	**1NA1 404-2WA80-0A.0**	2982	40	95.9	96.2	96.4	96.0	0.88	0.87	0.86	0.81	1889	2.70	1.15	5.8		10	80	1.00
590	**1NA1 404-2WA80-0C.0**	2977	40	95.7	96.1	96.3	96.0	0.89	0.88	0.87	0.82	1893	2.75	0.85	5.8		12	90	1.00
710	**1NA1 406-2WA80-0A.0**	2983	48	96.2	96.5	96.6	96.3	0.88	0.88	0.86	0.80	2273	2.90	1.25	6.2		11	100	1.00
710	**1NA1 406-2WA80-0C.0**	2978	48	96.0	96.4	96.6	96.3	0.89	0.89	0.88	0.82	2277	2.90	0.95	6.2		14	115	1.00
770	**1NA1 408-2WA80-0A.0**	2984	52	96.3	96.6	96.7	96.3	0.89	0.88	0.86	0.80	2464	3.05	1.35	6.5		12	85	1.00
750	**1NA1 408-2WA80-0C.0**	2980	50	96.2	96.5	96.7	96.3	0.90	0.89	0.88	0.81	2403	3.10	1.00	6.7		14	140	1.00
920	**1NA1 452-2WA80-0C.0**	2982	62	96.4	96.9	97.0	96.8	0.89	0.89	0.88	0.83	2946	2.60	0.75	6.1		17	130	1.00
900	**1NA1 452-2WA80-0A.0**	2986	61	96.5	96.8	96.9	96.6	0.88	0.88	0.86	0.81	2878	2.50	1.30	6.0		13	150	1.00
1020	**1NA1 454-2WA80-0A.0**	2982	67	96.6	97.0	97.2	97.0	0.90	0.90	0.89	0.85	3266	2.60	0.75	6.0		18	140	1.00
1000	**1NA1 454-2WA80-0C.0**	2986	67	96.6	97.0	97.1	96.8	0.88	0.89	0.88	0.83	3198	2.50	1.30	6.0		14	150	1.00
1120	**1NA1 456-2WA80-0A.0**	2982	73	96.6	97.0	97.3	97.1	0.90	0.91	0.90	0.85	3587	2.65	0.80	6.3		20	150	1.00
1120	**1NA1 456-2WA80-0C.0**	2986	74	96.7	97.0	97.2	96.9	0.89	0.90	0.89	0.85	3582	2.60	1.35	6.2		16	150	1.00
1250	**1NA1 458-2WA80-0A.0**	2987	82	96.9	97.3	97.4	97.2	0.90	0.90	0.89	0.85	3996	2.70	1.20	6.6		17	115	1.00
1230	**1NA1 458-2WA80-0C.0**	2983	80	96.7	97.1	97.2	97.0	0.91	0.91	0.90	0.85	3938	2.80	1.00	6.6		22	150	1.00
1500	**1NA1 504-2WA80-0AJ0**	2982	102	96.7	97.1	97.4	97.2	0.87	0.88	0.89	0.86	4803	2.30	0.65	4.9		23	40	0.80
1530	**1NA1 504-2WA80-0C.0**	2983	102	96.7	97.1	97.3	97.1	0.89	0.90	0.90	0.87	4898	2.50	0.60	5.3		30	125	0.90
1660	**1NA1 506-2WA80-0AJ0**	2983	110	96.8	97.2	97.5	97.4	0.88	0.89	0.89	0.87	5314	2.35	0.70	5.1		26	55	0.80
1700	**1NA1 506-2WA80-0C.0**	2984	110	96.9	97.2	97.4	97.3	0.90	0.91	0.91	0.88	5440	2.55	0.60	5.4		33	145	0.90
1920	**1NA1 508-2WA80-0AJ0**	2983	128	97.0	97.4	97.6	97.5	0.88	0.89	0.89	0.87	6146	2.35	0.75	5.1		28	55	0.80
1970	**1NA1 508-2WA80-0C.0**	2984	128	97.0	97.4	97.6	97.4	0.90	0.91	0.91	0.88	6304	2.55	0.60	5.4		36	150	0.85
2170	**1NA1 566-2WA80-0C.0**	2985	144	96.9	97.3	97.5	97.3	0.89	0.90	0.91	0.90	6942	2.05	0.50	4.5		55	300	0.60
2550	**1NA1 568-2WA80-0C.0**	2985	166	97.2	97.5	97.7	97.5	0.89	0.91	0.92	0.90	8158	2.10	0.50	4.7		60	250	0.60
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
710	**1NA1 404-4WA80-0A.0**	1487	51	95.4	96.0	96.4	96.4	0.84	0.84	0.83	0.76	4560	2.35	1.10	4.9		12	350	1.00
720	**1NA1 404-4WA80-0C.0**	1488	51	95.5	96.1	96.5	96.4	0.85	0.85	0.84	0.78	4621	2.50	0.70	5.2		15	350	1.00
800	**1NA1 406-4WA80-0A.0**	1487	57	95.6	96.2	96.6	96.6	0.84	0.84	0.83	0.77	5137	2.30	1.05	4.8		13	300	1.00
810	**1NA1 406-4WA80-0C.0**	1488	57	95.7	96.3	96.6	96.6	0.85	0.85	0.84	0.78	5198	2.45	0.70	5.1		17	450	1.00
930	**1NA1 408-4WA80-0A.0**	1489	66	95.9	96.4	96.7	96.6	0.84	0.84	0.82	0.75	5964	2.55	1.30	5.4		15	250	1.00
950	**1NA1 408-4WA80-0C.0**	1490	67	95.9	96.4	96.7	96.6	0.85	0.85	0.83	0.76	6088	2.55	0.65	5.2		19	450	1.00
1000	**1NA1 452-4WA80-0A.0**	1487	73	95.6	96.3	96.7	96.7	0.81	0.82	0.82	0.77	6422	1.95	0.95	4.4		20	400	0.85
980	**1NA1 452-4WA80-0C.0**	1489	70	95.8	96.4	96.8	96.7	0.84	0.84	0.83	0.77	6285	2.15	0.60	4.9		25	450	1.00
1050	**1NA1 454-4WA80-0A.0**	1489	76	95.9	96.5	96.8	96.7	0.83	0.83	0.82	0.75	6734	2.15	1.05	4.9		22	500	0.95
1100	**1NA1 454-4WA80-0C.0**	1490	77	96.0	96.6	96.9	96.8	0.85	0.85	0.83	0.77	7050	2.25	0.65	5.2		28	500	1.00
1220	**1NA1 456-4WA80-0A.0**	1490	87	96.2	96.7	97.0	96.8	0.84	0.84	0.82	0.75	7819	2.30	1.15	5.2		25	400	1.00

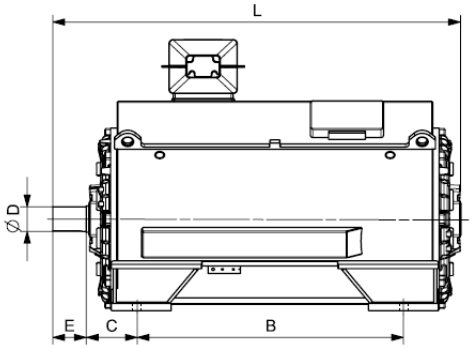
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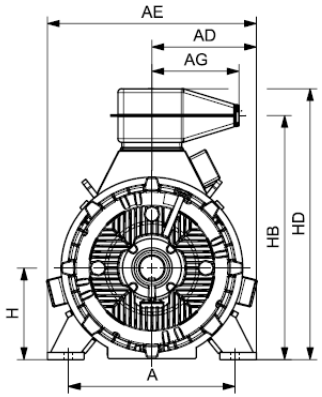
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
1250	**1NA1 456-4WA80-0C.0**	1491	88	96.3	96.8	97.0	96.8	0.86	0.85	0.83	0.77	8006	2.45	0.75		5.6		32	650	1.00
1330	**1NA1 458-4WA80-0A.0**	1489	94	96.2	96.8	97.1	97.0	0.83	0.84	0.83	0.77	8530	2.10	1.05		4.8		28	350	0.95
1400	**1NA1 458-4WA80-0C.0**	1490	97	96.3	96.8	97.2	97.1	0.85	0.86	0.84	0.79	8972	2.20	0.65		5.1		35	700	1.00
1500	**1NA1 504-4WA80-0A.0**	1490	104	96.5	96.8	97.0	96.8	0.86	0.86	0.84	0.77	9613	2.85	0.95		6.9		33	650	1.00
1500	**1NA1 504-4WA80-0C.0**	1492	106	96.6	97.0	97.1	96.9	0.84	0.85	0.84	0.78	9600	2.25	0.65		5.6		42	900	1.00
1650	**1NA1 506-4WA80-0A.0**	1491	112	96.7	97.0	97.1	96.9	0.87	0.87	0.85	0.77	10568	3.15	1.10		7.6		38	600	1.00
1650	**1NA1 506-4WA80-0C.0**	1492	114	96.8	97.1	97.2	97.0	0.85	0.86	0.84	0.78	10561	2.50	0.70		6.1		48	1150	1.00
1900	**1NA1 508-4WA80-0A.0**	1490	128	96.7	97.0	97.2	97.1	0.88	0.88	0.87	0.81	12177	2.90	1.00		7.0		43	450	1.00
1900	**1NA1 508-4WA80-0C.0**	1492	130	96.8	97.1	97.3	97.2	0.86	0.87	0.86	0.80	12161	2.30	0.65		5.6		55	1000	1.00
2120	**1NA1 562-4WA80-0A.0**	1491	144	96.9	97.3	97.5	97.3	0.85	0.87	0.86	0.82	13578	2.20	0.75		5.7		54	1100	1.00
2100	**1NA1 562-4WA80-0C.0**	1491	144	96.8	97.3	97.6	97.5	0.83	0.86	0.86	0.82	13450	1.95	0.60		4.9		72	1100	0.90
2450	**1NA1 564-4WA80-0A.0**	1491	166	97.0	97.4	97.6	97.5	0.85	0.87	0.86	0.82	15691	2.15	0.70		5.5		60	850	1.00
2410	**1NA1 564-4WA80-0C.0**	1491	166	96.9	97.4	97.7	97.6	0.82	0.86	0.86	0.82	15435	1.85	0.55		4.7		79	1200	0.80
2700	**1NA1 566-4WA80-0A.0**	1492	182	97.1	97.5	97.7	97.6	0.86	0.88	0.87	0.83	17281	2.25	0.80		5.8		67	750	1.00
2660	**1NA1 566-4WA80-0C.0**	1491	180	97.1	97.6	97.8	97.7	0.84	0.87	0.87	0.83	17036	2.00	0.60		5.0		88	1200	0.90
2950	**1NA1 568-4WA80-0A.0**	1492	196	97.3	97.6	97.8	97.6	0.87	0.89	0.87	0.83	18881	2.45	0.90		6.3		73	750	1.00
2950	**1NA1 568-4WA80-0C.0**	1492	198	97.3	97.7	97.9	97.8	0.86	0.88	0.87	0.83	18881	2.15	0.65		5.4		97	1300	0.95
6-pole: n_{sync} = 1000 rpm at 50 Hz																				
530	**1NA1 404-6WA80-0AG0**	989	40	94.3	95.2	96.0	96.1	0.80	0.81	0.79	0.73	5117	2.05	0.80		4.5		12	550	1.00
530	**1NA1 404-6WA80-0CG0**	989	40	94.0	95.1	95.8	95.9	0.79	0.81	0.80	0.74	5117	1.80	0.60		3.6		15	450	0.85
630	**1NA1 406-6WA80-0AG0**	989	47	94.5	95.5	96.3	96.4	0.80	0.81	0.80	0.75	6083	1.95	0.75		4.3		13	700	1.00
630	**1NA1 406-6WA80-0CG0**	990	47	94.6	95.5	96.1	96.1	0.80	0.81	0.79	0.73	6077	1.90	0.60		3.7		17	650	0.85
680	**1NA1 408-6WA80-0AG0**	989	50	94.8	95.7	96.4	96.4	0.81	0.82	0.81	0.75	6566	2.05	0.80		4.5		15	800	1.00
680	**1NA1 408-6WA80-0CG0**	989	51	94.6	95.6	96.2	96.3	0.80	0.81	0.81	0.75	6566	1.80	0.60		3.6		19	750	0.80
800	**1NA1 454-6WA80-0A.0**	991	60	94.9	95.7	96.2	96.2	0.79	0.81	0.80	0.76	7709	1.85	0.90		4.5		32	1000	0.90
850	**1NA1 454-6WA80-0C.0**	991	61	95.0	95.8	96.3	96.4	0.83	0.84	0.83	0.78	8191	1.95	0.60		4.1		41	700	0.90
950	**1NA1 456-6WA80-0A.0**	991	71	95.2	96.0	96.5	96.5	0.79	0.81	0.80	0.76	9154	1.90	0.90		4.6		37	1500	0.95
1000	**1NA1 456-6WA80-0C.0**	991	72	95.4	96.1	96.5	96.5	0.83	0.84	0.83	0.78	9636	2.00	0.60		4.3		47	1100	0.90
1150	**1NA1 458-6WA80-0A.0**	991	85	95.4	96.2	96.6	96.7	0.80	0.81	0.81	0.77	11081	1.90	0.90		4.6		44	1950	0.90
1150	**1NA1 458-6WA80-0C.0**	992	81	95.7	96.3	96.7	96.7	0.84	0.85	0.83	0.78	11070	2.05	0.65		4.5		56	1500	0.95
1250	**1NA1 502-6WA80-0A.0**	992	89	95.7	96.5	97.0	97.2	0.83	0.84	0.83	0.80	12033	2.20	0.90		6.1		52	1650	1.00
1340	**1NA1 502-6WA80-0C.0**	993	93	95.8	96.5	97.1	97.3	0.85	0.86	0.86	0.82	12886	1.90	0.55		4.7		68	1100	0.80
1440	**1NA1 504-6WA80-0A.0**	992	102	95.7	96.5	97.1	97.4	0.83	0.85	0.85	0.81	13862	2.10	0.90		5.8		59	1750	1.00
1500	**1NA1 504-6WA80-0C.0**	993	104	95.9	96.6	97.2	97.4	0.85	0.87	0.86	0.83	14425	1.85	0.55		4.6		76	1350	0.75
1620	**1NA1 506-6WA80-0A.0**	992	114	95.9	96.6	97.2	97.4	0.84	0.85	0.85	0.82	15595	2.15	0.90		5.9		66	1750	1.00
1670	**1NA1 506-6WA80-0C.0**	993	114	96.1	96.8	97.3	97.5	0.85	0.87	0.87	0.83	16060	1.90	0.55		4.7		86	1500	0.80
1850	**1NA1 508-6WA80-0A.0**	992	130	96.1	96.8	97.3	97.5	0.84	0.85	0.86	0.82	17809	2.20	0.95		6.0		75	1100	1.00

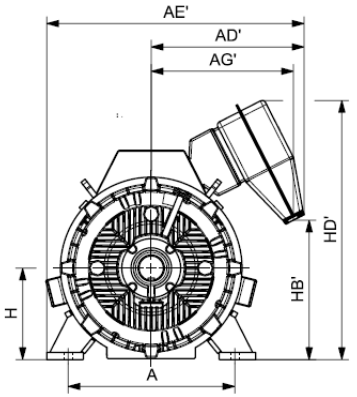
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SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
1900	**1NA1 508-6WA80-0C.0**	993	130	96.3	96.9	97.4	97.6	0.86	0.87	0.87	0.84	18272	1.95	0.55	4.8	97	1950	0.80
2050	**1NA1 564-6WA80-0C.0**	993	140	96.5	97.1	97.5	97.5	0.86	0.87	0.88	0.85	19714	2.05	0.45	4.2	137	3000	0.70
2300	**1NA1 566-6WA80-0C.0**	993	158	96.7	97.2	97.6	97.6	0.86	0.87	0.88	0.85	22118	2.10	0.45	4.3	152	3300	0.75
2700	**1NA1 568-6WA80-0C.0**	994	182	97.0	97.4	97.7	97.7	0.87	0.88	0.87	0.84	25939	2.25	0.50	4.7	167	3350	0.80
8-pole: n_{sync} = 750 rpm at 50 Hz																		
380	**1NA1 404-8WA80-0AG0**	736	30	92.5	93.9	94.8	95.1	0.78	0.78	0.76	0.68	4930	1.85	0.60	3.4	12	700	1.00
400	**1NA1 404-8WA80-0CG0**	741	32	93.0	94.3	95.0	95.0	0.75	0.76	0.73	0.63	5155	1.60	0.50	2.9	15	800	0.65
420	**1NA1 406-8WA80-0AG0**	736	32	92.8	94.1	95.0	95.2	0.78	0.79	0.77	0.69	5449	1.85	0.60	3.4	14	650	1.00
430	**1NA1 406-8WA80-0CG0**	742	34	93.4	94.6	95.2	95.1	0.76	0.77	0.73	0.64	5534	1.65	0.50	3.0	17	900	0.70
470	**1NA1 408-8WA80-0AG0**	736	36	93.0	94.3	95.1	95.4	0.79	0.79	0.78	0.70	6098	1.85	0.60	3.5	15	600	1.00
480	**1NA1 408-8WA80-0CG0**	742	38	93.6	94.8	95.3	95.3	0.76	0.77	0.74	0.65	6177	1.65	0.55	3.1	19	1100	0.70
600	**1NA1 454-8WA80-0A.0**	741	47	93.6	94.9	95.6	95.8	0.77	0.78	0.78	0.73	7732	1.80	0.80	3.9	32	1050	1.00
630	**1NA1 454-8WA80-0C.0**	742	48	93.7	94.9	95.6	95.7	0.80	0.81	0.80	0.74	8108	1.75	0.60	3.4	41	900	0.85
730	**1NA1 456-8WA80-0A.0**	742	56	94.4	95.4	96.0	96.0	0.79	0.79	0.78	0.72	9395	1.90	0.90	4.1	37	1600	1.00
750	**1NA1 456-8WA80-0C.0**	743	56	94.4	95.4	95.9	95.9	0.81	0.81	0.79	0.73	9639	1.90	0.65	3.7	47	1250	0.90
850	**1NA1 458-8WA80-0A.0**	741	65	94.4	95.5	96.2	96.3	0.78	0.79	0.79	0.75	10954	1.80	0.85	3.8	44	2200	1.00
870	**1NA1 458-8WA80-0C.0**	742	65	94.5	95.6	96.1	96.2	0.80	0.81	0.81	0.76	11197	1.80	0.60	3.5	56	1850	0.85
900	**1NA1 502-8WA80-0A.0**	742	69	94.2	95.3	95.9	96.1	0.77	0.79	0.78	0.73	11583	1.75	0.60	4.2	52	1950	0.85
940	**1NA1 502-8WA80-0C.0**	743	68	94.6	95.5	95.8	95.9	0.84	0.84	0.83	0.76	12081	1.95	0.55	4.3	67	1650	0.90
1020	**1NA1 504-8WA80-0A.0**	742	77	94.5	95.5	96.0	96.2	0.79	0.80	0.79	0.74	13127	1.80	0.65	4.4	59	2300	0.85
1100	**1NA1 504-8WA80-0C.0**	743	78	94.7	95.6	96.0	96.0	0.84	0.85	0.83	0.77	14138	1.95	0.65	4.3	76	1800	0.90
1180	**1NA1 506-8WA80-0A.0**	743	89	94.8	95.8	96.2	96.3	0.79	0.80	0.80	0.74	15166	1.85	0.65	4.5	66	3200	0.90
1250	**1NA1 506-8WA80-0C.0**	743	89	95.1	95.9	96.2	96.2	0.85	0.85	0.83	0.77	16065	2.00	0.60	4.5	85	2450	0.95
1350	**1NA1 508-8WA80-0A.0**	742	100	94.8	95.8	96.3	96.5	0.79	0.81	0.80	0.76	17374	1.75	0.65	4.3	75	3150	0.85
1400	**1NA1 508-8WA80-0C.0**	743	99	95.2	95.9	96.3	96.3	0.84	0.85	0.84	0.78	17993	1.95	0.60	4.4	96	2900	0.90
1600	**1NA1 564-8WA80-0C.0**	743	114	95.5	96.4	97.0	97.1	0.82	0.84	0.85	0.82	20564	1.75	0.45	3.5	136	4250	0.65
1800	**1NA1 566-8WA80-0C.0**	743	128	95.6	96.5	97.1	97.3	0.82	0.84	0.85	0.82	23134	1.75	0.45	3.5	152	4050	0.65
2000	**1NA1 568-8WA80-0C.0**	743	140	96.0	96.7	97.2	97.3	0.83	0.85	0.85	0.81	25705	1.85	0.45	3.8	167	4400	0.70

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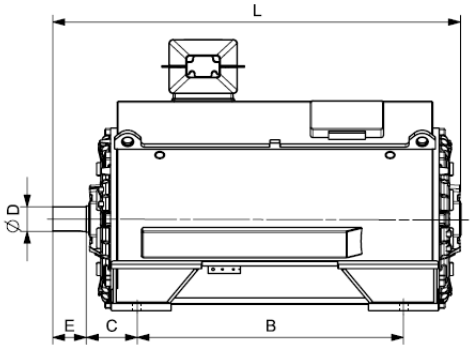


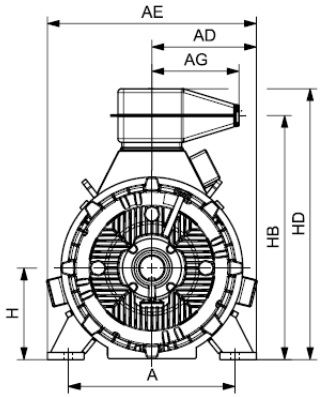


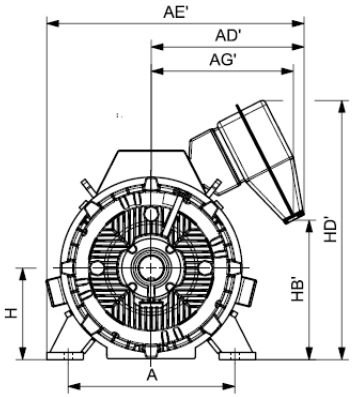


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WA80-0A.0	2600	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 402-2WA80-0C.0	2700	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 404-2WA80-0A.0	2700	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 404-2WA80-0C.0	2800	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 406-2WA80-0A.0	2900	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 406-2WA80-0C.0	3000	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 408-2WA80-0A.0	3000	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 408-2WA80-0C.0	3100	750	710	853	1160	1303	710	805	1120	254	85	130	400	1193	316	1373	1228	1700	o.r.
1NA1 452-2WA80-0C.0	3600	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 452-2WA80-0A.0	3500	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 454-2WA80-0A.0	3700	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 454-2WA80-0C.0	3900	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 456-2WA80-0A.0	3900	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 456-2WA80-0C.0	4100	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 458-2WA80-0A.0	4100	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 458-2WA80-0C.0	4300	850	710	903	1225	1418	710	857	1250	254	95	130	450	1304	451	1484	1348	1900	o.r.
1NA1 504-2WA80-0AJ0	4900	950	710	933	1275	1498	710	887	1320	475	110	165	500	1428	562	1608	1459	2290	o.r.
1NA1 504-2WA80-0C.0	5100	950	710	933	1275	1498	710	887	1320	280	110	165	500	1428	562	1608	1459	2049	o.r.
1NA1 506-2WA80-0AJ0	5300	950	710	933	1275	1498	710	887	1320	475	110	165	500	1428	562	1608	1459	2290	o.r.
1NA1 506-2WA80-0C.0	5500	950	710	933	1275	1498	710	887	1320	280	110	165	500	1428	562	1608	1459	2049	o.r.
1NA1 508-2WA80-0AJ0	5600	950	710	933	1275	1498	710	887	1320	475	110	165	500	1428	562	1608	1459	2290	o.r.
1NA1 508-2WA80-0C.0	5800	950	710	933	1275	1498	710	887	1320	280	110	165	500	1428	562	1608	1459	2049	o.r.
1NA1 566-2WA80-0C.0	7500	1060	710	966	1345	1601	710	919	1400	290	120	165	560	1564	687	1744	1584	2193	o.r.

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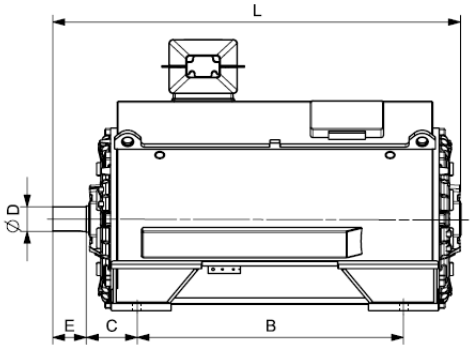


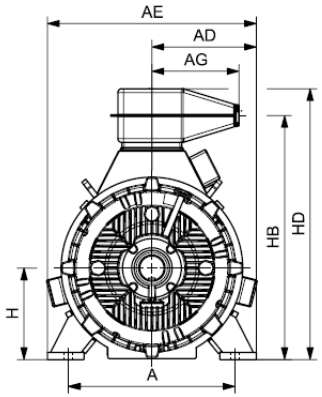


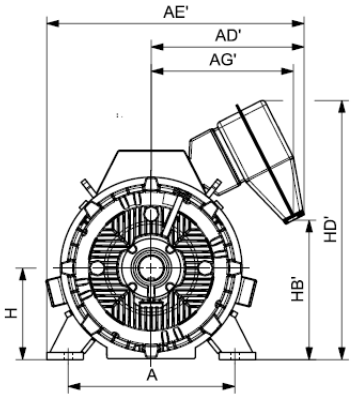


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 568-2WA80-0C.0	8000	1060	710	966	1345	1601	710	919	1400	290	120	165	560	1564	687	1744	1584	2193	o.r.
4-pole																			
1NA1 404-4WA80-0A.0	2800	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 404-4WA80-0C.0	2900	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 406-4WA80-0A.0	3000	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 406-4WA80-0C.0	3100	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 408-4WA80-0A.0	3200	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 408-4WA80-0C.0	3400	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 452-4WA80-0A.0	3600	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 452-4WA80-0C.0	3700	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 454-4WA80-0A.0	3800	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 454-4WA80-0C.0	3900	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 456-4WA80-0A.0	4100	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 456-4WA80-0C.0	4300	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 458-4WA80-0A.0	4400	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 458-4WA80-0C.0	4600	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 504-4WA80-0A.0	5100	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 504-4WA80-0C.0	5300	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 506-4WA80-0A.0	5500	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 506-4WA80-0C.0	5700	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 508-4WA80-0A.0	6000	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 508-4WA80-0C.0	6200	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 562-4WA80-0A.0	6500	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 562-4WA80-0C.0	6800	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.

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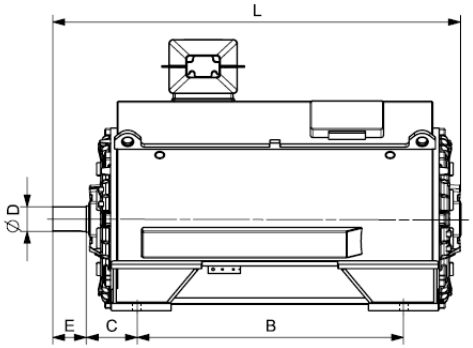


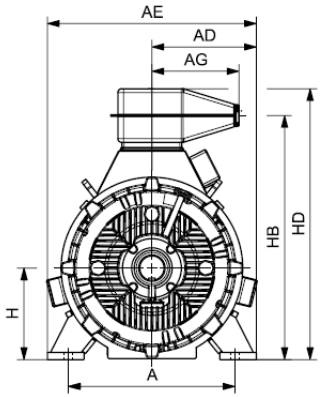


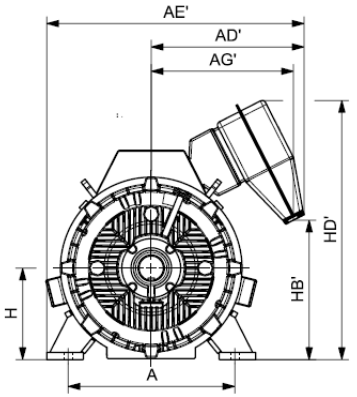


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 564-4WA80-0A.0	6900	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 564-4WA80-0C.0	7200	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 566-4WA80-0A.0	7300	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 566-4WA80-0C.0	7700	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 568-4WA80-0A.0	7800	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 568-4WA80-0C.0	8200	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
6-pole																			
1NA1 404-6WA80-0AG0	2700	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 404-6WA80-0CG0	2900	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 406-6WA80-0AG0	3000	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 406-6WA80-0CG0	3100	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 408-6WA80-0AG0	3200	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 408-6WA80-0CG0	3300	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 454-6WA80-0A.0	3700	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 454-6WA80-0C.0	3900	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 456-6WA80-0A.0	4000	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 456-6WA80-0C.0	4300	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 458-6WA80-0A.0	4500	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 458-6WA80-0C.0	4800	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 502-6WA80-0A.0	4800	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 502-6WA80-0C.0	5000	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 504-6WA80-0A.0	5200	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 504-6WA80-0C.0	5400	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 506-6WA80-0A.0	5600	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.

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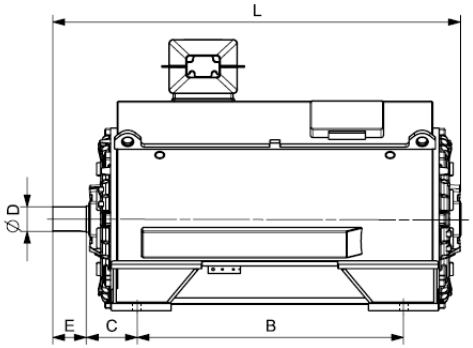


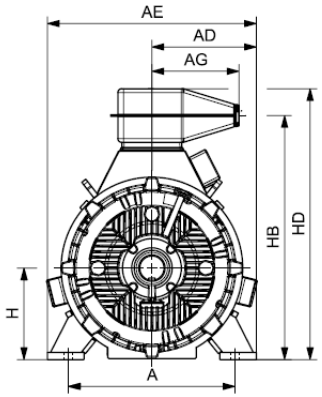


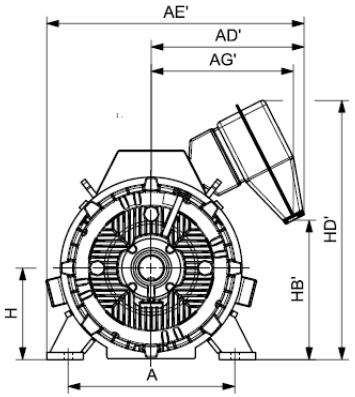


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-6WA80-0C.0	5800	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 508-6WA80-0A.0	6000	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 508-6WA80-0C.0	6300	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 564-6WA80-0C.0	7600	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 566-6WA80-0C.0	8100	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 568-6WA80-0C.0	8700	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
8-pole																			
1NA1 404-8WA80-0AG0	2700	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 404-8WA80-0CG0	2800	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 406-8WA80-0AG0	2900	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 406-8WA80-0CG0	3000	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 408-8WA80-0AG0	3100	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 408-8WA80-0CG0	3300	750	710	853	1160	1303	710	805	1120	254	110	165	400	1193	316	1373	1228	1735	o.r.
1NA1 454-8WA80-0A.0	3600	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 454-8WA80-0C.0	3800	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 456-8WA80-0A.0	4000	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 456-8WA80-0C.0	4200	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 458-8WA80-0A.0	4500	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 458-8WA80-0C.0	4700	850	710	903	1225	1418	710	857	1250	280	120	165	450	1304	451	1484	1348	2030	o.r.
1NA1 502-8WA80-0A.0	4800	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 502-8WA80-0C.0	5000	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 504-8WA80-0A.0	5100	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 504-8WA80-0C.0	5400	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 506-8WA80-0A.0	5500	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.

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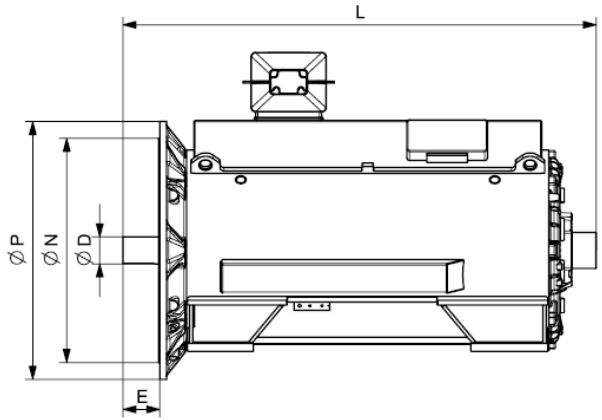


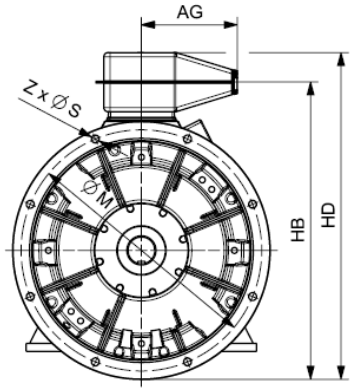




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-8WA80-0C.0	5800	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 508-8WA80-0A.0	6000	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 508-8WA80-0C.0	6300	950	710	933	1275	1498	710	887	1320	315	140	200	500	1428	562	1608	1459	2175	o.r.
1NA1 564-8WA80-0C.0	7500	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 566-8WA80-0C.0	8100	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.
1NA1 568-8WA80-0C.0	8600	1060	710	966	1345	1601	710	919	1400	335	160	240	560	1564	687	1744	1584	2346	o.r.

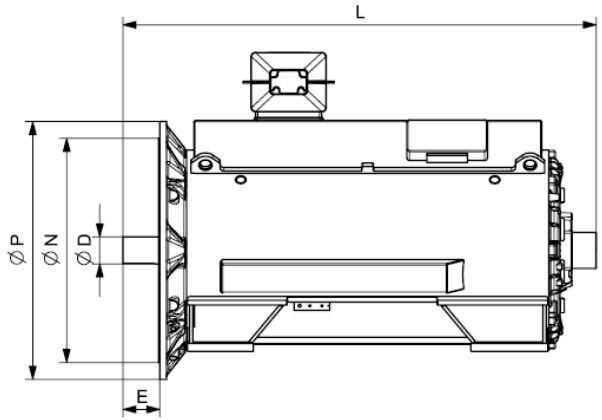
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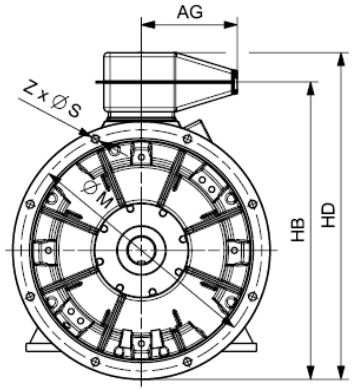




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4WA88-0AG0	2900	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 404-4WA88-0CG0	3000	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 406-4WA88-0AG0	3100	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 406-4WA88-0CG0	3200	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 408-4WA88-0AG0	3300	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 408-4WA88-0CG0	3400	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 452-4WA88-0AG0	3700	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 452-4WA88-0CG0	3900	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WA88-0AG0	3900	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WA88-0CG0	4100	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WA88-0AG0	4300	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WA88-0CG0	4400	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WA88-0AG0	4600	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WA88-0CG0	4700	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WA88-0AG0	5300	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WA88-0CG0	5500	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WA88-0AG0	5700	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WA88-0CG0	5900	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WA88-0AG0	6200	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WA88-0CG0	6400	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WA88-0AG0	6700	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WA88-0CG0	7100	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16

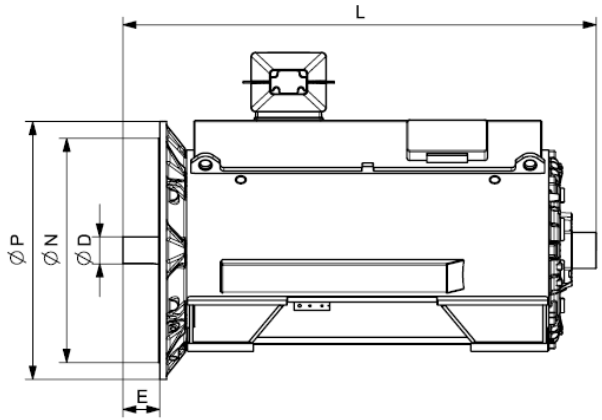
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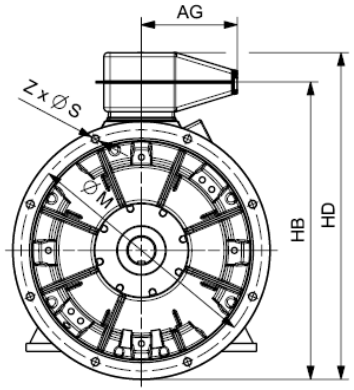




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 564-4WA88-0AG0	7200	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WA88-0CG0	7500	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WA88-0AG0	7600	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WA88-0CG0	8000	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WA88-0AG0	8100	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WA88-0CG0	8500	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 404-6WA88-0AG0	2800	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 404-6WA88-0CG0	2900	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 406-6WA88-0AG0	3000	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 406-6WA88-0CG0	3200	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 408-6WA88-0AG0	3300	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 408-6WA88-0CG0	3400	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 454-6WA88-0AG0	3800	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WA88-0CG0	4000	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WA88-0AG0	4200	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WA88-0CG0	4400	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WA88-0AG0	4700	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WA88-0CG0	4900	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WA88-0AG0	5000	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WA88-0CG0	5200	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WA88-0AG0	5300	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WA88-0CG0	5600	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16

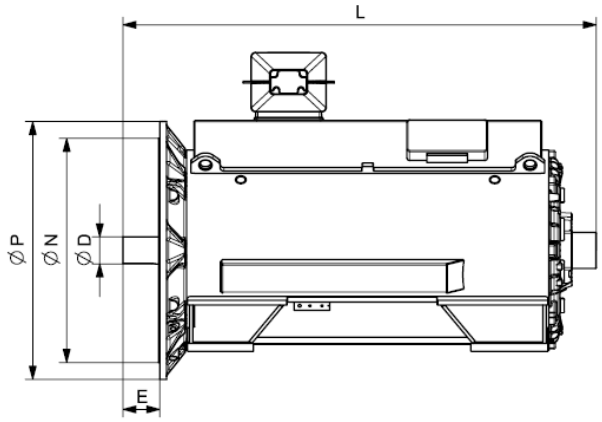
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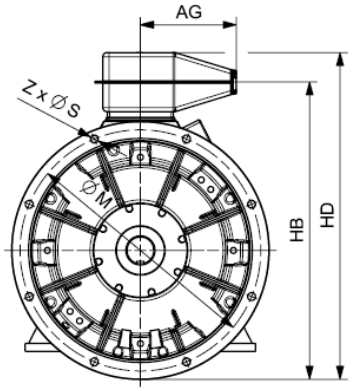




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 506-6WA88-0AG0	5700	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WA88-0CG0	6000	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WA88-0AG0	6200	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WA88-0CG0	6500	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WA88-0CG0	7900	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WA88-0CG0	8400	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WA88-0CG0	9000	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WA88-0AG0	2800	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 404-8WA88-0CG0	2900	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 406-8WA88-0AG0	3000	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 406-8WA88-0CG0	3100	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 408-8WA88-0AG0	3200	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 408-8WA88-0CG0	3300	1210	710	110	1293	1473	1735	o.r.	940	880	1000	22	8
1NA1 454-8WA88-0AG0	3800	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WA88-0CG0	4000	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WA88-0AG0	4200	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WA88-0CG0	4400	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WA88-0AG0	4600	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WA88-0CG0	4900	1285	710	120	1429	1609	2030	o.r.	1080	1000	1150	26	8
1NA1 502-8WA88-0AG0	4900	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 502-8WA88-0CG0	5100	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WA88-0AG0	5300	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8WA88-0CG0	5500	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WA88-0AG0	5700	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WA88-0CG0	6000	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WA88-0AG0	6200	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WA88-0CG0	6500	1335	710	140	1553	1733	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WA88-0CG0	7800	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WA88-0CG0	8400	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WA88-0CG0	8900	1410	710	160	1704	1884	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
260	**1NB1 350-2AA60-4AA0**	2978	32	94.6	95.1	95.2	94.7	0.82	0.83	0.80	0.75	834	2.45	1.10	5.4		4	40	1.00
300	**1NB1 352-2AA60-4AA0**	2980	36	95.1	95.5	95.6	95.1	0.83	0.83	0.81	0.75	961	2.70	1.25	5.9		4	55	1.00
360	**1NB1 354-2AA60-4AA0**	2978	43	94.9	95.7	95.4	94.8	0.84	0.85	0.84	0.80	1154	2.45	1.20	5.4		5	65	1.00
410	**1NB1 356-2AA60-4AA0**	2980	48	95.5	95.9	96.2	95.8	0.86	0.86	0.85	0.80	1314	2.70	1.25	5.9		5	65	1.00
460	**1NB1 358-2AA60-4AA0**	2980	53	95.4	96.1	95.9	95.4	0.87	0.87	0.85	0.81	1474	2.75	1.30	6.0		6	75	1.00
650	**1NB1 402-2AA60-4A.0**	2978	76	95.9	96.3	96.5	96.1	0.86	0.86	0.86	0.81	2084	2.35	0.95	5.0		9	50	1.00
670	**1NB1 402-2AA60-4C.0**	2978	75	96.0	96.3	96.5	96.2	0.89	0.89	0.87	0.83	2148	2.75	1.00	6.0		12	115	1.00
720	**1NB1 404-2AA60-4A.0**	2978	83	96.1	96.4	96.6	96.3	0.86	0.87	0.86	0.82	2309	2.35	1.00	5.0		10	50	1.00
730	**1NB1 404-2AA60-4C.0**	2978	83	96.1	96.5	96.6	96.3	0.88	0.88	0.87	0.83	2341	2.45	0.75	5.4		12	95	1.00
810	**1NB1 406-2AA60-4A.0**	2980	92	96.3	96.6	96.8	96.5	0.87	0.88	0.87	0.82	2596	2.55	1.10	5.5		11	50	1.00
820	**1NB1 406-2AA60-4C.0**	2980	92	96.3	96.6	96.8	96.5	0.89	0.89	0.87	0.82	2628	2.65	0.80	5.9		14	115	1.00
860	**1NB1 452-2AA60-4A.0**	2982	97	96.4	96.8	96.9	96.6	0.87	0.88	0.87	0.84	2754	2.30	1.05	5.4		13	30	0.95
860	**1NB1 452-2AA60-4C.0**	2980	96	96.3	96.7	96.8	96.5	0.89	0.89	0.89	0.85	2756	2.50	0.80	5.7		16	115	1.00
910	**1NB1 454-2AA60-4A.0**	2983	102	96.5	96.9	97.0	96.7	0.88	0.89	0.88	0.84	2913	2.40	1.25	5.7		15	40	1.00
910	**1NB1 454-2AA60-4C.0**	2982	100	96.5	96.8	96.9	96.6	0.90	0.90	0.89	0.85	2914	2.60	0.90	6.0		18	150	1.00
1010	**1NB1 456-2AA60-4A.0**	2984	112	96.7	97.0	97.1	96.8	0.89	0.90	0.89	0.85	3232	2.60	1.25	6.0		16	35	1.00
1010	**1NB1 456-2AA60-4C.0**	2982	110	96.6	96.9	97.0	96.7	0.91	0.91	0.90	0.85	3234	2.75	0.90	6.4		20	150	1.00
1150	**1NB1 502-2AA60-4A.0**	2986	130	96.6	96.8	96.8	96.3	0.88	0.88	0.87	0.82	3678	2.70	0.75	5.9		21	60	0.95
1170	**1NB1 502-2AA60-4C.0**	2986	130	96.6	96.8	96.7	96.1	0.90	0.90	0.88	0.83	3742	3.00	0.75	6.3		27	150	1.00
1300	**1NB1 504-2AA60-4A.0**	2986	146	96.8	97.0	97.1	96.6	0.88	0.88	0.88	0.84	4157	2.65	0.80	5.8		23	70	0.90
1320	**1NB1 504-2AA60-4C.0**	2986	146	96.8	97.0	96.9	96.4	0.90	0.90	0.89	0.84	4221	2.90	0.75	6.3		30	150	1.00
1410	**1NB1 506-2AA60-4A.0**	2986	156	97.0	97.2	97.2	96.8	0.89	0.89	0.89	0.85	4509	2.75	0.85	6.0		27	90	0.95
1450	**1NB1 506-2AA60-4C.0**	2987	158	96.9	97.1	97.1	96.7	0.90	0.91	0.90	0.86	4636	2.95	0.75	6.4		33	200	1.00
1600	**1NB1 564-2AA60-4C.0**	2988	174	97.0	97.1	97.1	96.5	0.90	0.91	0.90	0.88	5113	2.60	0.65	5.7		50	300	0.85
1800	**1NB1 566-2AA60-4C.0**	2989	196	97.2	97.3	97.3	96.8	0.91	0.91	0.91	0.88	5751	2.75	0.65	6.1		55	300	0.90
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
260	**1NB1 350-4AA60-4AA0**	1486	32	94.6	95.0	95.2	94.6	0.81	0.81	0.77	0.68	1671	2.80	1.40	5.8		5	350	1.00
280	**1NB1 352-4AA60-4AA0**	1487	35	94.9	95.2	95.4	94.7	0.82	0.81	0.77	0.67	1798	3.05	1.55	6.3		5	450	1.00
340	**1NB1 354-4AA60-4AA0**	1486	42	94.7	95.3	95.2	94.5	0.83	0.83	0.79	0.70	2185	2.90	1.50	6.0		6	450	1.00
400	**1NB1 356-4AA60-4AA0**	1487	48	95.0	95.5	95.5	94.9	0.84	0.84	0.80	0.71	2569	2.95	1.55	6.2		7	550	1.00
500	**1NB1 358-4AA60-4AA0**	1487	60	95.3	95.8	95.9	95.4	0.85	0.84	0.81	0.73	3211	2.95	1.60	6.2		8	500	1.00
650	**1NB1 404-4AA60-4C.0**	1488	76	95.9	96.3	96.5	96.3	0.85	0.85	0.84	0.78	4171	2.65	0.75	5.4		15	500	1.00
680	**1NB1 404-4AA60-4A.0**	1487	81	95.7	96.2	96.5	96.3	0.84	0.84	0.83	0.78	4367	2.30	1.10	4.7		12	250	1.00
750	**1NB1 406-4AA60-4C.0**	1488	87	96.0	96.4	96.7	96.5	0.86	0.86	0.85	0.79	4813	2.55	0.75	5.2		17	500	1.00
750	**1NB1 406-4AA60-4A.0**	1487	88	95.8	96.3	96.6	96.4	0.84	0.85	0.84	0.79	4816	2.30	1.10	4.8		13	250	1.00
850	**1NB1 452-4AA60-4A.0**	1489	102	96.0	96.5	96.7	96.4	0.83	0.83	0.81	0.75	5451	2.20	1.05	5.0		20	350	1.00

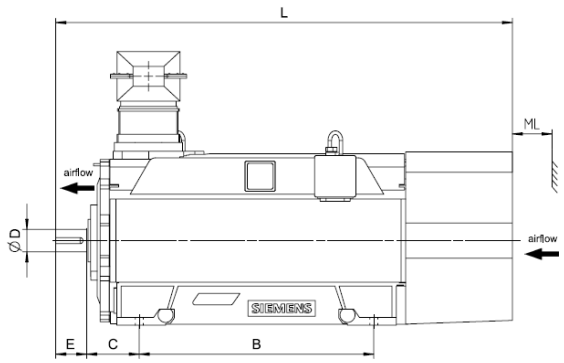
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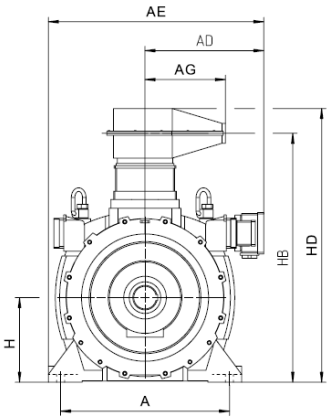
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
850	**1NB1 452-4AA60-4C.0**	1490	100	96.1	96.5	96.7	96.3	0.85	0.85	0.83	0.76	5448	2.40	0.70	5.5	25	600	1.00
920	**1NB1 454-4AA60-4A.0**	1490	110	96.2	96.6	96.8	96.5	0.82	0.83	0.81	0.74	5896	2.30	1.05	5.2	22	400	1.00
950	**1NB1 454-4AA60-4C.0**	1490	112	96.2	96.6	96.8	96.5	0.84	0.84	0.82	0.76	6088	2.40	0.65	5.5	28	650	1.00
1050	**1NB1 456-4AA60-4A.0**	1490	126	96.4	96.8	97.0	96.7	0.83	0.83	0.81	0.75	6729	2.35	1.10	5.3	25	450	1.00
1060	**1NB1 456-4AA60-4C.0**	1491	124	96.5	96.8	97.0	96.6	0.85	0.85	0.83	0.76	6789	2.55	0.70	5.8	32	800	1.00
1120	**1NB1 502-4AA60-4A.0**	1489	134	95.9	96.3	96.5	96.1	0.83	0.84	0.83	0.79	7183	2.00	0.80	4.6	29	450	0.80
1150	**1NB1 502-4AA60-4C.0**	1490	136	96.1	96.4	96.6	96.2	0.84	0.85	0.85	0.80	7370	2.05	0.60	5.0	37	600	0.95
1320	**1NB1 504-4AA60-4A.0**	1491	154	96.4	96.6	96.7	96.3	0.84	0.85	0.83	0.77	8454	2.30	0.95	5.2	33	400	0.95
1360	**1NB1 504-4AA60-4C.0**	1492	158	96.5	96.7	96.8	96.4	0.86	0.86	0.85	0.79	8704	2.40	0.70	5.7	42	750	1.00
1500	**1NB1 506-4AA60-4A.0**	1491	176	96.6	96.8	96.9	96.5	0.84	0.85	0.84	0.77	9607	2.35	0.95	5.3	38	400	1.00
1550	**1NB1 506-4AA60-4C.0**	1492	178	96.7	96.9	97.0	96.6	0.85	0.86	0.85	0.79	9921	2.40	0.70	5.8	48	900	1.00
1560	**1NB1 560-4AA60-4C.0**	1491	180	96.4	96.7	96.7	96.2	0.83	0.86	0.85	0.81	9991	2.00	0.60	5.0	65	750	0.90
1550	**1NB1 560-4AA60-4A.0**	1492	184	96.3	96.6	96.6	96.1	0.82	0.84	0.83	0.79	9921	1.95	0.80	4.8	49	600	0.80
1810	**1NB1 562-4AA60-4A.0**	1493	210	96.8	97.0	96.9	96.3	0.83	0.85	0.83	0.77	11577	2.25	0.95	5.5	55	500	1.00
1850	**1NB1 562-4AA60-4C.0**	1492	215	96.8	97.0	97.0	96.5	0.85	0.86	0.85	0.79	11841	2.25	0.70	5.8	72	950	1.00
2010	**1NB1 564-4AA60-4A.0**	1493	235	97.0	97.2	97.1	96.5	0.84	0.85	0.83	0.76	12856	2.30	0.95	5.7	60	550	1.00
2050	**1NB1 564-4AA60-4C.0**	1493	235	97.0	97.2	97.2	96.7	0.85	0.86	0.85	0.79	13112	2.35	0.65	6.0	79	1100	1.00
2200	**1NB1 566-4AA60-4A.0**	1493	255	97.1	97.3	97.2	96.7	0.85	0.86	0.84	0.78	14071	2.40	1.00	5.9	67	550	1.00
2200	**1NB1 566-4AA60-4C.0**	1493	250	97.2	97.3	97.3	96.8	0.86	0.87	0.86	0.80	14071	2.50	0.75	6.3	88	1400	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																		
200	**1NB1 352-6AA60-4AA0**	993	26	94.6	95.1	94.6	93.6	0.79	0.76	0.70	0.58	1923	3.45	1.65	6.8	11	650	1.00
250	**1NB1 354-6AA60-4AA0**	991	32	94.6	95.3	95.2	94.5	0.79	0.78	0.73	0.63	2409	2.90	1.35	5.9	11	650	1.00
300	**1NB1 356-6AA60-4AA0**	991	38	94.8	95.5	95.4	94.9	0.80	0.79	0.75	0.65	2891	2.85	1.35	5.9	13	700	1.00
360	**1NB1 358-6AA60-4AA0**	992	46	95.1	95.6	95.6	95.1	0.80	0.79	0.74	0.64	3465	2.95	1.35	6.0	15	900	1.00
600	**1NB1 404-6AA60-4C.0**	993	73	95.7	96.1	96.3	95.9	0.83	0.82	0.78	0.69	5770	2.60	0.90	5.4	27	700	1.00
600	**1NB1 404-6AA60-4A.0**	992	75	95.5	96.1	96.4	96.1	0.80	0.80	0.77	0.69	5776	2.55	1.25	5.5	22	800	1.00
630	**1NB1 406-6AA60-4C.0**	994	77	95.8	96.2	96.4	95.9	0.83	0.82	0.78	0.69	6052	2.75	0.95	5.7	31	800	1.00
630	**1NB1 406-6AA60-4A.0**	993	78	95.7	96.2	96.4	96.1	0.81	0.81	0.77	0.68	6058	2.70	1.35	5.9	25	900	1.00
630	**1NB1 452-6AA60-4A.0**	992	79	95.5	96.1	96.4	96.2	0.79	0.80	0.79	0.73	6065	2.10	1.00	5.0	28	1250	1.00
650	**1NB1 452-6AA60-4C.0**	992	77	95.7	96.2	96.4	96.3	0.83	0.84	0.82	0.76	6257	2.20	0.70	4.7	36	950	1.00
710	**1NB1 454-6AA60-4A.0**	993	89	95.8	96.3	96.5	96.2	0.80	0.80	0.79	0.72	6828	2.20	1.05	5.4	32	1800	1.00
720	**1NB1 454-6AA60-4C.0**	993	87	96.0	96.4	96.6	96.3	0.84	0.83	0.81	0.74	6924	2.40	0.70	5.1	41	1400	1.00
780	**1NB1 456-6AA60-4A.0**	994	96	96.1	96.5	96.5	96.2	0.82	0.81	0.78	0.70	7493	2.50	1.25	6.0	37	1950	1.00
800	**1NB1 456-6AA60-4C.0**	994	95	96.2	96.5	96.6	96.2	0.84	0.84	0.80	0.72	7686	2.65	0.85	5.6	47	1450	1.00
800	**1NB1 500-6AA60-4A.0**	993	98	95.7	96.2	96.5	96.4	0.81	0.82	0.80	0.75	7693	2.05	1.15	5.4	47	1650	0.95
880	**1NB1 500-6AA60-4C.0**	994	102	95.9	96.4	96.6	96.4	0.86	0.86	0.84	0.79	8454	2.25	0.65	5.5	60	900	1.00
1000	**1NB1 502-6AA60-4A.0**	993	122	96.0	96.5	96.8	96.6	0.82	0.82	0.80	0.74	9617	2.15	1.20	5.6	53	900	1.00

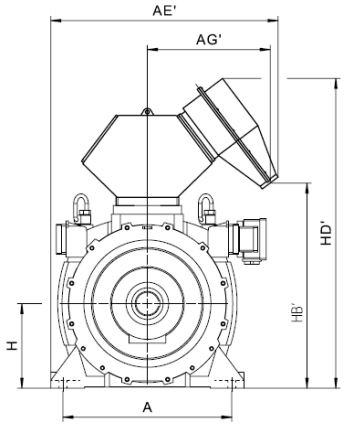
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SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
1070	**1NB1 502-6AA60-4C.0**	994	124	96.3	96.7	96.9	96.7	0.86	0.86	0.84	0.78	10279	2.40	0.70		5.8		68	1150	1.00
1070	**1NB1 504-6AA60-4A.0**	994	130	96.1	96.6	96.8	96.6	0.82	0.82	0.80	0.74	10279	2.30	1.35		6.0		60	1200	1.00
1150	**1NB1 504-6AA60-4C.0**	995	132	96.4	96.8	96.9	96.7	0.87	0.86	0.84	0.77	11037	2.60	0.75		6.3		76	1300	1.00
1220	**1NB1 506-6AA60-4A.0**	994	148	96.4	96.8	97.0	96.8	0.83	0.82	0.80	0.74	11720	2.35	1.35		6.1		68	1200	1.00
1300	**1NB1 506-6AA60-4C.0**	995	150	96.7	97.0	97.1	96.9	0.87	0.86	0.84	0.77	12476	2.65	0.75		6.4		86	1850	1.00
1600	**1NB1 562-6AA60-4C.0**	994	182	96.8	97.1	97.3	97.1	0.87	0.87	0.86	0.82	15371	2.45	0.55		5.0		120	1900	0.95
1760	**1NB1 564-6AA60-4C.0**	995	200	96.9	97.2	97.4	97.1	0.87	0.87	0.86	0.81	16891	2.60	0.60		5.4		137	2500	1.00
1950	**1NB1 566-6AA60-4C.0**	995	220	97.1	97.4	97.4	97.2	0.87	0.87	0.85	0.80	18715	2.80	0.60		5.8		152	3100	1.00
8-pole: n_{sync} = 750 rpm at 50 Hz																				
160	**1NB1 354-8AA60-4AA0**	740	22	92.8	94.1	94.1	93.7	0.79	0.78	0.73	0.62	2065	2.75	1.00		5.1		10	550	1.00
200	**1NB1 356-8AA60-4AA0**	740	26	93.3	94.3	94.5	94.1	0.80	0.78	0.73	0.62	2581	2.90	1.10		5.3		12	650	1.00
250	**1NB1 358-8AA60-4AA0**	741	33	93.9	94.7	94.8	94.4	0.79	0.77	0.71	0.59	3222	3.20	1.20		5.7		15	1050	1.00
430	**1NB1 404-8AA60-4A.0**	742	55	95.0	95.6	95.9	95.6	0.80	0.79	0.75	0.65	5534	2.50	1.05		5.0		22	1550	1.00
440	**1NB1 404-8AA60-4C.0**	743	56	95.2	95.7	95.8	95.4	0.81	0.79	0.74	0.63	5655	2.20	0.85		4.3		27	1150	1.00
460	**1NB1 406-8AA60-4A.0**	742	58	95.1	95.7	96.0	95.7	0.81	0.80	0.76	0.66	5920	2.50	1.10		5.1		25	1700	1.00
460	**1NB1 406-8AA60-4C.0**	744	58	95.3	95.8	95.9	95.4	0.81	0.79	0.75	0.64	5904	2.30	0.85		4.4		31	1350	1.00
560	**1NB1 452-8AA60-4A.0**	741	73	94.6	95.5	96.0	96.0	0.76	0.77	0.77	0.72	7217	1.80	0.80		3.8		28	1650	1.00
560	**1NB1 452-8AA60-4C.0**	742	70	94.9	95.7	96.0	95.8	0.80	0.81	0.79	0.72	7207	1.85	0.60		3.6		36	1500	0.90
600	**1NB1 454-8AA60-4A.0**	742	77	95.1	95.8	96.1	95.9	0.79	0.78	0.76	0.69	7722	2.05	0.95		4.4		32	2050	1.00
610	**1NB1 454-8AA60-4C.0**	743	77	95.2	95.9	96.1	95.8	0.81	0.80	0.78	0.70	7840	2.05	0.70		4.0		41	1500	1.00
650	**1NB1 456-8AA60-4A.0**	743	83	95.3	95.9	96.2	96.0	0.79	0.79	0.77	0.71	8354	2.10	1.00		4.5		37	2350	1.00
650	**1NB1 456-8AA60-4C.0**	743	80	95.4	96.0	96.2	95.9	0.81	0.81	0.78	0.71	8354	2.10	0.75		4.1		47	1800	1.00
710	**1NB1 502-8AA60-4C.0**	745	85	95.5	95.9	95.8	95.4	0.85	0.84	0.80	0.71	9101	2.50	0.75		5.5		67	2150	1.00
690	**1NB1 502-8AA60-4A.0**	744	87	95.4	95.9	96.0	95.7	0.80	0.80	0.77	0.69	8856	2.25	0.75		5.4		52	2800	1.00
760	**1NB1 504-8AA60-4A.0**	745	95	95.5	96.0	96.0	95.7	0.81	0.80	0.77	0.68	9742	2.35	0.80		5.7		59	2750	1.00
780	**1NB1 504-8AA60-4C.0**	745	93	95.6	95.9	95.8	95.3	0.85	0.84	0.80	0.71	9998	2.65	0.80		5.8		76	2450	1.00
850	**1NB1 506-8AA60-4A.0**	745	106	95.7	96.1	96.1	95.7	0.81	0.80	0.76	0.66	10895	2.60	0.95		6.2		66	3250	1.00
850	**1NB1 506-8AA60-4C.0**	746	102	95.8	96.0	95.8	95.2	0.85	0.83	0.78	0.68	10881	2.95	0.90		6.4		85	3050	1.00
1120	**1NB1 562-8AA60-4C.0**	745	132	96.3	96.7	96.9	96.6	0.84	0.84	0.81	0.74	14356	2.45	0.65		4.8		120	4300	1.00
1220	**1NB1 564-8AA60-4C.0**	745	142	96.4	96.8	97.0	96.8	0.85	0.85	0.83	0.76	15638	2.30	0.60		4.6		136	4250	0.95
1350	**1NB1 566-8AA60-4C.0**	745	160	96.6	96.9	97.1	96.8	0.85	0.84	0.82	0.75	17304	2.50	0.60		5.0		152	6050	1.00

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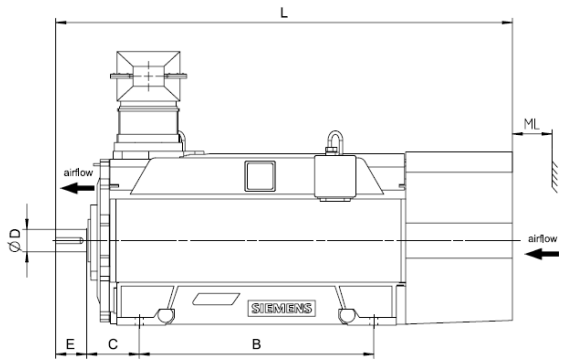


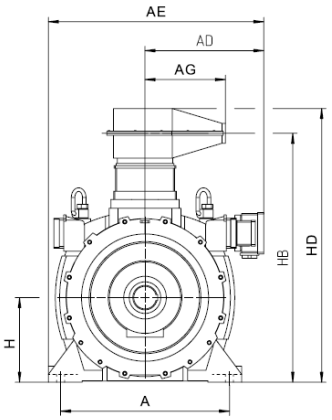


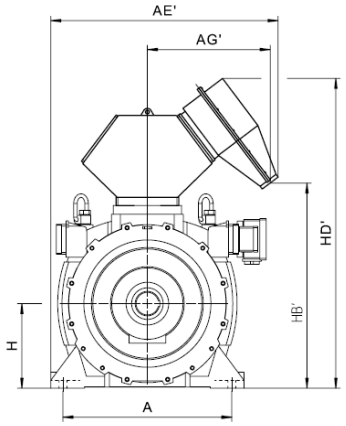


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 350-2AA60-4AA0	2500	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 352-2AA60-4AA0	2600	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 354-2AA60-4AA0	2900	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 356-2AA60-4AA0	3000	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 358-2AA60-4AA0	3100	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 402-2AA60-4A.0	3800	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 402-2AA60-4C.0	3900	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 404-2AA60-4A.0	4000	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 404-2AA60-4C.0	4100	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 406-2AA60-4A.0	4100	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 406-2AA60-4C.0	4200	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 452-2AA60-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 452-2AA60-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 454-2AA60-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 454-2AA60-4C.0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AA60-4A.0	5300	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AA60-4C.0	5500	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 502-2AA60-4A.0	6400	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 502-2AA60-4C.0	6600	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 504-2AA60-4A.0	6700	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 504-2AA60-4C.0	6900	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 506-2AA60-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200

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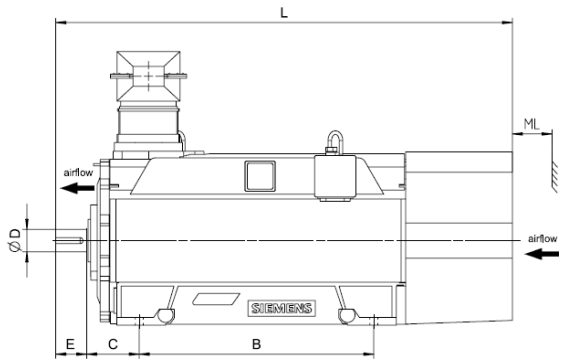


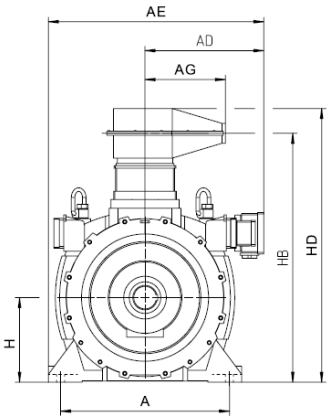


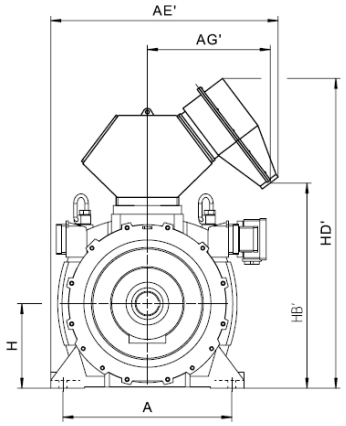


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-2AA60-4C.0	7300	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 564-2AA60-4C.0	8900	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	2628	225
1NB1 566-2AA60-4C.0	9400	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	2628	225
4-pole																			
1NB1 350-4AA60-4AA0	2500	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 352-4AA60-4AA0	2600	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 354-4AA60-4AA0	3000	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 356-4AA60-4AA0	3100	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 358-4AA60-4AA0	3400	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 404-4AA60-4C.0	4200	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 404-4AA60-4A.0	4100	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-4AA60-4C.0	4400	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-4AA60-4A.0	4300	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 452-4AA60-4A.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-4AA60-4C.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AA60-4A.0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AA60-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AA60-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AA60-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-4AA60-4A.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-4AA60-4C.0	6600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AA60-4A.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AA60-4C.0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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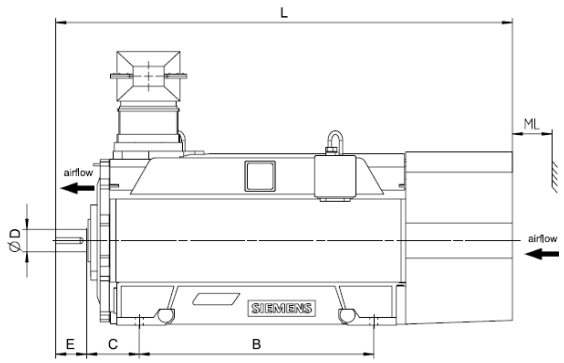


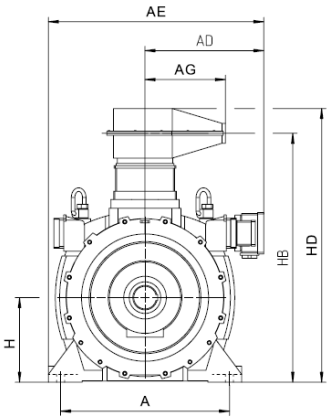


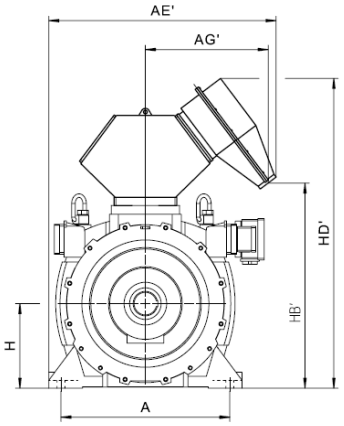


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-4AA60-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AA60-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 560-4AA60-4C.0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 560-4AA60-4A.0	8300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AA60-4A.0	8700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AA60-4C.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AA60-4A.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AA60-4C.0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AA60-4A.0	9700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AA60-4C.0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
6-pole																			
1NB1 352-6AA60-4AA0	2800	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 354-6AA60-4AA0	2800	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 356-6AA60-4AA0	3200	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 358-6AA60-4AA0	3400	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 404-6AA60-4C.0	4300	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 404-6AA60-4A.0	4200	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-6AA60-4C.0	4600	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-6AA60-4A.0	4400	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 452-6AA60-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-6AA60-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AA60-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AA60-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180

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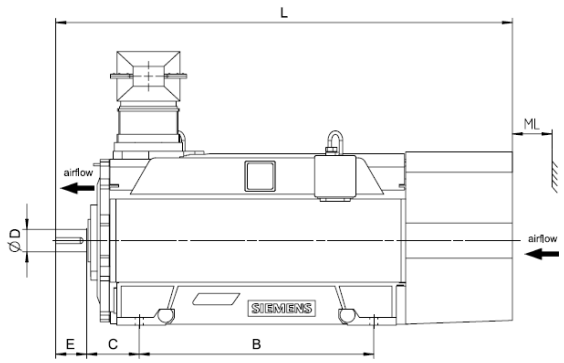


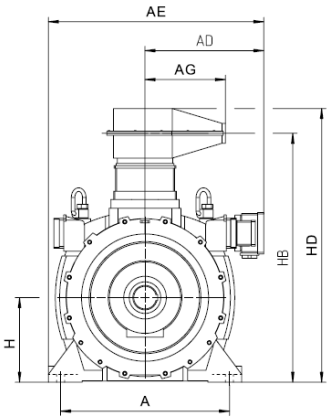


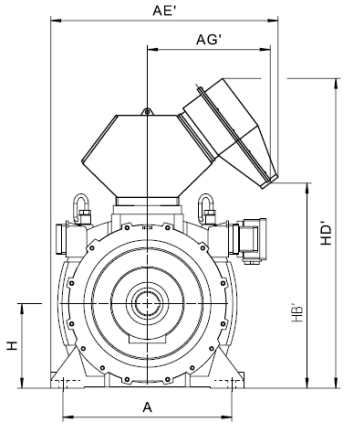


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 456-6AA60-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AA60-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 500-6AA60-4A.0	6200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 500-6AA60-4C.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AA60-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AA60-4C.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AA60-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AA60-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AA60-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AA60-4C.0	7600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-6AA60-4C.0	9300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-6AA60-4C.0	9900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-6AA60-4C.0	10500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
8-pole																			
1NB1 354-8AA60-4AA0	2800	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 356-8AA60-4AA0	3200	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 358-8AA60-4AA0	3400	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 404-8AA60-4A.0	4100	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 404-8AA60-4C.0	4300	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-8AA60-4A.0	4400	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-8AA60-4C.0	4500	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 452-8AA60-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-8AA60-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180

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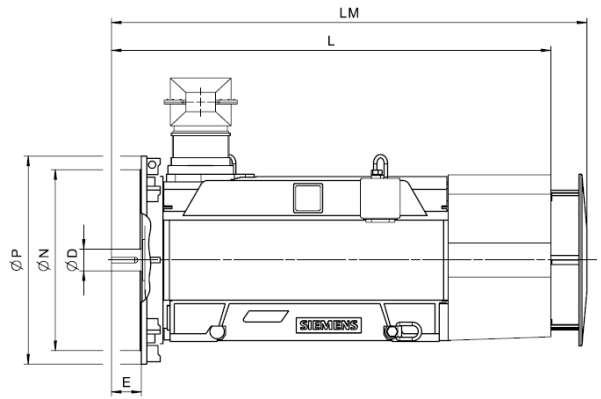


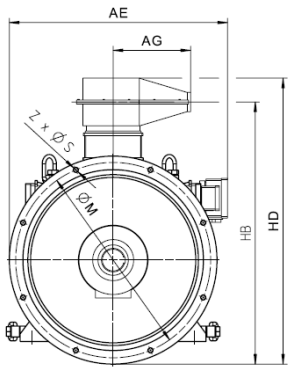


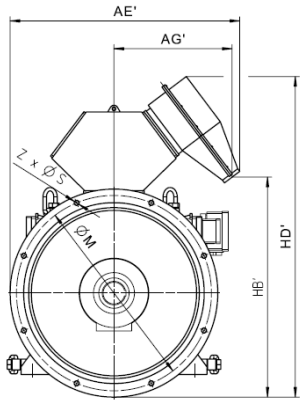


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 454-8AA60-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AA60-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AA60-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AA60-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-8AA60-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-8AA60-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AA60-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AA60-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AA60-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AA60-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-8AA60-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-8AA60-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-8AA60-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

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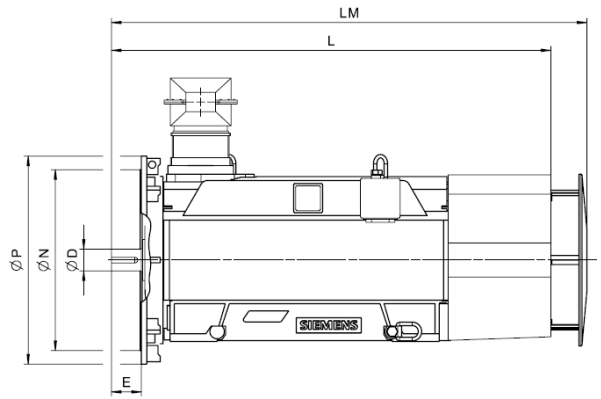


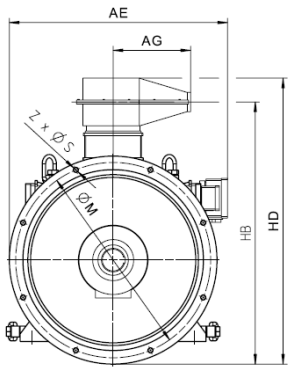


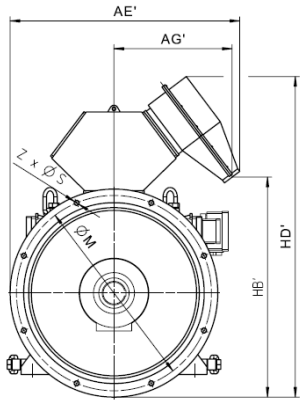


Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings														
2-pole														
1NB1 350-2AA64-4AA0	2500	925	431	75	872	1004	2031	2036	740	680	800	24	8
1NB1 352-2AA64-4AA0	2600	925	431	75	872	1004	2031	2036	740	680	800	24	8
1NB1 354-2AA64-4AA0	3000	925	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 356-2AA64-4AA0	3100	925	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 358-2AA64-4AA0	3200	925	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 402-2AA64-4AA0	4000	1041	525	85	1337	1463	2147	2347	940	880	1000	24	8
1NB1 402-2AA64-4CA0	4100	1041	525	85	1337	1463	2147	2347	940	880	1000	24	8
1NB1 404-2AA64-4AA0	4100	1041	525	85	1337	1463	2147	2347	940	880	1000	24	8
1NB1 404-2AA64-4CA0	4200	1041	525	85	1337	1463	2147	2347	940	880	1000	24	8
1NB1 406-2AA64-4AA0	4300	1041	525	85	1337	1463	2147	2347	940	880	1000	24	8
1NB1 406-2AA64-4CA0	4400	1041	525	85	1337	1463	2147	2347	940	880	1000	24	8
4-pole														
1NB1 350-4AA64-4AA0	2600	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 352-4AA64-4AA0	2700	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 354-4AA64-4AA0	3000	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 356-4AA64-4AA0	3200	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 358-4AA64-4AA0	3400	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-4AA64-4CA0	4300	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 404-4AA64-4AA0	4200	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-4AA64-4CA0	4600	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-4AA64-4AA0	4400	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 452-4AA64-4AA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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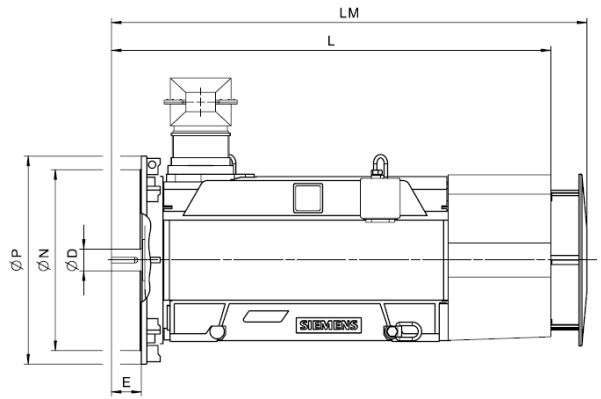


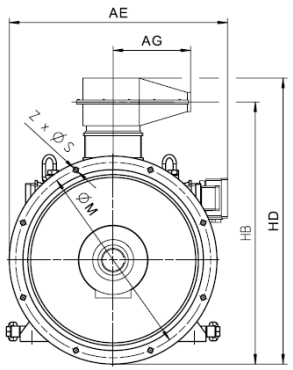


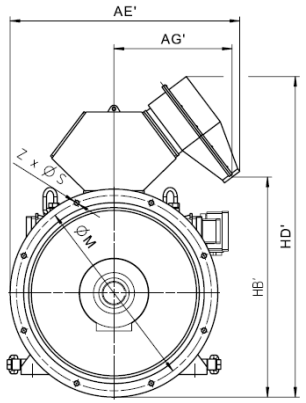


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 452-4AA64-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AA64-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AA64-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AA64-4AA0	5800	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AA64-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-4AA64-4AA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-4AA64-4CA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AA64-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AA64-4CA0	7300	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AA64-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AA64-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 560-4AA64-4CA0	8900	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 560-4AA64-4AA0	8700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AA64-4AA0	9100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AA64-4CA0	9400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AA64-4AA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AA64-4CA0	9900	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AA64-4AA0	10000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AA64-4CA0	10400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 352-6AA64-4AA0	2900	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 354-6AA64-4AA0	2900	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 356-6AA64-4AA0	3300	925	431	100	872	1004	2101	2416	740	680	800	24	8

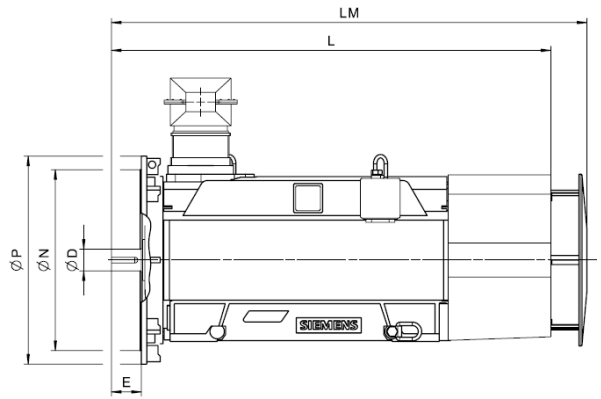
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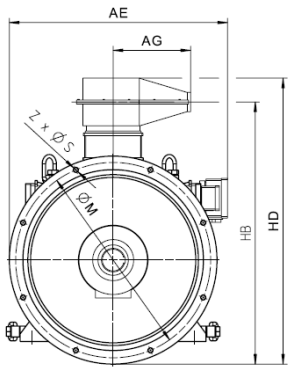


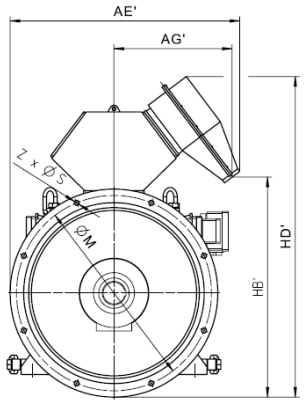




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 358-6AA64-4AA0	3500	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-6AA64-4CA0	4500	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 404-6AA64-4AA0	4400	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-6AA64-4CA0	4800	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-6AA64-4AA0	4600	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 452-6AA64-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-6AA64-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AA64-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AA64-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AA64-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AA64-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 500-6AA64-4AA0	6500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 500-6AA64-4CA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AA64-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AA64-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AA64-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AA64-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AA64-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AA64-4CA0	7900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-6AA64-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-6AA64-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-6AA64-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
8-pole													







Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 354-8AA64-4AA0	2800	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 356-8AA64-4AA0	3300	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 358-8AA64-4AA0	3500	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-8AA64-4AA0	4300	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 404-8AA64-4CA0	4500	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-8AA64-4AA0	4600	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-8AA64-4CA0	4700	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 452-8AA64-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-8AA64-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AA64-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AA64-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AA64-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AA64-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-8AA64-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-8AA64-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AA64-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AA64-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AA64-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AA64-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-8AA64-4CA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-8AA64-4CA0	10200	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-8AA64-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3600 rpm at 60 Hz																		
280	**1NB1 350-2AA10-4AA0**	3576	32	94.9	94.8	95.5	95.0	0.81	0.84	0.82	0.78	748	2.20	1.05	5.1		4	25	1.00
330	**1NB1 352-2AA10-4AA0**	3578	36	95.3	95.3	95.9	95.4	0.83	0.85	0.83	0.78	881	2.40	1.15	5.5		4	35	1.00
400	**1NB1 354-2AA10-4AA0**	3575	44	95.1	95.6	95.7	95.1	0.83	0.86	0.84	0.82	1068	2.20	1.10	5.0		5	35	1.00
450	**1NB1 356-2AA10-4AA0**	3578	48	95.7	95.8	96.4	96.1	0.85	0.87	0.86	0.82	1201	2.40	1.20	5.6		5	40	1.00
500	**1NB1 358-2AA10-4AA0**	3578	52	95.6	95.9	96.1	95.6	0.86	0.88	0.86	0.83	1334	2.50	1.25	5.7		6	50	1.00
800	**1NB1 402-2AA10-4C.0**	3576	84	96.0	96.2	96.3	95.7	0.87	0.87	0.86	0.82	2136	2.35	0.65	5.2		11	45	1.00
800	**1NB1 402-2AA10-4A.0**	3578	85	96.0	96.2	96.3	95.7	0.85	0.86	0.85	0.81	2135	2.20	0.95	4.9		9	20	0.70
820	**1NB1 404-2AA10-4C.0**	3577	84	96.1	96.3	96.4	95.8	0.89	0.89	0.88	0.83	2189	2.50	0.65	5.6		12	60	1.00
820	**1NB1 404-2AA10-4A.0**	3579	85	96.1	96.3	96.3	95.8	0.87	0.88	0.87	0.83	2188	2.40	1.00	5.3		10	20	0.80
920	**1NB1 406-2AA10-4A.0**	3579	95	96.2	96.5	96.5	96.0	0.88	0.88	0.87	0.84	2455	2.45	1.10	5.3		11	20	0.90
920	**1NB1 406-2AA10-4C.0**	3577	94	96.2	96.5	96.6	96.1	0.89	0.89	0.88	0.84	2456	2.50	0.70	5.6		14	65	1.00
1000	**1NB1 452-2AA10-4AC0**	3579	104	96.3	96.6	96.7	96.3	0.85	0.87	0.87	0.85	2668	2.00	1.05	4.9		13	5	0.40
1000	**1NB1 452-2AA10-4CC0**	3578	102	96.2	96.5	96.5	96.0	0.88	0.89	0.89	0.86	2669	2.20	0.75	5.2		17	70	0.90
1120	**1NB1 454-2AA10-4AC0**	3580	116	96.5	96.8	96.9	96.5	0.86	0.88	0.88	0.85	2987	2.05	1.10	5.0		14	5	0.40
1120	**1NB1 454-2AA10-4C.0**	3579	112	96.4	96.7	96.8	96.3	0.89	0.90	0.89	0.86	2988	2.25	0.75	5.3		19	70	0.95
1160	**1NB1 456-2AA10-4AC0**	3581	118	96.6	96.9	97.0	96.6	0.87	0.89	0.88	0.86	3093	2.20	1.25	5.4		16	10	0.70
1170	**1NB1 456-2AA10-4C.0**	3580	118	96.6	96.8	96.9	96.4	0.89	0.90	0.90	0.86	3121	2.40	0.80	5.6		21	85	1.00
1330	**1NB1 502-2AA10-4CC0**	3585	136	96.5	96.5	96.4	95.6	0.88	0.89	0.89	0.85	3543	2.60	0.65	5.6		26	105	0.85
1500	**1NB1 504-2AA10-4CC0**	3585	150	96.7	96.7	96.6	95.9	0.89	0.90	0.89	0.86	3996	2.75	0.65	6.0		29	110	0.90
1610	**1NB1 506-2AA10-4CC0**	3587	160	96.8	96.9	96.7	96.0	0.91	0.91	0.90	0.85	4286	3.10	0.70	6.7		33	130	1.00
1810	**1NB1 564-2AA10-4CC0**	3588	180	96.8	96.8	96.6	95.8	0.90	0.91	0.91	0.88	4817	2.45	0.55	5.5		50	250	0.70
2050	**1NB1 566-2AA10-4CC0**	3588	205	97.0	97.1	96.9	96.1	0.91	0.91	0.91	0.89	5456	2.60	0.55	5.8		55	250	0.75
4-pole: n_{sync} = 1800 rpm at 60 Hz																		
300	**1NB1 350-4AA10-4AA0**	1783	34	94.8	94.7	95.5	95.1	0.82	0.82	0.80	0.73	1607	2.45	1.20	5.2		5	200	1.00
330	**1NB1 352-4AA10-4AA0**	1784	36	95.1	95.0	95.7	95.2	0.83	0.83	0.80	0.73	1766	2.55	1.30	5.6		5	250	1.00
370	**1NB1 354-4AA10-4AA0**	1785	41	95.0	95.1	95.4	94.8	0.84	0.84	0.81	0.74	1979	2.65	1.35	5.8		6	300	1.00
440	**1NB1 356-4AA10-4AA0**	1785	48	95.2	95.4	95.7	95.2	0.84	0.85	0.82	0.75	2354	2.70	1.40	5.9		7	350	1.00
550	**1NB1 358-4AA10-4AA0**	1785	59	95.6	95.7	96.1	95.6	0.85	0.86	0.83	0.76	2942	2.70	1.40	5.9		8	350	1.00
810	**1NB1 404-4AA10-4A.0**	1787	88	95.9	96.3	96.4	96.1	0.83	0.84	0.83	0.78	4328	2.20	1.00	4.7		12	125	1.00
830	**1NB1 404-4AA10-4C.0**	1787	89	96.0	96.4	96.5	96.2	0.85	0.85	0.84	0.79	4435	2.35	0.60	4.9		15	250	1.00
870	**1NB1 406-4AA10-4A.0**	1788	93	96.1	96.4	96.5	96.1	0.84	0.85	0.83	0.78	4646	2.35	1.10	5.1		13	150	1.00
900	**1NB1 406-4AA10-4C.0**	1788	96	96.2	96.5	96.6	96.3	0.85	0.85	0.84	0.79	4807	2.50	0.65	5.3		17	300	1.00
1020	**1NB1 452-4AA10-4A.0**	1789	112	96.2	96.6	96.7	96.2	0.82	0.83	0.81	0.76	5445	2.10	1.05	4.9		20	150	0.90
1030	**1NB1 452-4AA10-4C.0**	1790	112	96.2	96.6	96.6	96.1	0.84	0.84	0.83	0.77	5495	2.25	0.60	5.3		25	350	1.00
1120	**1NB1 454-4AA10-4A.0**	1789	122	96.3	96.7	96.8	96.3	0.82	0.83	0.81	0.75	5978	2.15	1.05	5.0		22	150	0.90
1150	**1NB1 454-4AA10-4C.0**	1790	124	96.3	96.7	96.7	96.3	0.83	0.84	0.83	0.77	6135	2.25	0.60	5.3		28	400	0.95

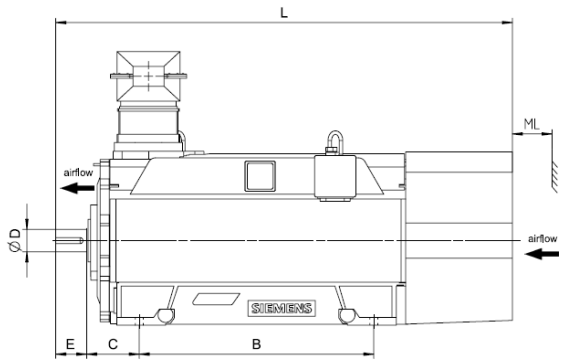
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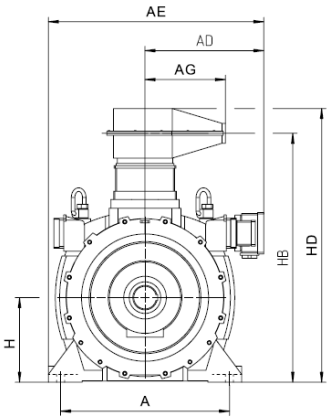
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
1170	**1NB1 456-4AA10-4A.0**	1791	126	96.5	96.8	96.8	96.3	0.84	0.84	0.81	0.74	6238	2.50	1.25	5.7	25	250	1.00
1200	**1NB1 456-4AA10-4C.0**	1792	128	96.5	96.8	96.8	96.2	0.86	0.85	0.83	0.76	6395	2.65	0.75	6.1	32	500	1.00
1350	**1NB1 502-4AA10-4A.0**	1789	146	96.0	96.2	96.2	95.5	0.82	0.84	0.84	0.79	7206	1.95	0.80	4.6	29	150	0.70
1400	**1NB1 502-4AA10-4C.0**	1790	150	96.2	96.4	96.4	95.8	0.83	0.85	0.85	0.81	7469	2.00	0.55	4.9	37	350	0.85
1470	**1NB1 504-4AA10-4A.0**	1791	156	96.3	96.4	96.3	95.6	0.84	0.85	0.83	0.77	7838	2.30	1.00	5.4	33	150	0.90
1520	**1NB1 504-4AA10-4C.0**	1792	160	96.5	96.6	96.5	95.8	0.86	0.86	0.85	0.79	8100	2.40	0.65	5.9	42	500	1.00
1670	**1NB1 506-4AA10-4A.0**	1791	178	96.5	96.7	96.5	95.9	0.85	0.85	0.84	0.78	8904	2.35	0.95	5.5	38	200	0.90
1720	**1NB1 506-4AA10-4C.0**	1792	180	96.7	96.8	96.7	96.1	0.86	0.86	0.85	0.79	9166	2.45	0.65	6.0	48	600	1.00
1800	**1NB1 560-4AA10-4A.0**	1791	194	96.2	96.3	96.1	95.1	0.81	0.84	0.83	0.79	9597	1.90	0.80	4.8	49	300	0.75
1800	**1NB1 560-4AA10-4C.0**	1791	192	96.3	96.5	96.3	95.4	0.82	0.85	0.84	0.80	9597	1.95	0.55	5.1	65	500	0.85
2100	**1NB1 562-4AA10-4A.0**	1792	225	96.6	96.7	96.4	95.5	0.82	0.84	0.83	0.78	11191	2.00	0.85	5.2	55	250	0.80
2150	**1NB1 562-4AA10-4C.0**	1792	230	96.7	96.8	96.7	95.9	0.83	0.85	0.85	0.80	11457	2.05	0.55	5.3	72	550	0.90
2250	**1NB1 564-4AA10-4A.0**	1792	240	96.7	96.8	96.6	95.7	0.84	0.85	0.84	0.79	11990	2.15	0.90	5.4	60	300	0.90
2300	**1NB1 564-4AA10-4C.0**	1792	240	96.9	97.0	96.8	96.1	0.85	0.87	0.86	0.81	12256	2.20	0.60	5.7	79	650	0.95
2500	**1NB1 566-4AA10-4A.0**	1793	260	96.9	97.0	96.7	95.9	0.84	0.86	0.84	0.78	13315	2.30	0.95	5.8	67	300	0.95
2550	**1NB1 566-4AA10-4C.0**	1793	265	97.0	97.1	97.0	96.2	0.85	0.87	0.86	0.80	13581	2.35	0.65	6.1	88	800	1.00
6-pole: n_{sync} = 1200 rpm at 60 Hz																		
270	**1NB1 352-6AA10-4AA0**	1190	32	94.6	95.2	95.3	94.7	0.80	0.80	0.76	0.68	2167	2.55	1.20	5.3	11	300	1.00
300	**1NB1 354-6AA10-4AA0**	1189	35	94.8	95.3	95.5	95.1	0.79	0.80	0.76	0.69	2409	2.40	1.10	5.1	11	350	1.00
350	**1NB1 356-6AA10-4AA0**	1190	40	95.0	95.5	95.7	95.3	0.80	0.81	0.77	0.70	2809	2.45	1.15	5.2	13	400	1.00
420	**1NB1 358-6AA10-4AA0**	1190	48	95.2	95.7	95.9	95.5	0.81	0.81	0.77	0.70	3370	2.55	1.15	5.3	15	500	1.00
660	**1NB1 404-6AA10-4C.0**	1193	73	95.8	96.1	96.3	95.7	0.83	0.82	0.79	0.70	5283	2.60	0.90	5.5	27	450	1.00
660	**1NB1 404-6AA10-4A.0**	1192	74	95.8	96.2	96.3	95.9	0.81	0.81	0.78	0.69	5287	2.60	1.30	5.7	22	550	1.00
710	**1NB1 406-6AA10-4C.0**	1194	78	95.9	96.2	96.3	95.7	0.84	0.83	0.79	0.70	5678	2.70	0.90	5.7	31	450	1.00
710	**1NB1 406-6AA10-4A.0**	1193	79	95.9	96.2	96.4	95.9	0.82	0.82	0.78	0.70	5683	2.65	1.30	5.8	25	600	1.00
730	**1NB1 452-6AA10-4A.0**	1191	83	95.6	96.2	96.3	96.0	0.78	0.80	0.79	0.74	5853	1.90	0.85	4.8	28	1200	0.90
750	**1NB1 452-6AA10-4C.0**	1191	82	95.9	96.3	96.5	96.2	0.82	0.83	0.82	0.77	6013	2.10	0.60	4.5	36	800	0.95
800	**1NB1 454-6AA10-4A.0**	1193	90	96.0	96.4	96.4	95.9	0.81	0.81	0.79	0.73	6404	2.20	1.05	5.4	32	1050	1.00
830	**1NB1 454-6AA10-4C.0**	1192	90	96.1	96.5	96.5	96.2	0.84	0.84	0.82	0.75	6649	2.30	0.70	5.0	41	850	1.00
900	**1NB1 456-6AA10-4A.0**	1194	100	96.3	96.5	96.4	95.9	0.81	0.81	0.78	0.69	7198	2.55	1.20	6.4	37	1600	1.00
950	**1NB1 456-6AA10-4C.0**	1194	104	96.4	96.6	96.6	96.1	0.84	0.83	0.80	0.72	7598	2.65	0.75	5.7	47	1250	1.00
980	**1NB1 500-6AA10-4A.0**	1192	110	95.8	96.3	96.6	96.3	0.80	0.81	0.81	0.76	7851	1.90	1.15	5.2	47	600	0.85
1060	**1NB1 500-6AA10-4C.0**	1194	112	96.1	96.5	96.6	96.3	0.86	0.86	0.85	0.80	8478	2.15	0.60	5.3	60	800	0.85
1200	**1NB1 502-6AA10-4A.0**	1192	134	96.1	96.6	96.8	96.6	0.80	0.81	0.81	0.76	9613	1.95	1.15	5.3	53	300	0.90
1270	**1NB1 502-6AA10-4C.0**	1194	134	96.4	96.7	96.9	96.6	0.86	0.86	0.84	0.79	10157	2.25	0.55	5.5	68	900	0.90
1300	**1NB1 504-6AA10-4A.0**	1193	144	96.3	96.7	96.9	96.6	0.82	0.82	0.81	0.76	10406	2.10	1.30	5.7	60	400	0.95
1370	**1NB1 504-6AA10-4C.0**	1195	144	96.6	96.9	97.0	96.6	0.87	0.86	0.85	0.79	10948	2.40	0.65	6.0	76	950	1.00

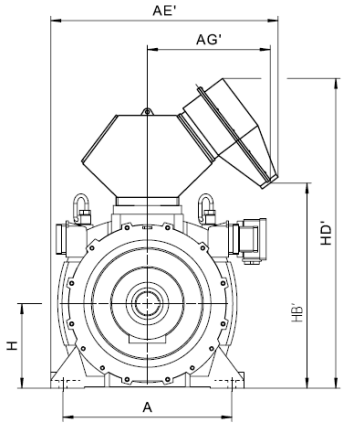
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SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
1400	**1NB1 506-6AA10-4A.0**	1193	152	96.5	96.8	97.0	96.7	0.83	0.83	0.82	0.76	11206	2.20	1.30		5.9		68	550	1.00
1500	**1NB1 506-6AA10-4C.0**	1195	156	96.7	97.0	97.1	96.8	0.87	0.87	0.85	0.79	11987	2.45	0.65		6.1		86	1100	1.00
1900	**1NB1 562-6AA10-4C.0**	1194	196	96.9	97.2	97.2	96.9	0.87	0.87	0.87	0.83	15196	2.40	0.50		4.9		120	1250	0.80
2200	**1NB1 564-6AA10-4C.0**	1194	225	97.0	97.3	97.4	97.1	0.87	0.87	0.87	0.83	17595	2.30	0.45		4.8		137	1400	0.75
2250	**1NB1 566-6AA10-4C.0**	1195	230	97.1	97.3	97.4	97.0	0.87	0.88	0.87	0.82	17980	2.60	0.55		5.4		152	1900	0.90
8-pole: n_{sync} = 900 rpm at 60 Hz																				
180	**1NB1 354-8AA10-4AA0**	888	21	93.2	94.2	94.5	94.2	0.79	0.79	0.75	0.67	1936	2.45	0.85		4.7		10	350	1.00
220	**1NB1 356-8AA10-4AA0**	889	26	93.7	94.6	94.9	94.6	0.80	0.80	0.75	0.66	2363	2.65	0.95		5.0		12	450	1.00
280	**1NB1 358-8AA10-4AA0**	890	32	94.2	94.9	95.2	94.8	0.80	0.79	0.74	0.64	3004	2.85	1.00		5.3		15	700	1.00
510	**1NB1 404-8AA10-4A.0**	892	58	95.4	95.9	96.1	95.7	0.80	0.80	0.76	0.67	5460	2.35	0.95		4.9		22	1100	1.00
520	**1NB1 404-8AA10-4C.0**	893	59	95.5	95.9	96.0	95.5	0.81	0.80	0.75	0.65	5561	2.15	0.75		4.2		27	900	1.00
570	**1NB1 406-8AA10-4A.0**	891	65	95.5	96.1	96.2	95.8	0.81	0.80	0.77	0.68	6109	2.35	0.95		4.9		25	1250	1.00
570	**1NB1 406-8AA10-4C.0**	893	65	95.7	96.1	96.1	95.6	0.81	0.80	0.76	0.66	6095	2.20	0.75		4.3		31	1150	1.00
660	**1NB1 452-8AA10-4A.0**	892	78	95.1	95.8	96.1	95.7	0.76	0.77	0.76	0.70	7066	1.90	0.85		4.2		28	1450	1.00
680	**1NB1 452-8AA10-4C.0**	892	78	95.3	95.9	96.1	95.7	0.80	0.80	0.78	0.72	7280	1.95	0.60		3.7		36	1200	0.85
720	**1NB1 454-8AA10-4A.0**	892	84	95.4	96.0	96.2	95.8	0.78	0.78	0.77	0.70	7708	2.00	0.90		4.3		32	1700	1.00
730	**1NB1 454-8AA10-4C.0**	893	82	95.6	96.1	96.2	95.7	0.81	0.81	0.78	0.71	7806	2.00	0.65		3.9		41	1350	0.90
760	**1NB1 456-8AA10-4A.0**	893	88	95.6	96.1	96.2	95.8	0.79	0.79	0.77	0.70	8127	2.15	0.95		4.7		37	2100	1.00
770	**1NB1 456-8AA10-4C.0**	894	86	95.8	96.2	96.2	95.7	0.81	0.81	0.78	0.71	8225	2.20	0.70		4.2		47	1400	1.00
800	**1NB1 502-8AA10-4A.0**	894	91	95.5	96.0	95.9	95.5	0.80	0.80	0.78	0.71	8545	2.10	0.70		5.2		52	1900	0.95
820	**1NB1 502-8AA10-4C.0**	894	89	95.5	95.8	95.7	95.1	0.85	0.84	0.81	0.73	8759	2.40	0.70		5.3		67	1500	1.00
860	**1NB1 504-8AA10-4A.0**	895	97	95.6	96.0	95.9	95.4	0.81	0.81	0.78	0.70	9176	2.30	0.75		5.6		59	1750	1.00
860	**1NB1 504-8AA10-4C.0**	895	93	95.6	95.9	95.6	94.9	0.86	0.84	0.80	0.71	9176	2.70	0.80		5.9		76	1700	1.00
930	**1NB1 506-8AA10-4A.0**	895	106	95.8	96.1	95.9	95.3	0.82	0.80	0.76	0.67	9923	2.60	0.90		6.3		66	2250	1.00
930	**1NB1 506-8AA10-4C.0**	896	102	95.8	95.9	95.6	94.8	0.85	0.83	0.78	0.68	9912	3.00	0.90		6.6		85	2000	1.00
1200	**1NB1 562-8AA10-4C.0**	895	130	96.5	96.7	96.7	96.2	0.84	0.84	0.82	0.75	12804	2.45	0.55		4.9		120	3500	0.95
1400	**1NB1 564-8AA10-4C.0**	894	148	96.5	96.8	96.9	96.5	0.84	0.85	0.84	0.78	14954	2.20	0.50		4.5		136	3600	0.80
1500	**1NB1 566-8AA10-4C.0**	895	162	96.6	96.9	96.9	96.4	0.85	0.84	0.82	0.75	16004	2.50	0.55		5.0		152	3450	0.95

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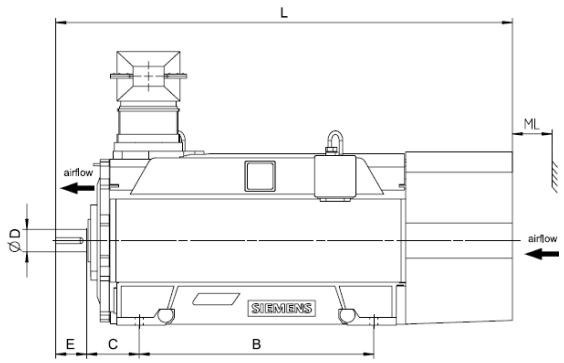


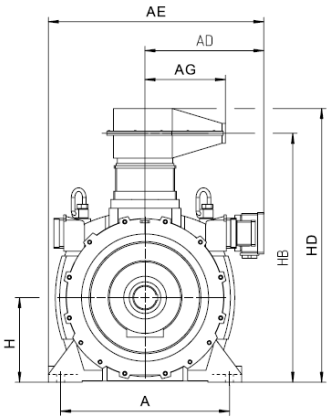


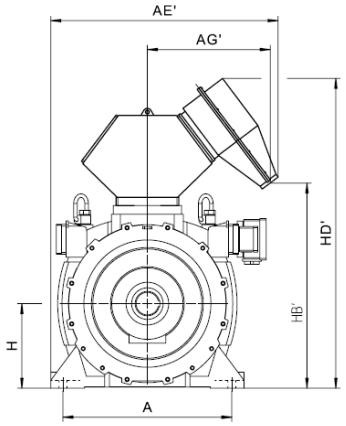


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 350-2AA10-4AA0	2500	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 352-2AA10-4AA0	2600	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 354-2AA10-4AA0	2900	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 356-2AA10-4AA0	3000	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 358-2AA10-4AA0	3100	630	500	767	915	1157	431	729	1000	254	75	140	355	1227	943	1359	1500	2031	150
1NB1 402-2AA10-4C.0	3900	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 402-2AA10-4A.0	3800	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 404-2AA10-4C.0	4000	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 404-2AA10-4A.0	3900	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 406-2AA10-4A.0	4100	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 406-2AA10-4C.0	4200	800	541	737	991	1187	525	693	1120	254	85	130	400	1237	951	1363	1555	2147	160
1NB1 452-2AA10-4AC0	5000	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 452-2AA10-4CC0	5200	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 454-2AA10-4AC0	5300	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 454-2AA10-4C.0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AA10-4AC0	5500	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 456-2AA10-4C.0	5400	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 502-2AA10-4CC0	6800	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 504-2AA10-4CC0	7100	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 506-2AA10-4CC0	7600	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 564-2AA10-4CC0	9000	1120	684	737	1319	1372	525	693	1400	600	120	165	560	1565	1279	1691	1883	2913	225
1NB1 566-2AA10-4CC0	9400	1120	684	737	1319	1372	525	693	1400	600	120	165	560	1565	1279	1691	1883	2913	225

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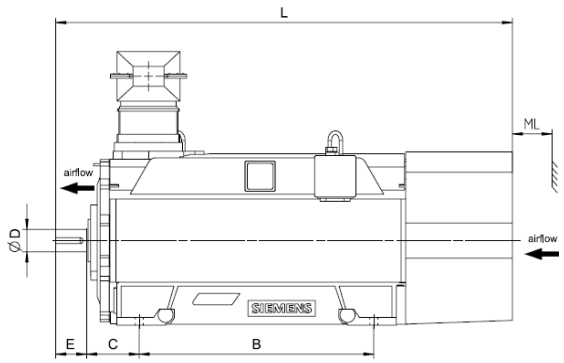


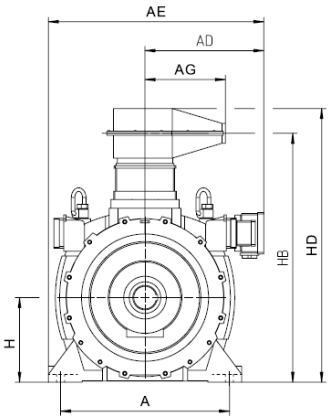


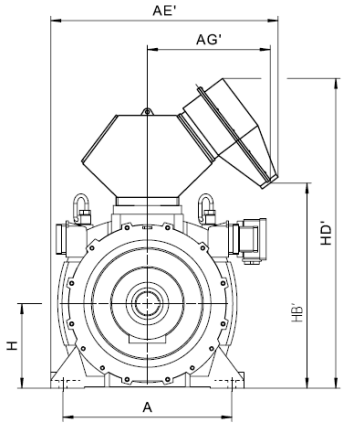


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
4-pole																			
1NB1 350-4AA10-4AA0	2500	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 352-4AA10-4AA0	2600	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 354-4AA10-4AA0	3000	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 356-4AA10-4AA0	3100	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 358-4AA10-4AA0	3400	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 404-4AA10-4A.0	4100	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 404-4AA10-4C.0	4200	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-4AA10-4A.0	4300	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-4AA10-4C.0	4400	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 452-4AA10-4A.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-4AA10-4C.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AA10-4A.0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AA10-4C.0	5400	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AA10-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AA10-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-4AA10-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-4AA10-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AA10-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AA10-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AA10-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AA10-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 560-4AA10-4A.0	8300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

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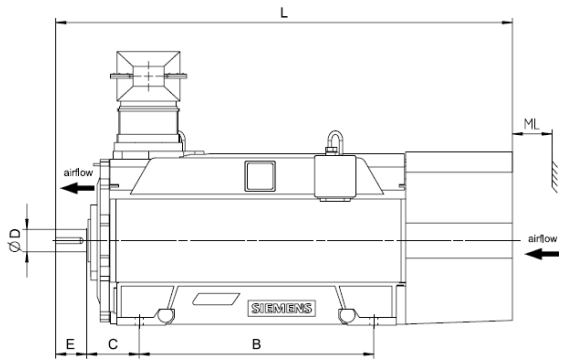


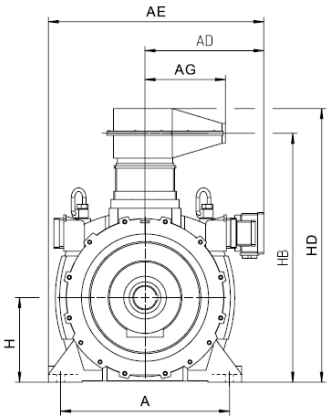


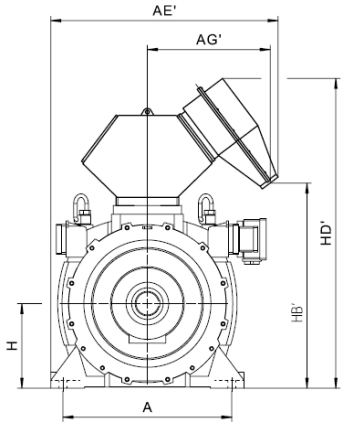


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 560-4AA10-4C.0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AA10-4A.0	8800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AA10-4C.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AA10-4A.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AA10-4C.0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AA10-4A.0	9600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AA10-4C.0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
6-pole																			
1NB1 352-6AA10-4AA0	2800	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 354-6AA10-4AA0	2800	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 356-6AA10-4AA0	3200	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 358-6AA10-4AA0	3400	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 404-6AA10-4C.0	4300	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 404-6AA10-4A.0	4200	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-6AA10-4C.0	4600	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-6AA10-4A.0	4400	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 452-6AA10-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-6AA10-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AA10-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AA10-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AA10-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AA10-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 500-6AA10-4A.0	6200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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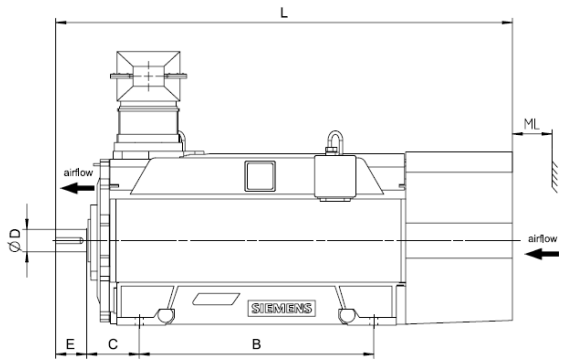


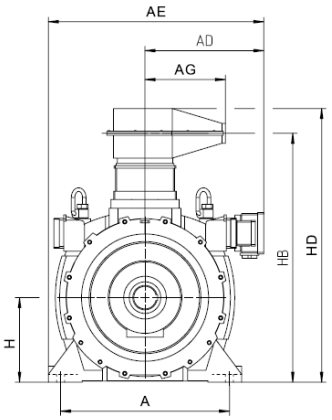


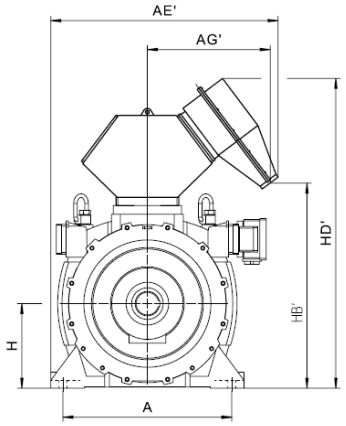


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 500-6AA10-4C.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AA10-4A.0	6600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AA10-4C.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AA10-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AA10-4C.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AA10-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AA10-4C.0	7600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-6AA10-4C.0	9300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-6AA10-4C.0	9900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-6AA10-4C.0	10500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
8-pole																			
1NB1 354-8AA10-4AA0	2800	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 356-8AA10-4AA0	3200	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 358-8AA10-4AA0	3400	630	500	767	915	1157	431	729	1000	254	100	210	355	1227	943	1359	1500	2101	150
1NB1 404-8AA10-4A.0	4100	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 404-8AA10-4C.0	4300	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-8AA10-4A.0	4400	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 406-8AA10-4C.0	4600	800	541	737	991	1187	525	693	1120	254	120	165	400	1237	951	1363	1555	2242	160
1NB1 452-8AA10-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-8AA10-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AA10-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AA10-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AA10-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180

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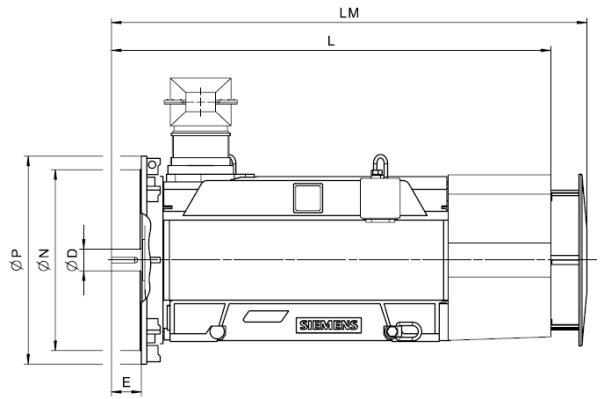


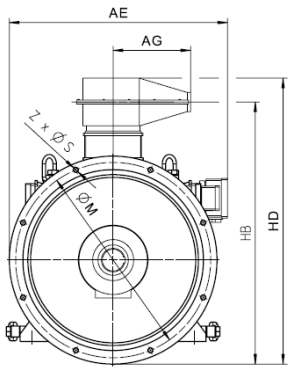


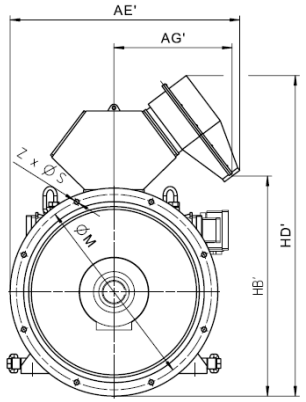


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 456-8AA10-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-8AA10-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-8AA10-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AA10-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AA10-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AA10-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AA10-4C.0	7600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-8AA10-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-8AA10-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-8AA10-4C.0	10300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

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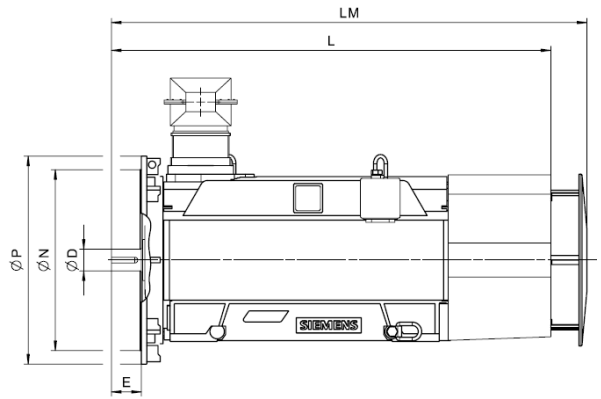


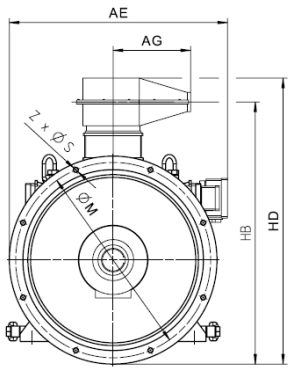


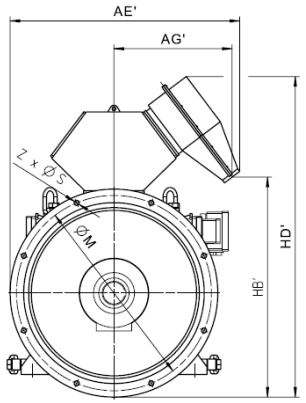


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NB1 350-2AA14-4AA0	2500	925	431	75	872	1004	2031	2036	740	680	800	24	8
1NB1 352-2AA14-4AA0	2600	925	431	75	872	1004	2031	2036	740	680	800	24	8
1NB1 354-2AA14-4AA0	3000	925	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 356-2AA14-4AA0	3100	925	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 358-2AA14-4AA0	3200	925	431	75	872	1004	2031	2296	740	680	800	24	8
4-pole													
1NB1 350-4AA14-4AA0	2600	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 352-4AA14-4AA0	2700	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 354-4AA14-4AA0	3000	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 356-4AA14-4AA0	3200	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 358-4AA14-4AA0	3400	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-4AA14-4AA0	4300	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 404-4AA14-4CA0	4400	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-4AA14-4AA0	4400	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-4AA14-4CA0	4600	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 452-4AA14-4AA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-4AA14-4CA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AA14-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AA14-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AA14-4AA0	5800	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AA14-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-4AA14-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16

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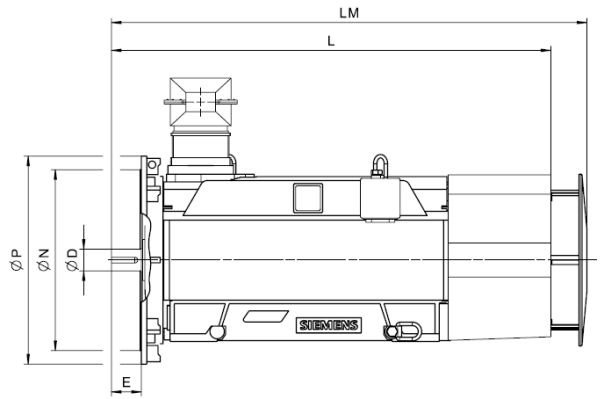


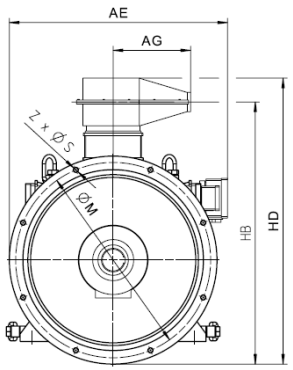


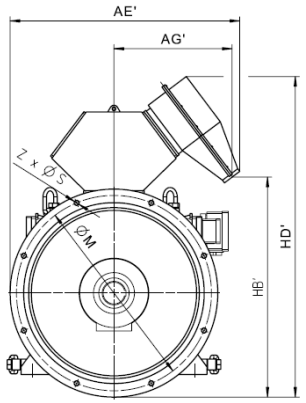


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 502-4AA14-4CA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AA14-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AA14-4CA0	7300	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AA14-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AA14-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 560-4AA14-4AA0	8700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 560-4AA14-4CA0	9000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AA14-4AA0	9100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AA14-4CA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AA14-4AA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AA14-4CA0	9900	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AA14-4AA0	10000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AA14-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 352-6AA14-4AA0	2900	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 354-6AA14-4AA0	2900	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 356-6AA14-4AA0	3300	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 358-6AA14-4AA0	3500	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-6AA14-4CA0	4500	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 404-6AA14-4AA0	4300	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-6AA14-4CA0	4700	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-6AA14-4AA0	4600	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 452-6AA14-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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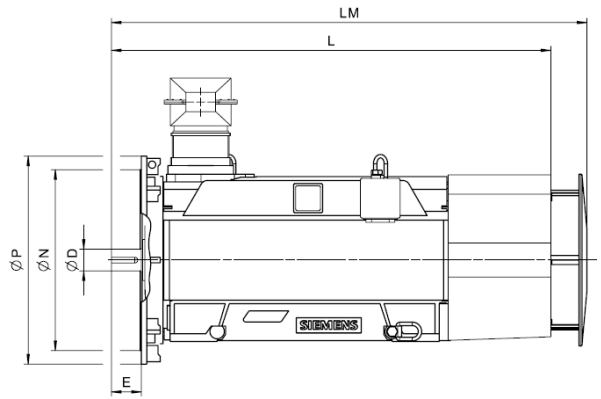


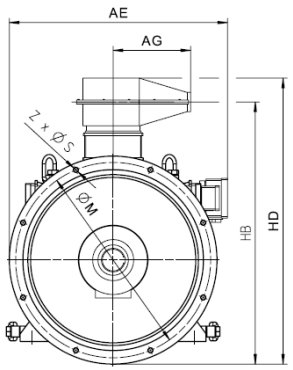


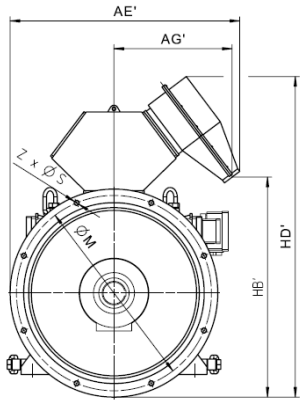


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 452-6AA14-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AA14-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AA14-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AA14-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AA14-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 500-6AA14-4AA0	6500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 500-6AA14-4CA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AA14-4AA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AA14-4CA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AA14-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AA14-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AA14-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AA14-4CA0	7900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-6AA14-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-6AA14-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-6AA14-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 354-8AA14-4AA0	2800	925	431	100	872	1004	2101	2156	740	680	800	24	8
1NB1 356-8AA14-4AA0	3300	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 358-8AA14-4AA0	3500	925	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-8AA14-4AA0	4300	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 404-8AA14-4CA0	4500	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 406-8AA14-4AA0	4600	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 406-8AA14-4CA0	4700	1041	525	120	1337	1463	2242	2392	940	880	1000	24	8
1NB1 452-8AA14-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-8AA14-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AA14-4AA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AA14-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AA14-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AA14-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-8AA14-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-8AA14-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AA14-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AA14-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AA14-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AA14-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-8AA14-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-8AA14-4CA0	10200	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-8AA14-4CA0	10700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
260	**1NB1 354-2AA80-4AA0**	2977	19	94.3	95.1	95.3	94.9	0.84	0.86	0.85	0.82	834	2.25	1.05	5.0		5	30	1.00
330	**1NB1 356-2AA80-4AA0**	2979	23	94.8	95.5	95.7	95.4	0.85	0.86	0.85	0.82	1058	2.40	1.20	5.4		5	35	1.00
380	**1NB1 358-2AA80-4AA0**	2979	26	95.0	95.7	96.0	95.7	0.86	0.87	0.86	0.83	1218	2.45	1.25	5.5		6	35	1.00
520	**1NB1 402-2AA80-4A.0**	2980	36	95.4	95.7	95.9	95.5	0.87	0.87	0.86	0.81	1666	2.50	1.00	5.3		9	40	1.00
510	**1NB1 402-2AA80-4C.0**	2977	36	95.2	95.6	95.8	95.4	0.87	0.87	0.86	0.80	1636	2.50	0.70	5.1		11	45	1.00
550	**1NB1 404-2AA80-4A.0**	2980	38	95.5	95.9	96.1	95.7	0.87	0.87	0.87	0.82	1762	2.50	1.05	5.4		10	45	1.00
550	**1NB1 404-2AA80-4C.0**	2977	38	95.3	95.8	96.0	95.6	0.88	0.88	0.87	0.82	1764	2.45	0.65	5.1		12	40	1.00
660	**1NB1 406-2AA80-4A.0**	2983	45	95.9	96.2	96.3	95.9	0.89	0.88	0.87	0.81	2113	2.90	1.15	6.2		11	55	1.00
650	**1NB1 406-2AA80-4C.0**	2982	44	95.9	96.2	96.2	95.7	0.89	0.88	0.85	0.78	2082	3.00	0.85	6.3		13	75	1.00
800	**1NB1 452-2AA80-4C.0**	2981	54	96.1	96.5	96.6	96.3	0.89	0.89	0.88	0.84	2563	2.55	0.90	5.9		16	115	1.00
800	**1NB1 452-2AA80-4A.0**	2984	55	96.4	96.7	96.8	96.4	0.87	0.87	0.86	0.81	2560	2.50	1.25	5.9		13	55	1.00
860	**1NB1 454-2AA80-4C.0**	2981	57	96.3	96.6	96.8	96.4	0.90	0.90	0.89	0.85	2755	2.55	0.90	6.0		18	130	1.00
860	**1NB1 454-2AA80-4A.0**	2985	58	96.5	96.9	96.9	96.5	0.88	0.88	0.87	0.82	2751	2.65	1.35	6.2		15	65	1.00
930	**1NB1 456-2AA80-4A.0**	2984	62	96.5	96.9	97.0	96.7	0.90	0.90	0.89	0.84	2976	2.70	1.30	6.3		16	50	1.00
930	**1NB1 456-2AA80-4C.0**	2984	61	96.5	96.8	96.9	96.5	0.91	0.91	0.89	0.85	2976	2.85	0.90	6.6		20	145	1.00
1050	**1NB1 502-2AA80-4A.0**	2984	71	96.3	96.6	96.7	96.3	0.87	0.88	0.88	0.85	3360	2.40	0.65	5.2		21	65	0.80
1060	**1NB1 502-2AA80-4C.0**	2985	70	96.3	96.5	96.5	96.0	0.89	0.90	0.89	0.85	3391	2.65	0.65	5.6		27	150	0.95
1200	**1NB1 504-2AA80-4A.0**	2985	80	96.6	96.9	96.9	96.5	0.88	0.89	0.88	0.85	3839	2.60	0.80	5.6		23	75	0.90
1220	**1NB1 504-2AA80-4C.0**	2986	81	96.6	96.8	96.8	96.3	0.90	0.90	0.89	0.85	3902	2.85	0.70	6.1		30	150	1.00
1300	**1NB1 506-2AA80-4A.0**	2986	87	96.8	97.0	97.0	96.7	0.89	0.89	0.89	0.85	4157	2.75	0.85	5.9		27	90	0.95
1350	**1NB1 506-2AA80-4C.0**	2986	88	96.8	97.0	97.0	96.5	0.91	0.91	0.90	0.86	4317	2.95	0.75	6.2		33	150	1.00
1370	**1NB1 564-2AA80-4C.0**	2988	90	96.7	96.9	96.8	96.2	0.90	0.91	0.91	0.88	4378	2.50	0.60	5.5		50	300	0.75
1620	**1NB1 566-2AA80-4C.0**	2988	106	97.0	97.1	97.1	96.6	0.91	0.91	0.91	0.88	5177	2.60	0.60	5.7		55	350	0.80
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
320	**1NB1 356-4AA80-4AA0**	1484	23	94.3	95.1	95.5	95.3	0.84	0.85	0.83	0.79	2059	2.45	1.25	5.3		7	200	1.00
400	**1NB1 358-4AA80-4AA0**	1484	28	94.4	95.4	95.4	95.1	0.86	0.87	0.85	0.80	2574	2.50	1.35	5.5		8	200	1.00
570	**1NB1 404-4AA80-4A.0**	1489	41	95.4	95.9	96.1	95.8	0.85	0.84	0.82	0.76	3656	2.55	1.20	5.3		12	350	1.00
570	**1NB1 404-4AA80-4C.0**	1489	41	95.5	95.9	96.2	95.8	0.85	0.84	0.82	0.76	3656	2.55	0.65	5.2		15	200	1.00
630	**1NB1 406-4AA80-4A.0**	1488	44	95.6	96.1	96.3	96.0	0.85	0.85	0.83	0.77	4043	2.50	1.15	5.2		13	450	1.00
650	**1NB1 406-4AA80-4C.0**	1489	46	95.6	96.1	96.4	96.1	0.84	0.85	0.83	0.77	4169	2.40	0.60	5.0		17	250	1.00
670	**1NB1 450-4AA80-4A.0**	1489	48	95.5	96.1	96.3	96.0	0.82	0.83	0.81	0.75	4297	2.15	1.00	4.9		18	350	0.95
660	**1NB1 450-4AA80-4C.0**	1490	47	95.6	96.1	96.3	95.9	0.84	0.84	0.82	0.75	4230	2.35	0.70	5.3		23	300	1.00
750	**1NB1 452-4AA80-4A.0**	1491	54	95.9	96.3	96.4	96.0	0.83	0.83	0.80	0.73	4803	2.45	1.20	5.6		20	400	1.00
750	**1NB1 452-4AA80-4C.0**	1491	54	95.9	96.3	96.4	95.9	0.85	0.84	0.81	0.73	4803	2.65	0.80	6.1		25	350	1.00
850	**1NB1 454-4AA80-4A.0**	1490	61	96.1	96.5	96.7	96.3	0.83	0.83	0.81	0.74	5448	2.40	1.15	5.5		22	500	1.00
860	**1NB1 454-4AA80-4C.0**	1491	61	96.2	96.5	96.6	96.2	0.85	0.85	0.82	0.75	5508	2.60	0.75	6.0		28	450	1.00

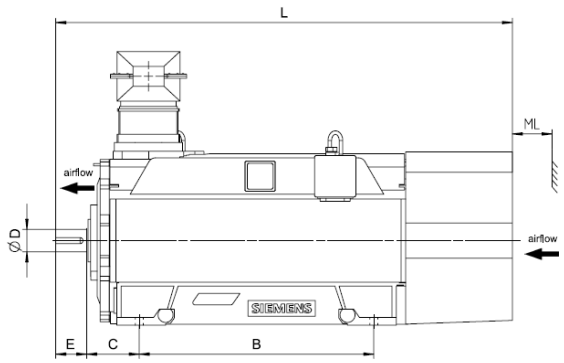
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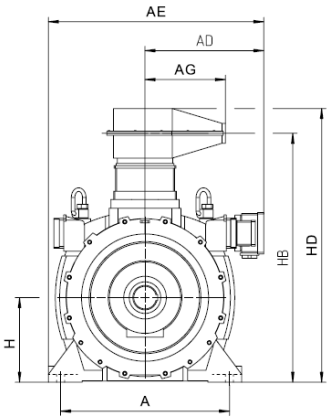
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
930	**1NB1 456-4AA80-4A.0**	1492	67	96.3	96.6	96.7	96.3	0.84	0.83	0.80	0.72	5952	2.75	1.35	6.2		25	600	1.00
950	**1NB1 456-4AA80-4C.0**	1492	67	96.4	96.7	96.7	96.2	0.86	0.85	0.81	0.73	6080	2.90	0.85	6.7		32	550	1.00
1050	**1NB1 502-4AA80-4A.0**	1490	75	95.9	96.2	96.3	95.8	0.84	0.84	0.83	0.77	6729	2.25	0.90	5.1		29	550	0.95
1050	**1NB1 502-4AA80-4C.0**	1492	74	96.0	96.3	96.3	95.8	0.85	0.85	0.84	0.78	6720	2.35	0.70	5.7		37	750	1.00
1270	**1NB1 504-4AA80-4A.0**	1490	90	96.1	96.5	96.6	96.2	0.83	0.84	0.84	0.79	8139	2.10	0.85	4.8		33	400	0.85
1300	**1NB1 504-4AA80-4C.0**	1491	91	96.2	96.6	96.7	96.3	0.84	0.85	0.85	0.80	8326	2.20	0.65	5.3		42	650	1.00
1400	**1NB1 506-4AA80-4A.0**	1491	98	96.3	96.6	96.7	96.3	0.85	0.85	0.84	0.78	8966	2.30	0.95	5.3		38	450	0.95
1450	**1NB1 506-4AA80-4C.0**	1492	100	96.4	96.7	96.8	96.4	0.86	0.87	0.85	0.80	9280	2.40	0.70	5.8		48	700	1.00
1470	**1NB1 560-4AA80-4A.0**	1492	104	96.2	96.5	96.5	95.8	0.82	0.84	0.83	0.77	9408	2.05	0.85	5.2		49	600	0.90
1500	**1NB1 560-4AA80-4C.0**	1492	106	96.3	96.6	96.6	96.0	0.83	0.85	0.84	0.80	9600	2.10	0.60	5.3		65	750	0.95
1770	**1NB1 562-4AA80-4A.0**	1492	124	96.5	96.8	96.8	96.3	0.83	0.85	0.84	0.79	11329	2.05	0.85	5.1		55	500	0.85
1800	**1NB1 562-4AA80-4C.0**	1492	124	96.6	96.9	96.9	96.5	0.84	0.86	0.85	0.81	11521	2.10	0.60	5.3		72	800	0.95
2000	**1NB1 564-4AA80-4A.0**	1493	140	96.8	97.0	97.0	96.5	0.83	0.85	0.83	0.78	12792	2.15	0.90	5.4		60	450	0.90
2020	**1NB1 564-4AA80-4C.0**	1492	140	96.9	97.1	97.1	96.7	0.85	0.86	0.85	0.80	12929	2.20	0.65	5.6		79	950	1.00
2150	**1NB1 566-4AA80-4A.0**	1493	148	97.0	97.2	97.1	96.6	0.85	0.86	0.84	0.78	13751	2.35	1.00	5.8		67	550	1.00
2200	**1NB1 566-4AA80-4C.0**	1493	150	97.0	97.2	97.2	96.8	0.86	0.87	0.86	0.80	14071	2.40	0.70	6.0		88	1200	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																			
400	**1NB1 404-6AA80-4A.0**	992	30	95.0	95.5	95.8	95.4	0.81	0.80	0.76	0.66	3851	2.70	1.05	5.9		12	550	1.00
400	**1NB1 404-6AA80-4C.0**	992	30	94.9	95.4	95.7	95.3	0.81	0.80	0.76	0.67	3851	2.35	0.75	4.7		15	450	1.00
450	**1NB1 406-6AA80-4A.0**	992	34	95.4	95.8	96.1	95.7	0.81	0.81	0.77	0.67	4332	2.75	1.05	5.9		13	850	1.00
450	**1NB1 406-6AA80-4C.0**	992	34	95.2	95.7	96.0	95.5	0.81	0.81	0.77	0.68	4332	2.40	0.75	4.7		17	700	1.00
600	**1NB1 454-6AA80-4A.0**	994	44	95.5	96.0	96.1	95.7	0.81	0.81	0.77	0.69	5764	2.50	1.20	6.0		32	850	1.00
630	**1NB1 454-6AA80-4C.0**	994	46	95.7	96.1	96.2	95.8	0.84	0.83	0.80	0.72	6052	2.60	0.80	5.6		41	650	1.00
660	**1NB1 456-6AA80-4A.0**	994	49	95.8	96.2	96.2	95.8	0.82	0.81	0.78	0.70	6341	2.60	1.25	6.2		37	1150	1.00
670	**1NB1 456-6AA80-4C.0**	994	48	95.9	96.2	96.3	95.8	0.85	0.83	0.80	0.71	6437	2.80	0.90	6.0		47	900	1.00
800	**1NB1 500-6AA80-4A.0**	994	60	95.7	96.2	96.5	96.2	0.80	0.80	0.78	0.71	7686	2.25	1.20	5.9		47	1400	1.00
800	**1NB1 500-6AA80-4C.0**	995	57	96.0	96.3	96.5	96.1	0.86	0.84	0.81	0.73	7678	2.70	0.70	6.5		60	1100	1.00
920	**1NB1 502-6AA80-4A.0**	993	68	95.8	96.3	96.6	96.5	0.81	0.81	0.80	0.74	8847	2.10	1.15	5.6		53	1150	1.00
980	**1NB1 502-6AA80-4C.0**	995	68	96.0	96.4	96.7	96.5	0.86	0.86	0.84	0.78	9405	2.40	0.65	5.9		68	800	1.00
1010	**1NB1 504-6AA80-4A.0**	994	74	96.0	96.5	96.7	96.5	0.83	0.82	0.81	0.74	9703	2.30	1.35	6.0		60	1350	1.00
1100	**1NB1 504-6AA80-4C.0**	995	76	96.2	96.6	96.8	96.6	0.87	0.86	0.84	0.77	10557	2.55	0.75	6.2		76	950	1.00
1120	**1NB1 506-6AA80-4A.0**	994	81	96.2	96.6	96.8	96.6	0.83	0.83	0.81	0.74	10760	2.40	1.40	6.2		68	1400	1.00
1170	**1NB1 506-6AA80-4C.0**	996	81	96.4	96.7	96.9	96.6	0.87	0.86	0.84	0.77	11218	2.70	0.80	6.7		86	1150	1.00
1500	**1NB1 562-6AA80-4C.0**	995	102	96.7	97.0	97.2	96.9	0.87	0.87	0.85	0.80	14396	2.60	0.55	5.3		120	2100	1.00
1650	**1NB1 564-6AA80-4C.0**	994	112	96.7	97.1	97.3	97.1	0.87	0.88	0.87	0.83	15851	2.40	0.50	4.9		137	2100	0.85
1800	**1NB1 566-6AA80-4C.0**	995	122	96.9	97.2	97.3	97.1	0.87	0.87	0.86	0.81	17275	2.65	0.55	5.5		152	2500	1.00
8-pole: n_{sync} = 750 rpm at 50 Hz																			

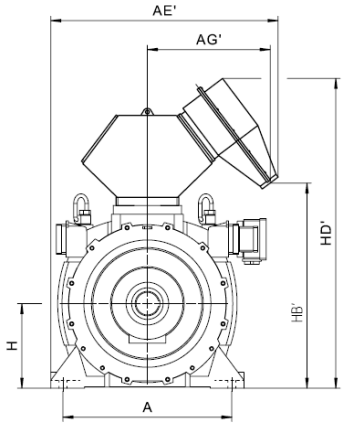
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SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
280	**1NB1 404-8AA80-4A.0**	740	22	93.8	94.5	94.8	94.3	0.78	0.77	0.71	0.60	3613	2.50	0.80		4.5		12	800	1.00
280	**1NB1 404-8AA80-4C.0**	744	22	94.2	94.8	94.9	94.2	0.77	0.75	0.69	0.58	3594	2.10	0.65		3.8		16	650	0.95
300	**1NB1 406-8AA80-4A.0**	741	24	94.1	94.7	94.9	94.4	0.79	0.77	0.72	0.60	3866	2.60	0.80		4.7		14	1000	1.00
300	**1NB1 406-8AA80-4C.0**	744	24	94.5	95.0	95.0	94.3	0.77	0.75	0.69	0.58	3851	2.15	0.65		3.9		17	750	0.95
410	**1NB1 452-8AA80-4A.0**	744	32	94.3	95.0	95.2	94.8	0.78	0.77	0.74	0.66	5262	2.25	1.00		4.9		28	800	1.00
420	**1NB1 452-8AA80-4C.0**	744	32	94.4	95.0	95.2	94.7	0.81	0.80	0.76	0.67	5391	2.30	0.75		4.4		36	600	1.00
470	**1NB1 454-8AA80-4A.0**	744	36	94.5	95.2	95.4	95.1	0.79	0.78	0.75	0.67	6032	2.30	1.05		4.9		32	1000	1.00
500	**1NB1 454-8AA80-4C.0**	744	38	94.5	95.2	95.4	95.0	0.82	0.80	0.77	0.69	6418	2.20	0.75		4.3		41	800	1.00
550	**1NB1 456-8AA80-4A.0**	744	42	94.9	95.5	95.8	95.4	0.80	0.79	0.76	0.68	7059	2.30	1.05		4.9		37	1400	1.00
570	**1NB1 456-8AA80-4C.0**	744	42	95.0	95.6	95.8	95.3	0.82	0.81	0.77	0.69	7316	2.25	0.80		4.4		47	1100	1.00
630	**1NB1 502-8AA80-4A.0**	745	48	94.9	95.5	95.6	95.2	0.81	0.80	0.76	0.67	8075	2.40	0.85		5.7		52	1250	1.00
630	**1NB1 502-8AA80-4C.0**	745	46	95.1	95.4	95.3	94.7	0.85	0.83	0.78	0.69	8075	2.75	0.85		6.0		67	1250	1.00
710	**1NB1 504-8AA80-4A.0**	745	54	95.2	95.7	95.8	95.5	0.81	0.80	0.77	0.69	9101	2.35	0.80		5.7		59	1750	1.00
710	**1NB1 504-8AA80-4C.0**	745	51	95.3	95.7	95.6	95.0	0.85	0.84	0.79	0.70	9101	2.70	0.80		5.9		76	1750	1.00
750	**1NB1 506-8AA80-4A.0**	745	56	95.4	95.8	95.8	95.3	0.82	0.80	0.76	0.67	9613	2.60	0.95		6.2		66	2000	1.00
760	**1NB1 506-8AA80-4C.0**	746	55	95.4	95.7	95.6	94.9	0.85	0.83	0.78	0.68	9729	2.95	0.95		6.4		85	1850	1.00
1120	**1NB1 562-8AA80-4C.0**	744	79	96.0	96.5	96.8	96.7	0.84	0.85	0.83	0.78	14375	2.10	0.50		4.2		120	3600	0.85
1150	**1NB1 564-8AA80-4C.0**	745	81	96.1	96.6	96.9	96.7	0.84	0.85	0.83	0.78	14741	2.20	0.55		4.4		136	3000	0.90
1210	**1NB1 566-8AA80-4C.0**	745	85	96.3	96.7	96.9	96.7	0.85	0.85	0.83	0.77	15510	2.35	0.60		4.7		152	3250	1.00

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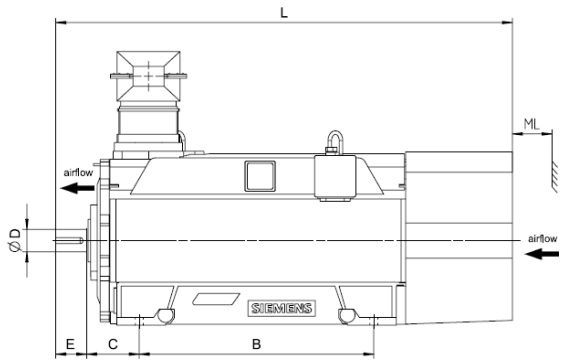


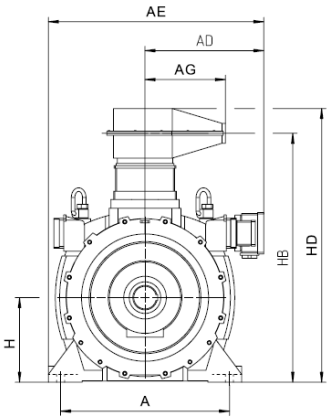


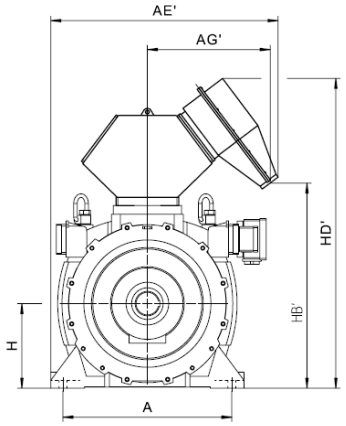


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 354-2AA80-4AA0	2900	630	500	994	1100	1384	431	957	1000	254	75	140	355	1227	859	1359	1633	2031	150
1NB1 356-2AA80-4AA0	3000	630	500	994	1100	1384	431	957	1000	254	75	140	355	1227	859	1359	1633	2031	150
1NB1 358-2AA80-4AA0	3100	630	500	994	1100	1384	431	957	1000	254	75	140	355	1227	859	1359	1633	2031	150
1NB1 402-2AA80-4A.0	3800	800	710	949	1160	1399	710	907	1120	254	85	130	400	1334	836	1514	1675	2147	160
1NB1 402-2AA80-4C.0	3800	800	710	949	1160	1399	710	907	1120	254	85	130	400	1334	836	1514	1675	2147	160
1NB1 404-2AA80-4A.0	3900	800	710	949	1160	1399	710	907	1120	254	85	130	400	1334	836	1514	1675	2147	160
1NB1 404-2AA80-4C.0	4000	800	710	949	1160	1399	710	907	1120	254	85	130	400	1334	836	1514	1675	2147	160
1NB1 406-2AA80-4A.0	4100	800	710	949	1160	1399	710	907	1120	254	85	130	400	1334	836	1514	1675	2147	160
1NB1 406-2AA80-4C.0	4200	800	710	949	1160	1399	710	907	1120	254	85	130	400	1334	836	1514	1675	2147	160
1NB1 452-2AA80-4C.0	5000	900	710	949	1225	1464	710	907	1250	280	95	130	450	1427	928	1607	1768	2289	180
1NB1 452-2AA80-4A.0	4900	900	710	949	1225	1464	710	907	1250	280	95	130	450	1427	928	1607	1768	2289	180
1NB1 454-2AA80-4C.0	5200	900	710	949	1225	1464	710	907	1250	280	95	130	450	1427	928	1607	1768	2289	180
1NB1 454-2AA80-4A.0	5100	900	710	949	1225	1464	710	907	1250	280	95	130	450	1427	928	1607	1768	2289	180
1NB1 456-2AA80-4A.0	5300	900	710	949	1225	1464	710	907	1250	280	95	130	450	1427	928	1607	1768	2289	180
1NB1 456-2AA80-4C.0	5400	900	710	949	1225	1464	710	907	1250	280	95	130	450	1427	928	1607	1768	2289	180
1NB1 502-2AA80-4A.0	6400	1000	710	949	1275	1514	710	907	1320	315	110	165	500	1538	1039	1718	1879	2457	200
1NB1 502-2AA80-4C.0	6500	1000	710	949	1275	1514	710	907	1320	315	110	165	500	1538	1039	1718	1879	2457	200
1NB1 504-2AA80-4A.0	6700	1000	710	949	1275	1514	710	907	1320	315	110	165	500	1538	1039	1718	1879	2457	200
1NB1 504-2AA80-4C.0	6900	1000	710	949	1275	1514	710	907	1320	315	110	165	500	1538	1039	1718	1879	2457	200
1NB1 506-2AA80-4A.0	7100	1000	710	949	1275	1514	710	907	1320	315	110	165	500	1538	1039	1718	1879	2457	200
1NB1 506-2AA80-4C.0	7300	1000	710	949	1275	1514	710	907	1320	315	110	165	500	1538	1039	1718	1879	2457	200
1NB1 564-2AA80-4C.0	8800	1120	710	949	1345	1584	710	907	1400	335	120	165	560	1662	1164	1842	2003	2628	225

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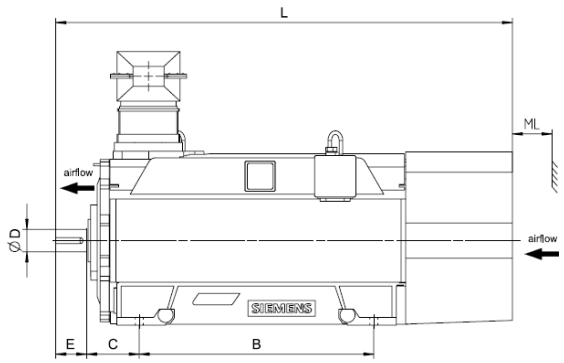


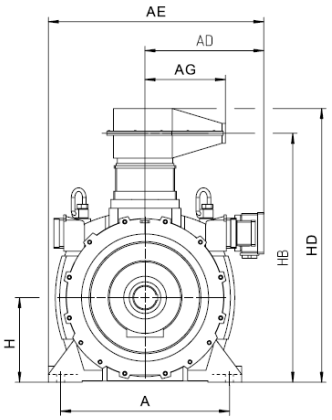


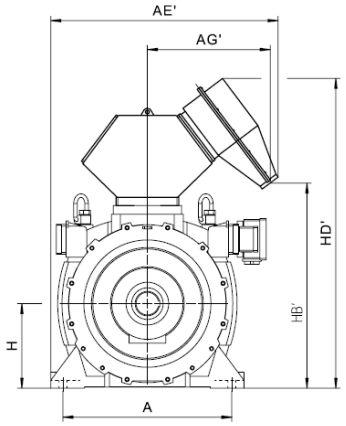


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 566-2AA80-4C.0	9300	1120	710	949	1345	1584	710	907	1400	335	120	165	560	1662	1164	1842	2003	2628	225
4-pole																			
1NB1 356-4AA80-4AA0	3200	630	500	994	1100	1384	431	957	1000	254	100	210	355	1227	859	1359	1633	2101	150
1NB1 358-4AA80-4AA0	3400	630	500	994	1100	1384	431	957	1000	254	100	210	355	1227	859	1359	1633	2101	150
1NB1 404-4AA80-4A.0	4000	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 404-4AA80-4C.0	4100	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 406-4AA80-4A.0	4200	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 406-4AA80-4C.0	4300	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 450-4AA80-4A.0	4700	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 450-4AA80-4C.0	4900	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 452-4AA80-4A.0	5000	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 452-4AA80-4C.0	5100	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 454-4AA80-4A.0	5200	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 454-4AA80-4C.0	5300	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 456-4AA80-4A.0	5500	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 456-4AA80-4C.0	5700	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 502-4AA80-4A.0	6400	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 502-4AA80-4C.0	6600	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 504-4AA80-4A.0	6900	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 504-4AA80-4C.0	7100	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 506-4AA80-4A.0	7200	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 506-4AA80-4C.0	7500	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 560-4AA80-4A.0	8200	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225

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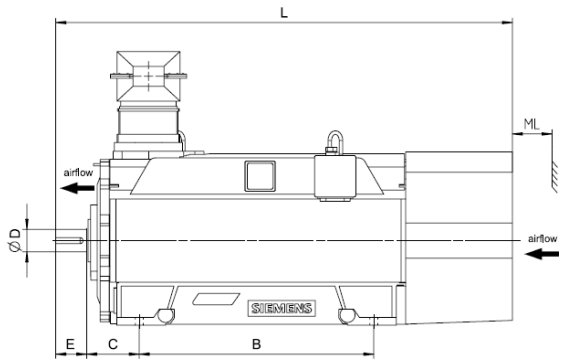


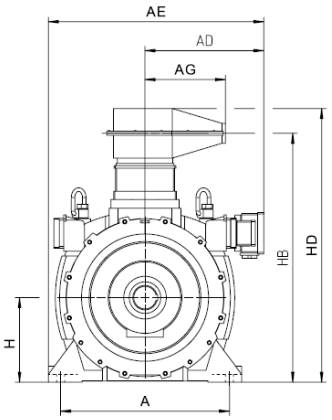


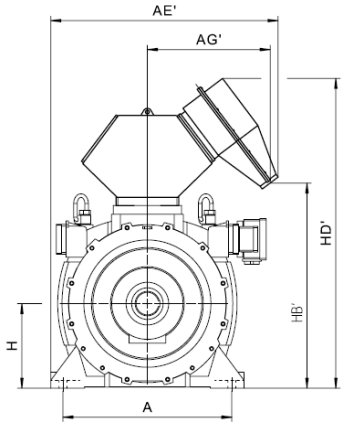


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 560-4AA80-4C.0	8500	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 562-4AA80-4A.0	8700	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 562-4AA80-4C.0	9000	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 564-4AA80-4A.0	9100	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 564-4AA80-4C.0	9500	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 566-4AA80-4A.0	9600	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 566-4AA80-4C.0	9900	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
6-pole																			
1NB1 404-6AA80-4A.0	4000	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 404-6AA80-4C.0	4100	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 406-6AA80-4A.0	4200	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 406-6AA80-4C.0	4300	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 454-6AA80-4A.0	5100	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 454-6AA80-4C.0	5300	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 456-6AA80-4A.0	5400	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 456-6AA80-4C.0	5700	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 500-6AA80-4A.0	6200	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 500-6AA80-4C.0	6400	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 502-6AA80-4A.0	6500	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 502-6AA80-4C.0	6800	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 504-6AA80-4A.0	6900	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 504-6AA80-4C.0	7100	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 506-6AA80-4A.0	7300	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200

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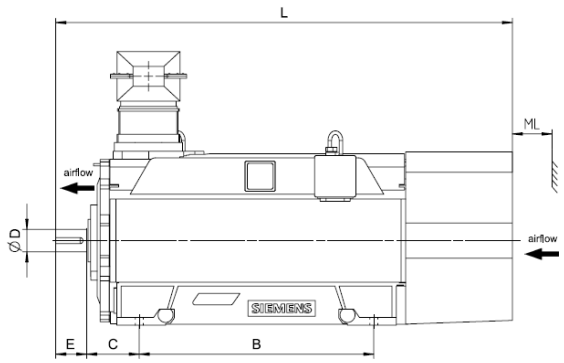


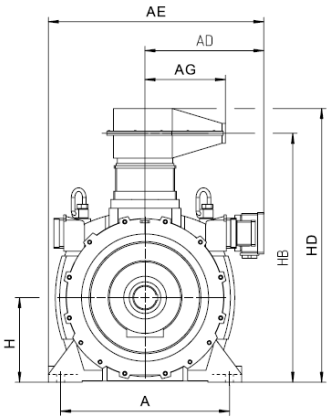


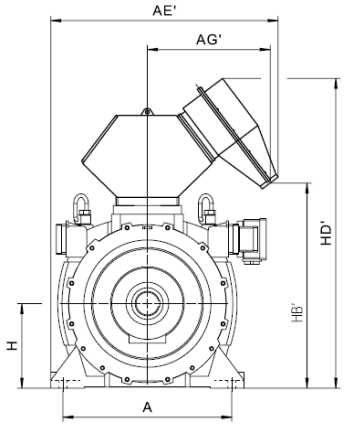


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-6AA80-4C.0	7600	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 562-6AA80-4C.0	9200	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 564-6AA80-4C.0	9800	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 566-6AA80-4C.0	10400	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
8-pole																			
1NB1 404-8AA80-4A.0	3900	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 404-8AA80-4C.0	4000	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 406-8AA80-4A.0	4100	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 406-8AA80-4C.0	4200	800	710	949	1160	1399	710	907	1120	254	120	165	400	1334	836	1514	1675	2242	160
1NB1 452-8AA80-4A.0	4800	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 452-8AA80-4C.0	5000	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 454-8AA80-4A.0	5100	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 454-8AA80-4C.0	5200	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 456-8AA80-4A.0	5400	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 456-8AA80-4C.0	5600	900	710	949	1225	1464	710	907	1250	280	120	165	450	1427	928	1607	1768	2434	180
1NB1 502-8AA80-4A.0	6500	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 502-8AA80-4C.0	6700	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 504-8AA80-4A.0	6900	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 504-8AA80-4C.0	7100	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 506-8AA80-4A.0	7300	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 506-8AA80-4C.0	7500	1000	710	949	1275	1514	710	907	1320	315	140	200	500	1538	1039	1718	1879	2622	200
1NB1 562-8AA80-4C.0	9200	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225
1NB1 564-8AA80-4C.0	9700	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225

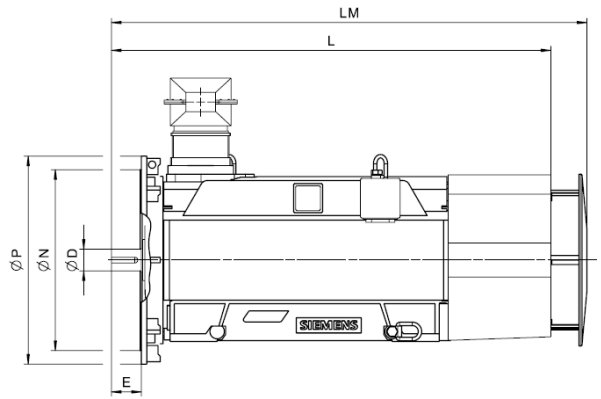
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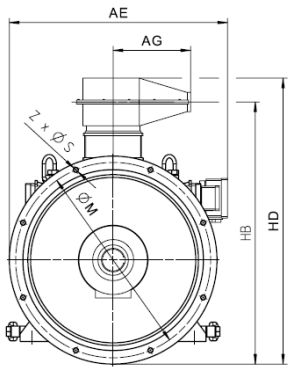


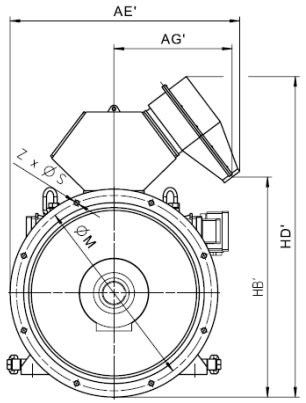




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 566-8AA80-4C.0	10300	1120	710	949	1345	1584	710	907	1400	335	160	240	560	1662	1164	1842	2003	2783	225

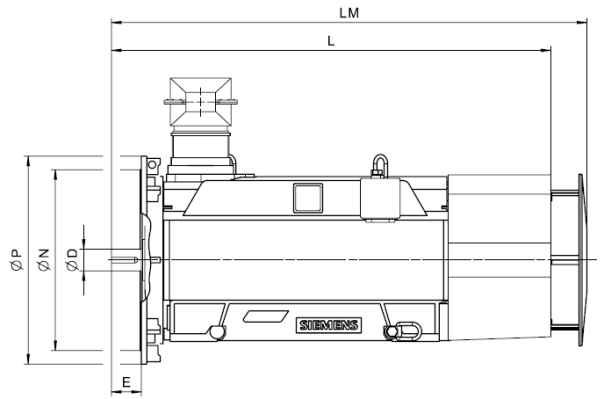


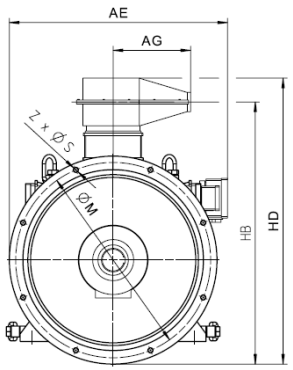


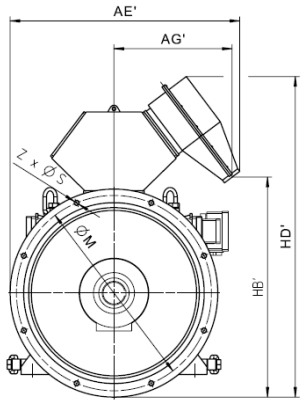


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NB1 354-2AA84-4AA0	3000	1110	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 356-2AA84-4AA0	3100	1110	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 358-2AA84-4AA0	3200	1110	431	75	872	1004	2031	2296	740	680	800	24	8
1NB1 402-2AA84-4AA0	3900	1210	710	85	1434	1614	2147	2347	940	880	1000	24	8
1NB1 402-2AA84-4CA0	4000	1210	710	85	1434	1614	2147	2347	940	880	1000	24	8
1NB1 404-2AA84-4AA0	4100	1210	710	85	1434	1614	2147	2347	940	880	1000	24	8
1NB1 404-2AA84-4CA0	4100	1210	710	85	1434	1614	2147	2347	940	880	1000	24	8
1NB1 406-2AA84-4AA0	4200	1210	710	85	1434	1614	2147	2347	940	880	1000	24	8
1NB1 406-2AA84-4CA0	4300	1210	710	85	1434	1614	2147	2347	940	880	1000	24	8
4-pole													
1NB1 356-4AA84-4AA0	3200	1110	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 358-4AA84-4AA0	3500	1110	431	100	872	1004	2101	2416	740	680	800	24	8
1NB1 404-4AA84-4AA0	4200	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 404-4AA84-4CA0	4300	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 406-4AA84-4AA0	4400	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 406-4AA84-4CA0	4500	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 450-4AA84-4AA0	5000	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 450-4AA84-4CA0	5100	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 452-4AA84-4AA0	5200	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 452-4AA84-4CA0	5300	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 454-4AA84-4AA0	5400	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 454-4AA84-4CA0	5500	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8

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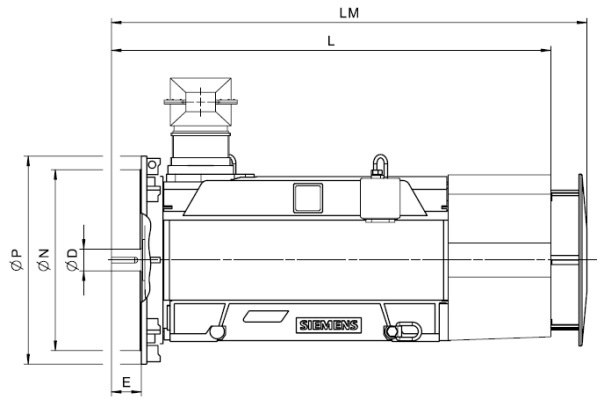


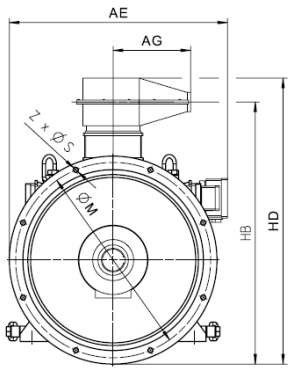


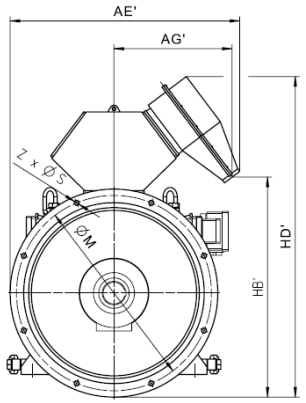


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 456-4AA84-4AA0	5700	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 456-4AA84-4CA0	5900	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 502-4AA84-4AA0	6700	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 502-4AA84-4CA0	6900	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 504-4AA84-4AA0	7100	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 504-4AA84-4CA0	7400	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 506-4AA84-4AA0	7500	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 506-4AA84-4CA0	7800	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 560-4AA84-4AA0	8600	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 560-4AA84-4CA0	8900	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 562-4AA84-4AA0	9100	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 562-4AA84-4CA0	9400	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 564-4AA84-4AA0	9500	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 564-4AA84-4CA0	9800	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 566-4AA84-4AA0	9900	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 566-4AA84-4CA0	10300	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 404-6AA84-4AA0	4100	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 404-6AA84-4CA0	4300	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 406-6AA84-4AA0	4400	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 406-6AA84-4CA0	4500	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 454-6AA84-4AA0	5300	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 454-6AA84-4CA0	5500	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8

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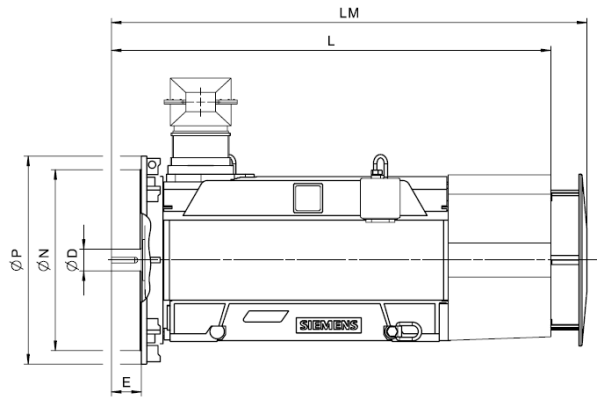


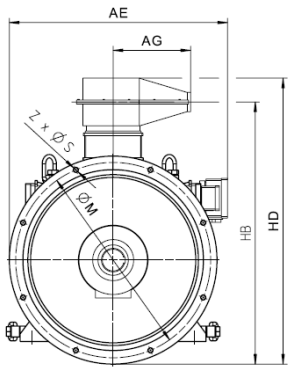


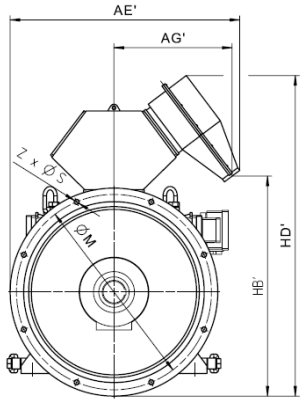


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 456-6AA84-4AA0	5700	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 456-6AA84-4CA0	5900	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 500-6AA84-4AA0	6500	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 500-6AA84-4CA0	6700	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 502-6AA84-4AA0	6800	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 502-6AA84-4CA0	7000	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 504-6AA84-4AA0	7200	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 504-6AA84-4CA0	7400	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 506-6AA84-4AA0	7600	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 506-6AA84-4CA0	7800	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 562-6AA84-4CA0	9600	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 564-6AA84-4CA0	10200	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 566-6AA84-4CA0	10700	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 404-8AA84-4AA0	4100	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 404-8AA84-4CA0	4200	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 406-8AA84-4AA0	4300	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 406-8AA84-4CA0	4400	1210	710	120	1434	1614	2242	2392	940	880	1000	24	8
1NB1 452-8AA84-4AA0	5000	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 452-8AA84-4CA0	5200	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 454-8AA84-4AA0	5300	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 454-8AA84-4CA0	5500	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 456-8AA84-4AA0	5700	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 456-8AA84-4CA0	5800	1285	710	120	1552	1732	2434	2634	1080	1000	1150	28	8
1NB1 502-8AA84-4AA0	6800	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 502-8AA84-4CA0	7000	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 504-8AA84-4AA0	7100	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 504-8AA84-4CA0	7400	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 506-8AA84-4AA0	7600	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 506-8AA84-4CA0	7800	1335	710	140	1663	1843	2622	2822	1180	1120	1250	28	16
1NB1 562-8AA84-4CA0	9600	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 564-8AA84-4CA0	10100	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16
1NB1 566-8AA84-4CA0	10700	1410	710	160	1802	1982	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
260	**1NC1 350-2AA60-4AA0**	2978	32	94.6	95.1	95.2	94.7	0.82	0.83	0.80	0.75	834	2.45	1.10	5.4		3	40	1.00
300	**1NC1 352-2AA60-4AA0**	2980	36	95.1	95.5	95.6	95.1	0.83	0.83	0.81	0.75	961	2.70	1.25	5.9		4	55	1.00
360	**1NC1 354-2AA60-4AA0**	2978	43	94.9	95.7	95.4	94.8	0.84	0.85	0.84	0.80	1154	2.45	1.20	5.4		4	65	1.00
410	**1NC1 356-2AA60-4AA0**	2980	48	95.5	95.9	96.2	95.8	0.86	0.86	0.85	0.80	1314	2.70	1.25	5.9		5	65	1.00
460	**1NC1 358-2AA60-4AA0**	2980	53	95.4	96.1	95.9	95.4	0.87	0.87	0.85	0.81	1474	2.75	1.30	6.0		5	75	1.00
500	**1NC1 402-2AA60-4AG0**	2982	58	95.8	96.1	96.3	95.8	0.86	0.87	0.86	0.82	1601	2.35	0.85	5.3		7	80	0.95
500	**1NC1 402-2AA60-4CG0**	2977	56	95.7	96.1	96.2	95.8	0.89	0.89	0.88	0.84	1604	2.65	0.90	5.8		10	115	1.00
560	**1NC1 404-2AA60-4AG0**	2983	64	96.0	96.3	96.5	96.1	0.87	0.88	0.87	0.83	1793	2.40	0.90	5.4		8	75	1.00
560	**1NC1 404-2AA60-4CG0**	2978	62	95.9	96.2	96.4	96.0	0.90	0.90	0.89	0.85	1796	2.70	0.90	5.9		11	120	1.00
630	**1NC1 406-2AA60-4AG0**	2985	71	96.4	96.6	96.7	96.2	0.88	0.88	0.87	0.82	2015	2.70	1.15	6.0		9	120	1.00
630	**1NC1 406-2AA60-4CG0**	2981	70	96.3	96.5	96.6	96.2	0.90	0.90	0.89	0.84	2018	3.00	1.05	6.6		12	150	1.00
710	**1NC1 452-2AA60-4AG0**	2984	80	96.5	96.8	96.8	96.3	0.88	0.88	0.87	0.82	2272	2.55	1.25	6.0		11	85	1.00
710	**1NC1 452-2AA60-4CG0**	2983	79	96.4	96.7	96.7	96.1	0.89	0.89	0.88	0.83	2273	2.75	0.95	6.4		15	150	1.00
800	**1NC1 454-2AA60-4AG0**	2984	89	96.5	96.9	96.9	96.5	0.89	0.89	0.88	0.84	2560	2.60	1.20	6.1		13	90	1.00
800	**1NC1 454-2AA60-4CG0**	2983	88	96.5	96.8	96.8	96.4	0.90	0.90	0.89	0.84	2561	2.80	0.90	6.4		17	150	1.00
900	**1NC1 456-2AA60-4AG0**	2984	99	96.7	97.0	97.1	96.7	0.89	0.90	0.88	0.84	2880	2.65	1.40	6.2		15	85	1.00
900	**1NC1 456-2AA60-4CG0**	2983	98	96.6	96.9	97.0	96.6	0.91	0.91	0.89	0.85	2881	2.85	1.00	6.6		19	200	1.00
1000	**1NC1 502-2AA60-4CG0**	2987	112	96.5	96.6	96.5	95.9	0.89	0.89	0.88	0.83	3197	2.95	0.75	6.3		24	200	1.00
1000	**1NC1 502-2AA60-4AG0**	2986	114	96.5	96.7	96.7	96.1	0.87	0.87	0.87	0.83	3198	2.60	0.75	5.7		19	85	0.90
1120	**1NC1 504-2AA60-4CG0**	2987	124	96.7	96.8	96.7	96.1	0.90	0.90	0.89	0.84	3581	3.10	0.80	6.6		27	200	1.00
1120	**1NC1 504-2AA60-4AG0**	2986	124	96.7	96.9	96.9	96.4	0.88	0.89	0.88	0.84	3582	2.80	0.85	6.0		21	90	1.00
1250	**1NC1 506-2AA60-4AG0**	2988	140	96.9	97.1	97.0	96.5	0.89	0.89	0.88	0.83	3995	3.10	1.00	6.8		24	125	1.00
1250	**1NC1 506-2AA60-4CG0**	2989	138	96.9	97.0	96.9	96.3	0.91	0.90	0.89	0.84	3994	3.45	0.85	7.4		31	250	1.00
1400	**1NC1 564-2AA60-4CG0**	2988	152	96.8	97.0	96.9	96.3	0.90	0.91	0.91	0.88	4474	2.55	0.60	5.7		46	400	0.80
1600	**1NC1 566-2AA60-4CG0**	2990	174	97.1	97.2	97.1	96.5	0.91	0.91	0.91	0.87	5110	2.90	0.70	6.4		51	400	0.95
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
260	**1NC1 350-4AA60-4AA0**	1486	32	94.6	95.0	95.2	94.6	0.81	0.81	0.77	0.68	1671	2.80	1.40	5.8		4	350	1.00
280	**1NC1 352-4AA60-4AA0**	1487	35	94.9	95.2	95.4	94.7	0.82	0.81	0.77	0.67	1798	3.05	1.55	6.3		5	450	1.00
340	**1NC1 354-4AA60-4AA0**	1486	42	94.7	95.3	95.2	94.5	0.83	0.83	0.79	0.70	2185	2.90	1.50	6.0		5	450	1.00
400	**1NC1 356-4AA60-4AA0**	1487	48	95.0	95.5	95.5	94.9	0.84	0.84	0.80	0.71	2569	2.95	1.55	6.2		6	550	1.00
500	**1NC1 358-4AA60-4AA0**	1487	60	95.3	95.8	95.9	95.4	0.85	0.84	0.81	0.73	3211	2.95	1.60	6.2		7	500	1.00
560	**1NC1 404-4AA60-4AG0**	1489	67	95.8	96.2	96.3	95.8	0.84	0.83	0.81	0.72	3591	2.80	1.25	5.8		10	550	1.00
560	**1NC1 404-4AA60-4CG0**	1489	67	95.9	96.2	96.3	95.9	0.85	0.84	0.82	0.75	3591	2.85	0.85	5.8		14	650	1.00
630	**1NC1 406-4AA60-4AG0**	1490	75	96.0	96.3	96.4	95.9	0.85	0.84	0.81	0.72	4038	3.00	1.45	6.2		12	500	1.00
630	**1NC1 406-4AA60-4CG0**	1490	74	96.1	96.4	96.5	96.0	0.86	0.85	0.82	0.75	4038	3.10	0.95	6.2		16	750	1.00
710	**1NC1 452-4AA60-4AG0**	1490	85	96.1	96.5	96.6	96.2	0.83	0.83	0.81	0.74	4550	2.40	1.15	5.4		18	650	1.00

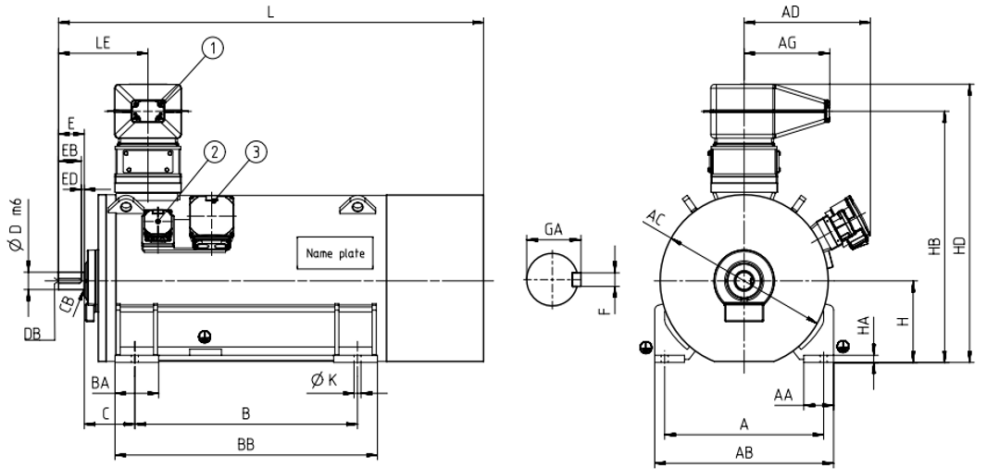
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SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
710	**1NC1 452-4AA60-4CG0**	1491	84	96.2	96.5	96.6	96.1	0.85	0.84	0.82	0.74	4547	2.60	0.75	5.9	23	850	1.00
800	**1NC1 454-4AA60-4AG0**	1491	96	96.3	96.7	96.8	96.3	0.83	0.83	0.81	0.74	5124	2.50	1.20	5.6	20	650	1.00
800	**1NC1 454-4AA60-4CG0**	1492	94	96.4	96.7	96.7	96.2	0.85	0.85	0.82	0.74	5120	2.70	0.80	6.2	26	950	1.00
900	**1NC1 456-4AA60-4AG0**	1491	106	96.4	96.7	96.9	96.5	0.84	0.84	0.81	0.74	5764	2.50	1.20	5.7	24	800	1.00
900	**1NC1 456-4AA60-4CG0**	1492	106	96.5	96.8	96.8	96.4	0.86	0.85	0.82	0.75	5760	2.75	0.80	6.3	30	1100	1.00
1000	**1NC1 502-4AA60-4CG0**	1491	118	96.1	96.4	96.4	95.9	0.84	0.85	0.84	0.79	6405	2.20	0.65	5.3	35	750	1.00
1000	**1NC1 502-4AA60-4AG0**	1490	118	95.9	96.3	96.3	95.8	0.83	0.84	0.83	0.78	6409	2.10	0.80	4.8	26	750	0.85
1120	**1NC1 504-4AA60-4CG0**	1492	130	96.4	96.6	96.6	96.1	0.85	0.86	0.84	0.78	7168	2.50	0.70	6.0	40	1050	1.00
1120	**1NC1 504-4AA60-4AG0**	1491	132	96.3	96.5	96.5	96.0	0.84	0.85	0.83	0.77	7173	2.35	0.90	5.3	31	800	1.00
1250	**1NC1 506-4AA60-4CG0**	1493	142	96.6	96.7	96.7	96.1	0.87	0.87	0.84	0.77	7995	2.80	0.85	6.7	45	1300	1.00
1250	**1NC1 506-4AA60-4AG0**	1492	146	96.4	96.6	96.6	96.1	0.85	0.85	0.83	0.76	8000	2.60	1.05	5.9	35	850	1.00
1400	**1NC1 560-4AA60-4CG0**	1492	162	96.5	96.7	96.6	95.9	0.84	0.86	0.84	0.79	8960	2.25	0.70	5.6	60	950	1.00
1400	**1NC1 560-4AA60-4AG0**	1492	164	96.4	96.6	96.5	95.8	0.83	0.85	0.83	0.77	8960	2.15	0.90	5.3	44	950	0.90
1600	**1NC1 562-4AA60-4CG0**	1493	184	96.7	96.9	96.8	96.2	0.85	0.86	0.85	0.79	10234	2.30	0.70	5.9	68	1150	1.00
1600	**1NC1 562-4AA60-4AG0**	1493	188	96.6	96.8	96.7	96.1	0.84	0.85	0.83	0.78	10234	2.20	0.90	5.5	50	900	0.95
1800	**1NC1 564-4AA60-4CG0**	1493	205	96.9	97.1	97.1	96.5	0.85	0.87	0.85	0.80	11513	2.30	0.65	5.9	75	1250	1.00
1800	**1NC1 564-4AA60-4AG0**	1493	210	96.8	97.0	97.0	96.4	0.84	0.85	0.84	0.78	11513	2.20	0.90	5.5	56	900	0.95
2000	**1NC1 566-4AA60-4CG0**	1494	225	97.1	97.3	97.2	96.6	0.86	0.87	0.85	0.79	12784	2.60	0.75	6.5	83	1600	1.00
2000	**1NC1 566-4AA60-4AG0**	1494	230	97.1	97.2	97.1	96.5	0.85	0.86	0.84	0.77	12784	2.45	1.00	6.1	62	900	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																		
200	**1NC1 352-6AA60-4AA0**	993	26	94.6	95.1	94.6	93.6	0.79	0.76	0.70	0.58	1923	3.45	1.65	6.8	10	650	1.00
250	**1NC1 354-6AA60-4AA0**	991	32	94.6	95.3	95.2	94.5	0.79	0.78	0.73	0.63	2409	2.90	1.35	5.9	10	650	1.00
300	**1NC1 356-6AA60-4AA0**	991	38	94.8	95.5	95.4	94.9	0.80	0.79	0.75	0.65	2891	2.85	1.35	5.9	12	700	1.00
360	**1NC1 358-6AA60-4AA0**	992	46	95.1	95.6	95.6	95.1	0.80	0.79	0.74	0.64	3465	2.95	1.35	6.0	14	900	1.00
450	**1NC1 404-6AA60-4AG0**	992	56	95.3	95.9	96.2	95.8	0.81	0.81	0.79	0.71	4332	2.50	1.25	5.4	20	1000	1.00
450	**1NC1 404-6AA60-4CG0**	993	54	95.5	95.9	96.2	95.7	0.84	0.83	0.80	0.72	4327	2.55	0.95	5.3	26	800	1.00
500	**1NC1 406-6AA60-4AG0**	993	62	95.6	96.1	96.3	95.9	0.81	0.81	0.78	0.69	4808	2.70	1.30	5.8	23	1500	1.00
500	**1NC1 406-6AA60-4CG0**	994	60	95.8	96.1	96.3	95.8	0.84	0.83	0.79	0.70	4803	2.75	0.95	5.7	30	1250	1.00
560	**1NC1 452-6AA60-4AG0**	993	70	95.7	96.2	96.3	95.9	0.80	0.80	0.78	0.70	5385	2.35	1.15	5.6	26	2300	1.00
560	**1NC1 452-6AA60-4CG0**	993	67	95.9	96.3	96.3	96.0	0.84	0.83	0.80	0.72	5385	2.55	0.80	5.4	34	1850	1.00
630	**1NC1 454-6AA60-4AG0**	993	78	95.8	96.3	96.4	96.1	0.81	0.81	0.79	0.73	6058	2.25	1.10	5.3	30	2400	1.00
630	**1NC1 454-6AA60-4CG0**	993	75	96.0	96.4	96.5	96.2	0.84	0.84	0.81	0.74	6058	2.45	0.75	5.2	39	1900	1.00
710	**1NC1 456-6AA60-4AG0**	994	87	96.2	96.5	96.4	95.9	0.82	0.81	0.77	0.68	6821	2.75	1.35	6.5	35	3550	1.00
710	**1NC1 456-6AA60-4CG0**	994	85	96.3	96.5	96.4	96.0	0.84	0.83	0.79	0.69	6821	2.95	0.95	6.2	46	2650	1.00
800	**1NC1 500-6AA60-4CG0**	994	93	95.9	96.4	96.6	96.4	0.86	0.86	0.85	0.79	7686	2.25	0.65	5.5	57	1250	1.00
800	**1NC1 500-6AA60-4AG0**	992	99	95.5	96.2	96.6	96.5	0.80	0.81	0.81	0.77	7701	1.85	1.05	4.9	44	1650	0.85
900	**1NC1 502-6AA60-4CG0**	995	104	96.2	96.6	96.8	96.5	0.87	0.86	0.85	0.79	8638	2.40	0.70	5.8	65	1850	1.00

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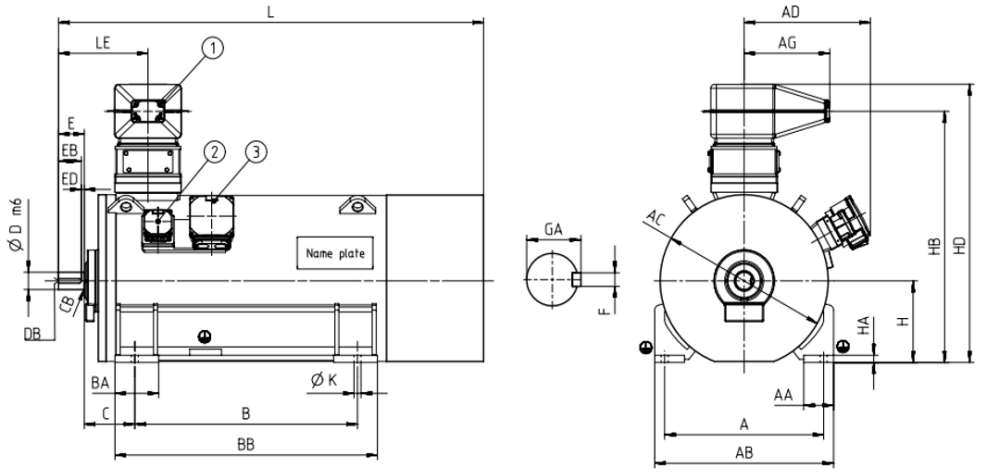
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
900	**1NC1 502-6AA60-4AG0**	993	110	95.9	96.4	96.7	96.6	0.81	0.82	0.81	0.77	8655	2.00	1.15	5.2	51	1800	0.95
1000	**1NC1 504-6AA60-4CG0**	995	116	96.4	96.7	96.9	96.6	0.87	0.86	0.84	0.78	9597	2.55	0.70	6.2	74	2150	1.00
1000	**1NC1 504-6AA60-4AG0**	993	122	96.1	96.6	96.9	96.7	0.82	0.82	0.81	0.76	9617	2.10	1.15	5.5	58	1950	1.00
1120	**1NC1 506-6AA60-4CG0**	995	128	96.5	96.8	97.0	96.8	0.87	0.87	0.85	0.79	10749	2.45	0.70	6.0	83	2300	1.00
1120	**1NC1 506-6AA60-4AG0**	993	134	96.1	96.7	97.0	96.9	0.82	0.83	0.82	0.78	10771	2.05	1.15	5.3	65	2100	0.95
1250	**1NC1 562-6AA60-4CG0**	995	144	96.8	97.0	97.1	96.7	0.87	0.86	0.84	0.78	11997	2.90	0.60	5.9	116	3200	1.00
1400	**1NC1 564-6AA60-4CG0**	995	160	96.8	97.1	97.2	96.8	0.87	0.87	0.85	0.80	13436	2.85	0.60	5.8	132	2900	1.00
1600	**1NC1 566-6AA60-4CG0**	996	182	97.0	97.3	97.3	96.9	0.87	0.87	0.85	0.79	15340	3.05	0.70	6.3	147	4000	1.00
8-pole: n_{sync} = 750 rpm at 50 Hz																		
160	**1NC1 354-8AA60-4AA0**	740	22	92.8	94.1	94.1	93.7	0.79	0.78	0.73	0.62	2065	2.75	1.00	5.1	10	550	1.00
200	**1NC1 356-8AA60-4AA0**	740	26	93.3	94.3	94.5	94.1	0.80	0.78	0.73	0.62	2581	2.90	1.10	5.3	12	650	1.00
250	**1NC1 358-8AA60-4AA0**	741	33	93.9	94.7	94.8	94.4	0.79	0.77	0.71	0.59	3222	3.20	1.20	5.7	14	1050	1.00
335	**1NC1 404-8AA60-4AG0**	742	42	95.0	95.5	95.7	95.4	0.80	0.79	0.74	0.63	4311	2.65	1.15	5.3	20	1550	1.00
335	**1NC1 404-8AA60-4CG0**	744	42	95.2	95.6	95.7	95.1	0.81	0.79	0.74	0.62	4300	2.40	0.90	4.7	26	1300	1.00
375	**1NC1 406-8AA60-4AG0**	743	48	95.4	95.8	95.9	95.5	0.80	0.78	0.73	0.62	4820	2.85	1.25	5.7	23	2350	1.00
375	**1NC1 406-8AA60-4CG0**	744	48	95.5	95.9	95.8	95.2	0.81	0.78	0.72	0.61	4813	2.60	1.00	5.0	30	1950	1.00
470	**1NC1 452-8AA60-4AG0**	743	61	95.1	95.7	96.0	95.6	0.78	0.77	0.75	0.68	6041	2.15	0.95	4.6	26	3100	1.00
470	**1NC1 452-8AA60-4CG0**	744	59	95.3	95.8	95.9	95.5	0.81	0.80	0.77	0.68	6032	2.20	0.75	4.2	35	2450	1.00
530	**1NC1 454-8AA60-4AG0**	744	68	95.4	95.9	96.0	95.6	0.79	0.78	0.75	0.66	6803	2.35	1.10	4.9	30	3150	1.00
530	**1NC1 454-8AA60-4CG0**	744	66	95.5	95.9	96.0	95.5	0.81	0.80	0.76	0.67	6803	2.35	0.85	4.5	39	2450	1.00
600	**1NC1 456-8AA60-4AG0**	743	76	95.4	96.0	96.2	95.8	0.80	0.79	0.76	0.69	7711	2.25	1.05	4.8	35	3050	1.00
600	**1NC1 456-8AA60-4CG0**	744	75	95.6	96.0	96.1	95.7	0.82	0.80	0.77	0.69	7701	2.30	0.80	4.4	46	2400	1.00
630	**1NC1 502-8AA60-4CG0**	745	75	95.4	95.8	95.7	95.3	0.85	0.84	0.81	0.73	8075	2.45	0.75	5.3	65	2500	1.00
630	**1NC1 502-8AA60-4AG0**	744	79	95.3	95.8	96.0	95.7	0.81	0.80	0.78	0.71	8086	2.10	0.75	5.0	50	2400	1.00
710	**1NC1 504-8AA60-4CG0**	745	84	95.5	95.9	95.9	95.4	0.86	0.85	0.82	0.74	9101	2.45	0.75	5.4	73	2600	1.00
710	**1NC1 504-8AA60-4AG0**	744	88	95.4	95.9	96.1	95.8	0.81	0.81	0.79	0.72	9113	2.10	0.75	5.0	56	2550	1.00
800	**1NC1 506-8AA60-4CG0**	745	94	95.5	95.9	95.9	95.5	0.86	0.85	0.81	0.73	10254	2.50	0.80	5.6	83	2450	1.00
800	**1NC1 506-8AA60-4AG0**	744	98	95.4	96.0	96.1	95.9	0.82	0.82	0.79	0.72	10268	2.20	0.75	5.2	64	2450	1.00
900	**1NC1 562-8AA60-4CG0**	746	108	96.4	96.7	96.7	96.3	0.84	0.83	0.80	0.71	11521	2.75	0.65	5.4	115	5900	1.00
1000	**1NC1 564-8AA60-4CG0**	746	120	96.5	96.7	96.8	96.4	0.85	0.83	0.80	0.71	12801	2.80	0.70	5.5	132	6550	1.00
1120	**1NC1 566-8AA60-4CG0**	746	134	96.7	96.9	96.9	96.4	0.85	0.83	0.79	0.70	14337	3.00	0.75	5.9	147	8650	1.00

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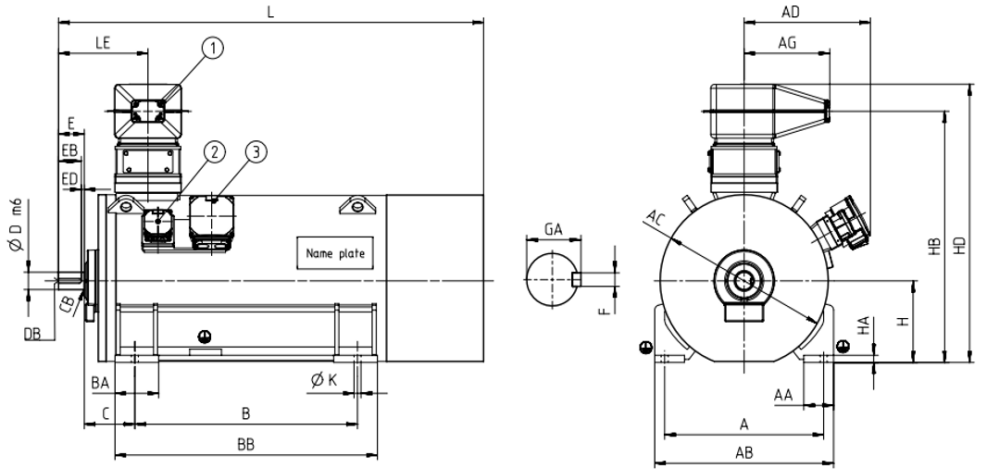
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 350-2AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 352-2AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 354-2AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 356-2AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 358-2AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 402-2AA60-4AG0	3405	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 402-2AA60-4CG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AA60-4AG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AA60-4CG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AA60-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AA60-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 452-2AA60-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 452-2AA60-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AA60-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AA60-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AA60-4AG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AA60-4CG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 502-2AA60-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 502-2AA60-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AA60-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.

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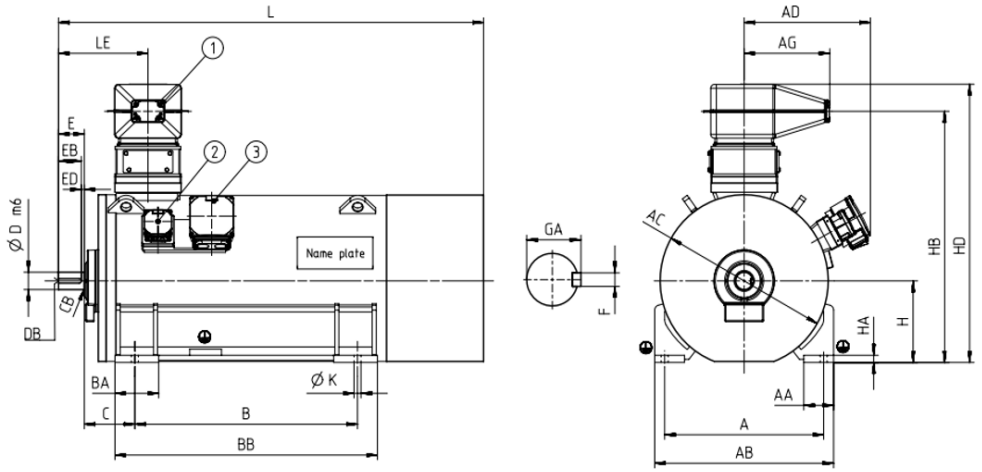
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 504-2AA60-4AG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AA60-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AA60-4CG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 564-2AA60-4CG0	7995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
1NC1 566-2AA60-4CG0	8495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
4-pole																			
1NC1 350-4AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 352-4AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 354-4AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 356-4AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-4AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 404-4AA60-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-4AA60-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AA60-4AG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AA60-4CG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-4AA60-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AA60-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AA60-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AA60-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AA60-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AA60-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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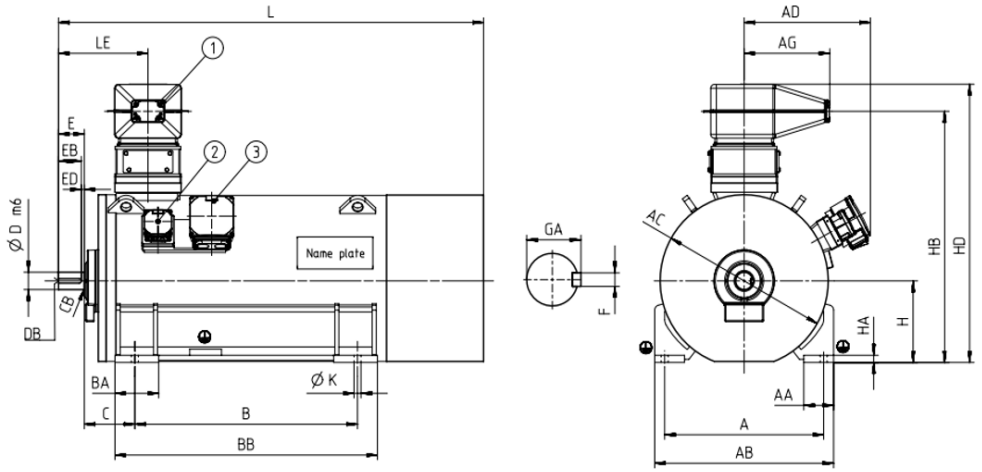
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 502-4AA60-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AA60-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AA60-4CG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AA60-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AA60-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AA60-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 560-4AA60-4CG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 560-4AA60-4AG0	7395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AA60-4CG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AA60-4AG0	7795	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AA60-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AA60-4AG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AA60-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AA60-4AG0	8795	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 352-6AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 354-6AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 356-6AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-6AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 404-6AA60-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-6AA60-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.

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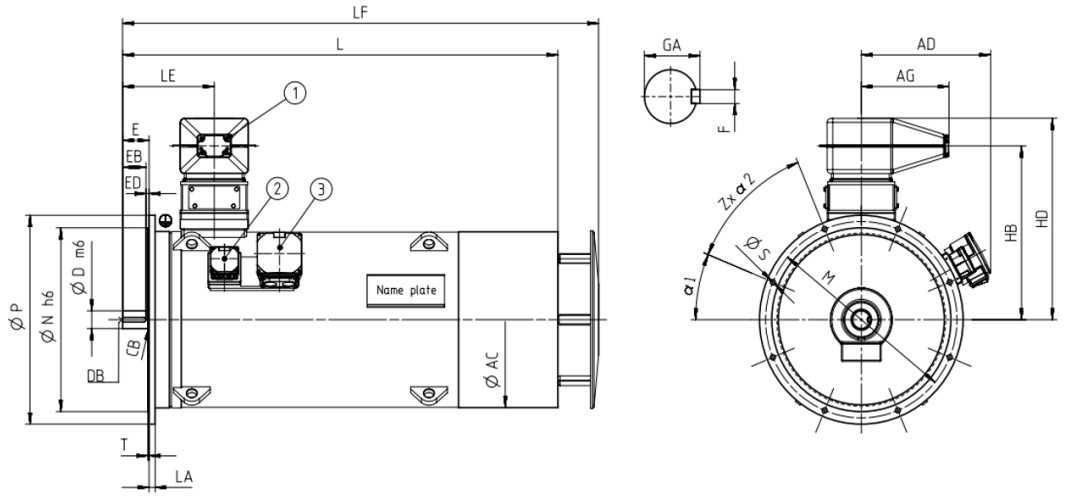
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 406-6AA60-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AA60-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-6AA60-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AA60-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AA60-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AA60-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AA60-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AA60-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AA60-4CG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AA60-4AG0	5475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AA60-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AA60-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AA60-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AA60-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AA60-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AA60-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AA60-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AA60-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AA60-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 354-8AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.

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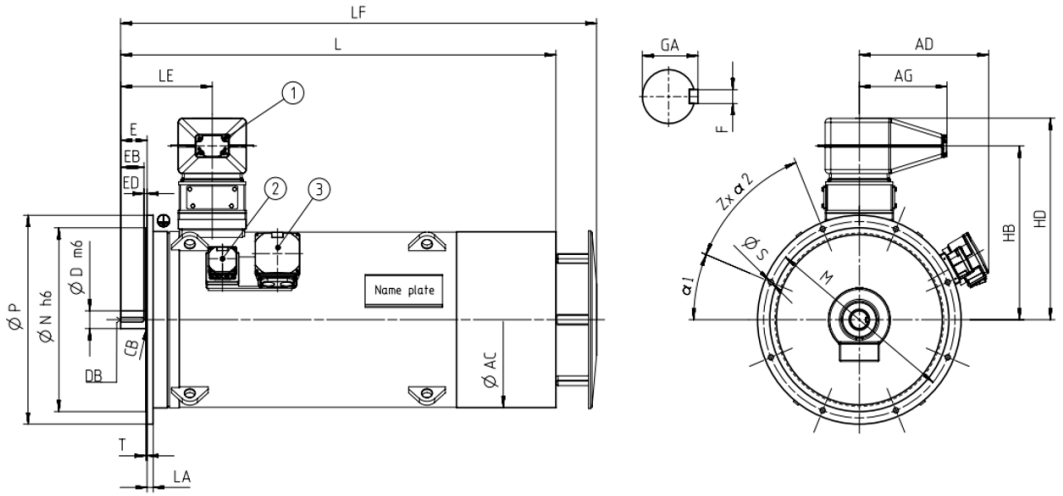
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 356-8AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-8AA60-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 404-8AA60-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-8AA60-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AA60-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AA60-4CG0	4105	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-8AA60-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AA60-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AA60-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AA60-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AA60-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AA60-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AA60-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AA60-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AA60-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AA60-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AA60-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AA60-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AA60-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AA60-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AA60-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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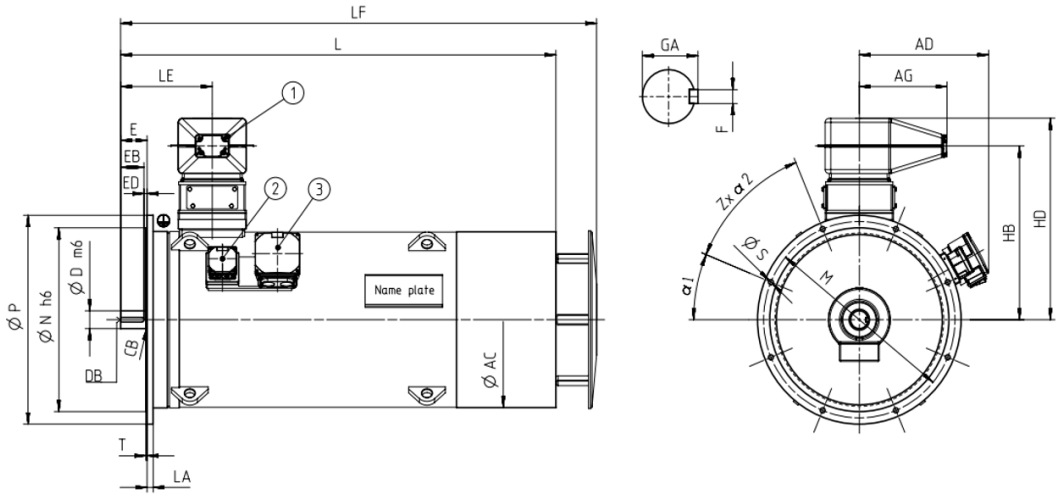
Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NC1 350-2AA64-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 352-2AA64-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 354-2AA64-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 356-2AA64-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 358-2AA64-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 402-2AA64-4AG0	4000	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 402-2AA64-4CG0	4100	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AA64-4AG0	4100	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AA64-4CG0	4200	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AA64-4AG0	4300	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AA64-4CG0	4400	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
4-pole													
1NC1 350-4AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 352-4AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 354-4AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 356-4AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-4AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-4AA64-4AG0	4200	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AA64-4CG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AA64-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8

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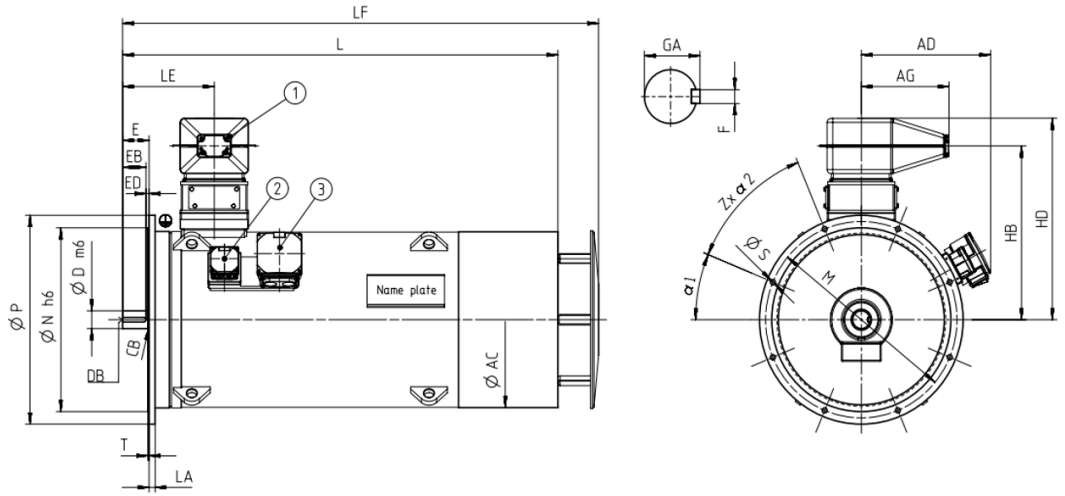
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 406-4AA64-4CG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-4AA64-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AA64-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AA64-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AA64-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AA64-4AG0	5800	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AA64-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AA64-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AA64-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AA64-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AA64-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AA64-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AA64-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AA64-4CG0	8900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AA64-4AG0	8700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AA64-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AA64-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AA64-4CG0	9900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AA64-4AG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AA64-4CG0	10400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AA64-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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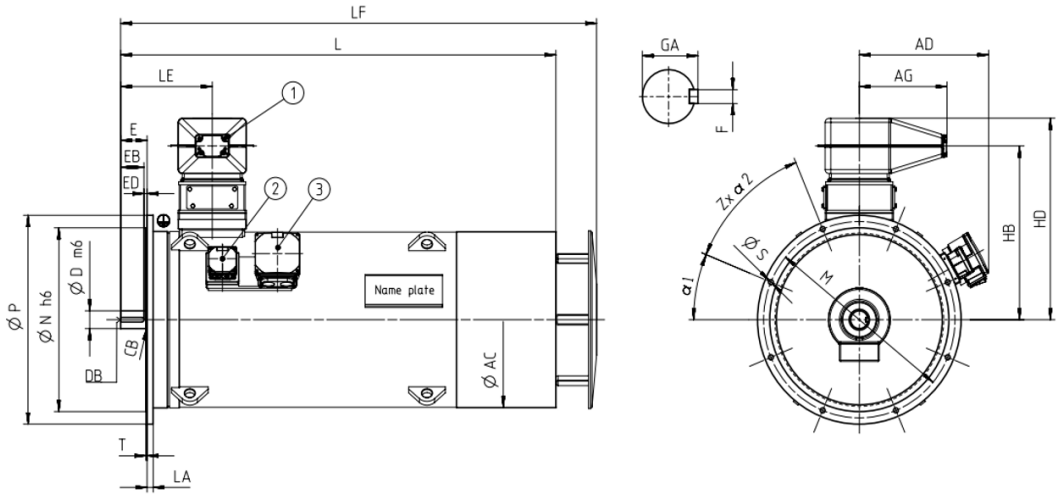
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NC1 352-6AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 354-6AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 356-6AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-6AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-6AA64-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-6AA64-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AA64-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AA64-4CG0	4800	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-6AA64-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AA64-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AA64-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AA64-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AA64-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AA64-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AA64-4CG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AA64-4AG0	6500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AA64-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AA64-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AA64-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AA64-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 506-6AA64-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AA64-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AA64-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AA64-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AA64-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole														
1NC1 354-8AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 356-8AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-8AA64-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-8AA64-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-8AA64-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AA64-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AA64-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-8AA64-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AA64-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AA64-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AA64-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AA64-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AA64-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AA64-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AA64-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 504-8AA64-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AA64-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AA64-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AA64-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AA64-4CG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AA64-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AA64-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3600 rpm at 60 Hz																		
280	**1NC1 350-2AA10-4AA0**	3576	32	94.9	94.8	95.5	95.0	0.81	0.84	0.82	0.78	748	2.20	1.05	5.1		3	25	1.00
330	**1NC1 352-2AA10-4AA0**	3578	36	95.3	95.3	95.9	95.4	0.83	0.85	0.83	0.78	881	2.40	1.15	5.5		4	35	1.00
400	**1NC1 354-2AA10-4AA0**	3575	44	95.1	95.6	95.7	95.1	0.83	0.86	0.84	0.82	1068	2.20	1.10	5.0		4	35	1.00
450	**1NC1 356-2AA10-4AA0**	3578	48	95.7	95.8	96.4	96.1	0.85	0.87	0.86	0.82	1201	2.40	1.20	5.6		5	40	1.00
500	**1NC1 358-2AA10-4AA0**	3578	52	95.6	95.9	96.1	95.6	0.86	0.88	0.86	0.83	1334	2.50	1.25	5.7		5	50	1.00
560	**1NC1 402-2AA10-4AG0**	3582	59	95.7	95.9	95.8	95.0	0.85	0.86	0.86	0.82	1493	2.25	0.95	5.3		7	55	0.85
560	**1NC1 402-2AA10-4CG0**	3577	57	95.7	95.9	95.9	95.1	0.88	0.89	0.88	0.84	1495	2.60	0.90	5.8		10	100	1.00
630	**1NC1 404-2AA10-4AG0**	3583	66	96.0	96.2	96.1	95.3	0.86	0.87	0.87	0.83	1679	2.40	1.00	5.5		8	55	0.90
630	**1NC1 404-2AA10-4CG0**	3578	64	96.0	96.1	96.1	95.4	0.89	0.89	0.89	0.85	1681	2.70	0.90	6.0		11	105	1.00
710	**1NC1 406-2AA10-4AG0**	3586	73	96.3	96.4	96.3	95.5	0.88	0.88	0.87	0.82	1891	2.75	1.10	6.4		9	65	1.00
710	**1NC1 406-2AA10-4CG0**	3581	71	96.2	96.4	96.3	95.6	0.91	0.91	0.89	0.84	1893	3.10	0.95	6.9		12	110	1.00
800	**1NC1 452-2AA10-4CG0**	3582	82	96.2	96.4	96.2	95.5	0.89	0.89	0.88	0.84	2133	2.55	0.85	6.0		15	105	1.00
900	**1NC1 454-2AA10-4CG0**	3582	91	96.4	96.6	96.5	95.8	0.90	0.90	0.89	0.85	2399	2.60	0.85	6.1		17	115	1.00
1000	**1NC1 456-2AA10-4CG0**	3583	100	96.6	96.7	96.6	96.0	0.90	0.90	0.89	0.85	2665	2.80	0.95	6.6		19	130	1.00
4-pole: n_{sync} = 1800 rpm at 60 Hz																		
300	**1NC1 350-4AA10-4AA0**	1783	34	94.8	94.7	95.5	95.1	0.82	0.82	0.80	0.73	1607	2.45	1.20	5.2		4	200	1.00
330	**1NC1 352-4AA10-4AA0**	1784	36	95.1	95.0	95.7	95.2	0.83	0.83	0.80	0.73	1766	2.55	1.30	5.6		5	250	1.00
370	**1NC1 354-4AA10-4AA0**	1785	41	95.0	95.1	95.4	94.8	0.84	0.84	0.81	0.74	1979	2.65	1.35	5.8		5	300	1.00
440	**1NC1 356-4AA10-4AA0**	1785	48	95.2	95.4	95.7	95.2	0.84	0.85	0.82	0.75	2354	2.70	1.40	5.9		6	350	1.00
550	**1NC1 358-4AA10-4AA0**	1785	59	95.6	95.7	96.1	95.6	0.85	0.86	0.83	0.76	2942	2.70	1.40	5.9		7	350	1.00
630	**1NC1 404-4AA10-4AG0**	1788	68	95.8	96.1	96.1	95.5	0.85	0.84	0.82	0.75	3365	2.65	1.30	5.7		10	300	1.00
630	**1NC1 404-4AA10-4CG0**	1788	67	95.9	96.2	96.2	95.6	0.85	0.85	0.83	0.77	3365	2.75	0.80	5.6		14	400	1.00
710	**1NC1 406-4AA10-4AG0**	1790	78	96.1	96.3	96.1	95.4	0.84	0.83	0.79	0.70	3788	3.15	1.50	6.7		12	250	1.00
710	**1NC1 406-4AA10-4CG0**	1790	77	96.2	96.3	96.2	95.5	0.85	0.84	0.81	0.73	3788	3.20	0.90	6.6		16	550	1.00
800	**1NC1 452-4AA10-4AG0**	1791	88	96.3	96.5	96.4	95.6	0.82	0.82	0.80	0.72	4265	2.50	1.20	5.8		18	350	1.00
800	**1NC1 452-4AA10-4CG0**	1792	87	96.2	96.4	96.3	95.5	0.84	0.83	0.81	0.73	4263	2.70	0.70	6.3		23	550	1.00
900	**1NC1 454-4AA10-4AG0**	1791	98	96.3	96.5	96.5	95.8	0.83	0.83	0.81	0.74	4799	2.50	1.25	5.8		20	350	1.00
900	**1NC1 454-4AA10-4CG0**	1792	96	96.3	96.5	96.4	95.7	0.85	0.85	0.82	0.74	4796	2.70	0.75	6.3		26	600	1.00
1000	**1NC1 456-4AA10-4AG0**	1791	108	96.4	96.7	96.7	96.1	0.84	0.84	0.81	0.75	5332	2.45	1.15	5.7		24	500	1.00
1000	**1NC1 456-4AA10-4CG0**	1792	106	96.4	96.7	96.6	95.9	0.85	0.85	0.82	0.75	5329	2.65	0.70	6.2		30	750	1.00
1120	**1NC1 502-4AA10-4CG0**	1792	120	96.1	96.2	96.0	95.1	0.84	0.85	0.84	0.78	5968	2.30	0.60	5.6		35	500	1.00
1120	**1NC1 502-4AA10-4AG0**	1790	122	95.9	96.0	95.8	94.9	0.83	0.84	0.83	0.77	5975	2.20	0.85	5.1		26	450	0.85
1250	**1NC1 504-4AA10-4CG0**	1792	132	96.3	96.4	96.2	95.4	0.86	0.86	0.85	0.80	6661	2.40	0.65	5.8		40	650	1.00
1250	**1NC1 504-4AA10-4AG0**	1791	134	96.1	96.2	96.1	95.3	0.84	0.85	0.84	0.79	6665	2.25	0.90	5.2		31	450	0.85
1400	**1NC1 506-4AA10-4AG0**	1792	150	96.4	96.5	96.3	95.4	0.85	0.85	0.83	0.77	7460	2.50	1.00	5.8		35	450	1.00
1400	**1NC1 506-4AA10-4CG0**	1793	148	96.5	96.6	96.4	95.6	0.86	0.86	0.85	0.78	7456	2.65	0.70	6.5		45	850	1.00

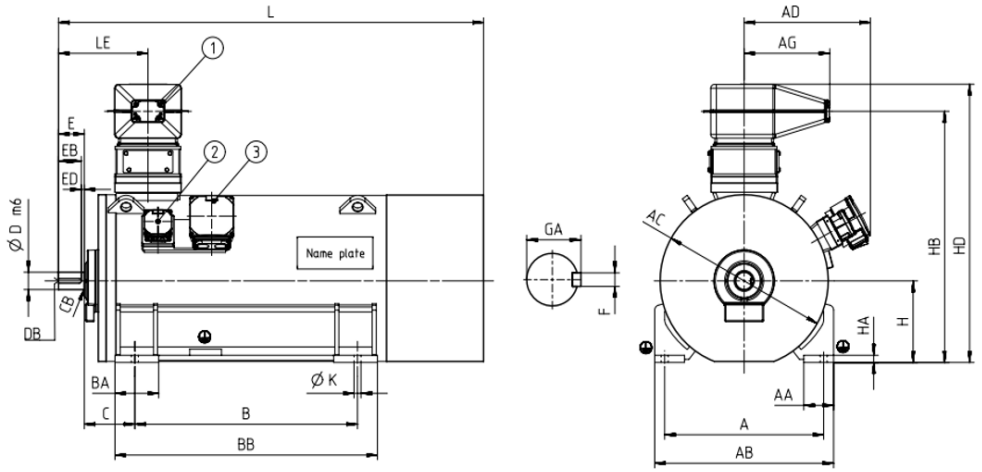
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SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
1600	**1NC1 560-4AA10-4CG0**	1792	170	96.2	96.3	96.0	95.0	0.82	0.85	0.84	0.79	8526	2.05	0.55	5.4	60	650	0.90
1600	**1NC1 560-4AA10-4AG0**	1792	176	96.1	96.1	95.8	94.6	0.81	0.83	0.83	0.78	8526	2.00	0.80	5.1	44	550	0.80
1800	**1NC1 562-4AA10-4CG0**	1792	190	96.5	96.6	96.3	95.4	0.83	0.86	0.85	0.80	9592	2.15	0.60	5.6	68	750	0.95
1800	**1NC1 562-4AA10-4AG0**	1792	194	96.3	96.4	96.1	95.0	0.82	0.84	0.84	0.79	9592	2.05	0.85	5.3	50	550	0.85
2000	**1NC1 564-4AA10-4CG0**	1793	210	96.7	96.8	96.5	95.7	0.85	0.87	0.86	0.80	10652	2.35	0.70	6.0	75	850	1.00
2000	**1NC1 564-4AA10-4AG0**	1793	210	96.6	96.6	96.3	95.3	0.84	0.86	0.84	0.79	10652	2.25	0.95	5.6	56	500	0.95
2200	**1NC1 566-4AA10-4AG0**	1793	230	96.8	96.8	96.5	95.6	0.85	0.86	0.85	0.79	11717	2.35	1.00	5.9	62	500	1.00
2200	**1NC1 566-4AA10-4CG0**	1793	225	96.9	97.0	96.7	95.9	0.86	0.88	0.86	0.80	11717	2.45	0.70	6.3	83	1000	1.00
6-pole: n_{sync} = 1200 rpm at 60 Hz																		
270	**1NC1 352-6AA10-4AA0**	1190	32	94.6	95.2	95.3	94.7	0.80	0.80	0.76	0.68	2167	2.55	1.20	5.3	10	300	1.00
300	**1NC1 354-6AA10-4AA0**	1189	35	94.8	95.3	95.5	95.1	0.79	0.80	0.76	0.69	2409	2.40	1.10	5.1	10	350	1.00
350	**1NC1 356-6AA10-4AA0**	1190	40	95.0	95.5	95.7	95.3	0.80	0.81	0.77	0.70	2809	2.45	1.15	5.2	12	400	1.00
420	**1NC1 358-6AA10-4AA0**	1190	48	95.2	95.7	95.9	95.5	0.81	0.81	0.77	0.70	3370	2.55	1.15	5.3	14	500	1.00
500	**1NC1 404-6AA10-4AG0**	1192	56	95.6	96.0	96.2	95.7	0.81	0.81	0.79	0.71	4006	2.45	1.15	5.5	20	900	1.00
500	**1NC1 404-6AA10-4CG0**	1193	55	95.8	96.1	96.2	95.5	0.83	0.83	0.80	0.72	4002	2.50	0.85	5.3	26	750	1.00
560	**1NC1 406-6AA10-4AG0**	1193	62	95.8	96.1	96.2	95.7	0.82	0.82	0.79	0.70	4482	2.65	1.30	5.8	23	1000	1.00
560	**1NC1 406-6AA10-4CG0**	1194	61	95.9	96.1	96.2	95.5	0.84	0.83	0.80	0.71	4479	2.70	0.95	5.7	30	800	1.00
630	**1NC1 452-6AA10-4AG0**	1193	72	95.9	96.2	96.2	95.6	0.79	0.80	0.78	0.71	5043	2.20	1.00	5.6	26	1950	1.00
630	**1NC1 452-6AA10-4CG0**	1193	69	96.0	96.3	96.3	95.8	0.83	0.83	0.80	0.73	5043	2.45	0.70	5.4	34	1400	1.00
710	**1NC1 454-6AA10-4AG0**	1193	80	96.0	96.3	96.3	95.8	0.80	0.81	0.79	0.73	5683	2.20	1.00	5.5	30	2200	1.00
710	**1NC1 454-6AA10-4CG0**	1193	77	96.2	96.5	96.4	96.0	0.84	0.84	0.81	0.74	5683	2.40	0.70	5.3	39	1550	1.00
800	**1NC1 456-6AA10-4AG0**	1194	89	96.2	96.4	96.4	95.8	0.82	0.82	0.79	0.72	6398	2.40	1.15	5.9	35	2400	1.00
800	**1NC1 456-6AA10-4CG0**	1194	86	96.3	96.5	96.5	95.9	0.85	0.84	0.81	0.73	6398	2.65	0.80	5.7	46	1800	1.00
900	**1NC1 500-6AA10-4CG0**	1194	95	96.1	96.4	96.5	96.0	0.86	0.86	0.84	0.79	7198	2.35	0.60	5.7	57	1150	0.95
900	**1NC1 500-6AA10-4AG0**	1192	100	95.8	96.3	96.5	96.2	0.79	0.81	0.81	0.77	7210	1.90	1.10	5.2	44	1000	0.85
1000	**1NC1 502-6AA10-4CG0**	1195	106	96.3	96.6	96.6	96.2	0.86	0.86	0.84	0.79	7991	2.40	0.60	5.9	65	1450	0.95
1000	**1NC1 502-6AA10-4AG0**	1193	112	96.0	96.4	96.7	96.4	0.80	0.81	0.81	0.77	8004	1.95	1.10	5.3	51	1100	0.85
1120	**1NC1 504-6AA10-4CG0**	1195	116	96.4	96.7	96.8	96.4	0.87	0.87	0.85	0.80	8950	2.45	0.65	6.0	74	1400	1.00
1120	**1NC1 504-6AA10-4AG0**	1193	122	96.2	96.6	96.8	96.5	0.82	0.83	0.82	0.78	8965	2.00	1.20	5.4	58	1050	0.90
1250	**1NC1 506-6AA10-4AG0**	1194	136	96.5	96.8	96.9	96.6	0.82	0.83	0.81	0.75	9997	2.25	1.30	6.1	65	1100	1.00
1250	**1NC1 506-6AA10-4CG0**	1196	132	96.7	96.9	96.9	96.4	0.87	0.86	0.84	0.77	9980	2.75	0.70	6.8	83	2150	1.00
1400	**1NC1 562-6AA10-4CG0**	1195	146	96.8	96.9	96.8	96.2	0.87	0.86	0.84	0.78	11187	3.00	0.60	6.1	116	2150	1.00
1600	**1NC1 564-6AA10-4CG0**	1195	166	96.9	97.1	97.0	96.5	0.87	0.87	0.85	0.80	12786	2.90	0.60	5.9	132	2250	1.00
1800	**1NC1 566-6AA10-4CG0**	1196	186	97.1	97.2	97.1	96.5	0.87	0.87	0.85	0.79	14372	3.05	0.60	6.3	147	2750	1.00
8-pole: n_{sync} = 900 rpm at 60 Hz																		
180	**1NC1 354-8AA10-4AA0**	888	21	93.2	94.2	94.5	94.2	0.79	0.79	0.75	0.67	1936	2.45	0.85	4.7	10	350	1.00
220	**1NC1 356-8AA10-4AA0**	889	26	93.7	94.6	94.9	94.6	0.80	0.80	0.75	0.66	2363	2.65	0.95	5.0	12	450	1.00

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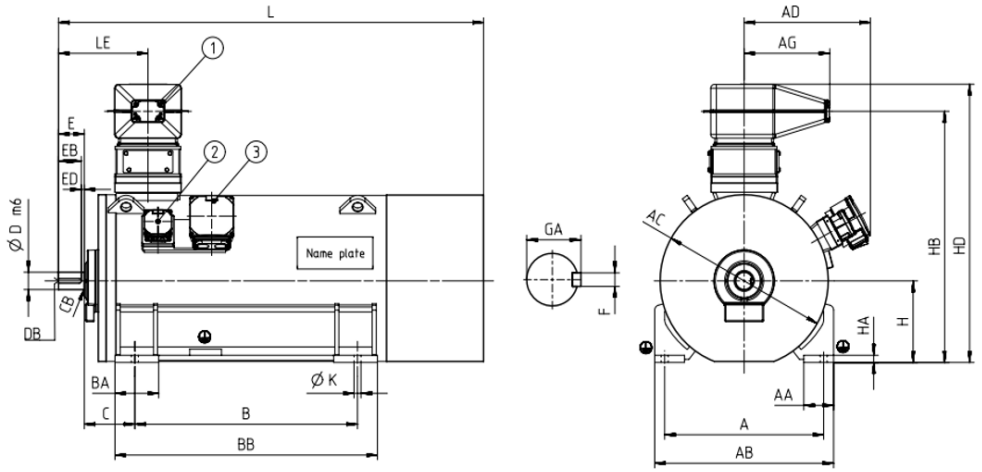
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
280	**1NC1 358-8AA10-4AA0**	890	32	94.2	94.9	95.2	94.8	0.80	0.79	0.74	0.64	3004	2.85	1.00	5.3	14	700	1.00
375	**1NC1 404-8AA10-4AG0**	892	44	95.4	95.8	95.9	95.3	0.80	0.79	0.74	0.64	4015	2.60	1.05	5.4	20	1450	1.00
375	**1NC1 404-8AA10-4CG0**	894	44	95.6	95.9	95.8	95.1	0.81	0.79	0.74	0.63	4006	2.45	0.85	4.7	26	1200	1.00
420	**1NC1 406-8AA10-4AG0**	893	48	95.6	95.9	95.9	95.3	0.81	0.79	0.74	0.63	4491	2.80	1.15	5.7	23	1500	1.00
420	**1NC1 406-8AA10-4CG0**	894	48	95.7	95.9	95.8	95.0	0.81	0.79	0.73	0.62	4486	2.60	0.90	5.0	30	1250	1.00
560	**1NC1 452-8AA10-4AG0**	893	66	95.4	95.9	95.9	95.3	0.77	0.77	0.74	0.66	5988	2.25	1.00	4.9	26	2500	1.00
560	**1NC1 452-8AA10-4CG0**	894	65	95.6	95.9	95.9	95.2	0.81	0.79	0.75	0.67	5982	2.35	0.75	4.4	35	1850	1.00
630	**1NC1 454-8AA10-4AG0**	893	74	95.6	96.0	96.1	95.5	0.79	0.78	0.75	0.67	6737	2.25	1.00	4.9	30	2700	1.00
630	**1NC1 454-8AA10-4CG0**	894	72	95.7	96.1	96.0	95.3	0.81	0.80	0.76	0.68	6729	2.35	0.75	4.5	39	1900	1.00
710	**1NC1 456-8AA10-4AG0**	894	82	95.7	96.1	96.2	95.6	0.79	0.79	0.76	0.68	7584	2.30	1.00	5.0	35	2600	1.00
710	**1NC1 456-8AA10-4CG0**	894	81	95.8	96.2	96.1	95.5	0.82	0.80	0.77	0.69	7584	2.35	0.75	4.6	46	1850	1.00
710	**1NC1 502-8AA10-4CG0**	895	77	95.5	95.8	95.5	94.8	0.85	0.84	0.81	0.73	7575	2.55	0.70	5.6	65	2150	1.00
710	**1NC1 502-8AA10-4AG0**	894	81	95.5	95.9	95.9	95.4	0.80	0.80	0.78	0.71	7584	2.15	0.70	5.3	50	2300	0.95
800	**1NC1 504-8AA10-4AG0**	894	90	95.6	96.0	95.9	95.5	0.81	0.81	0.78	0.71	8545	2.20	0.70	5.4	56	2200	1.00
800	**1NC1 504-8AA10-4CG0**	895	87	95.6	95.8	95.6	94.9	0.86	0.84	0.81	0.72	8536	2.60	0.70	5.7	73	2150	1.00
900	**1NC1 506-8AA10-4CG0**	895	98	95.7	96.0	95.7	95.1	0.86	0.84	0.81	0.73	9603	2.65	0.80	5.8	83	2200	1.00
900	**1NC1 506-8AA10-4AG0**	894	102	95.7	96.1	96.0	95.6	0.82	0.81	0.79	0.71	9613	2.25	0.75	5.5	64	2250	1.00
1000	**1NC1 562-8AA10-4CG0**	896	110	96.4	96.5	96.4	95.7	0.85	0.83	0.80	0.72	10658	2.75	0.65	5.4	115	3700	1.00
1120	**1NC1 564-8AA10-4CG0**	896	120	96.5	96.7	96.6	95.9	0.85	0.84	0.81	0.73	11937	2.75	0.60	5.5	132	5050	1.00
1250	**1NC1 566-8AA10-4CG0**	896	136	96.6	96.7	96.6	95.9	0.85	0.83	0.80	0.71	13322	3.00	0.65	5.9	147	5250	1.00

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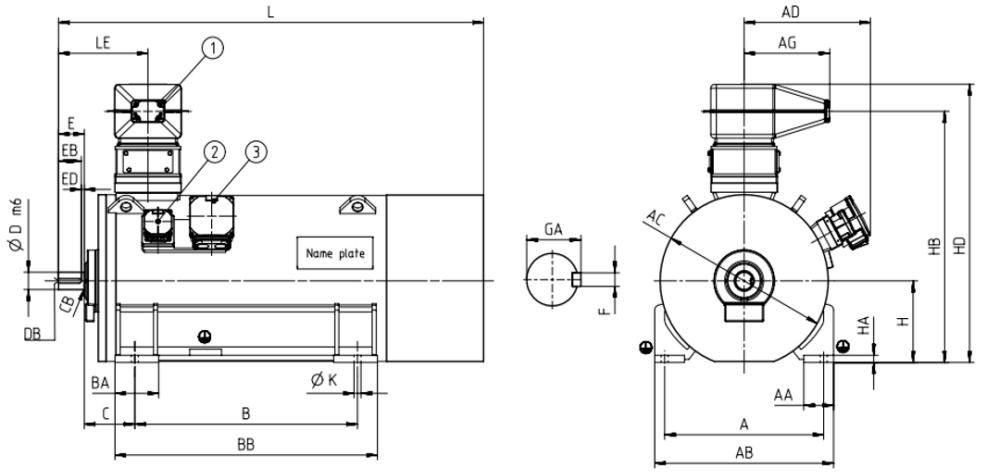
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 350-2AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 352-2AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 354-2AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 356-2AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 358-2AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 402-2AA10-4AG0	3405	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 402-2AA10-4CG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AA10-4AG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AA10-4CG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AA10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AA10-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 452-2AA10-4CG0	o.r.	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AA10-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AA10-4CG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
4-pole																			
1NC1 350-4AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 352-4AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 354-4AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 356-4AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-4AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.

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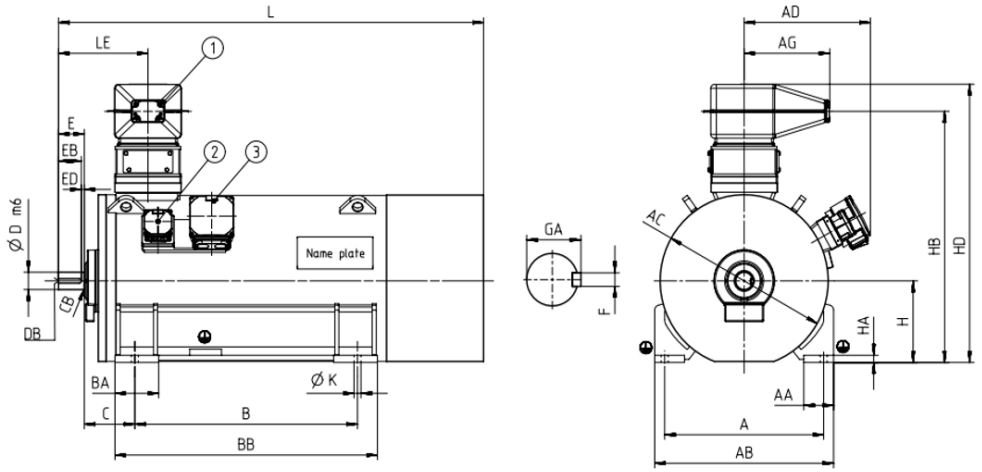
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 404-4AA10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-4AA10-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AA10-4AG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AA10-4CG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-4AA10-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AA10-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AA10-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AA10-4CG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AA10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AA10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AA10-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AA10-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AA10-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AA10-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AA10-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AA10-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 560-4AA10-4CG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 560-4AA10-4AG0	7395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AA10-4CG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AA10-4AG0	7895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AA10-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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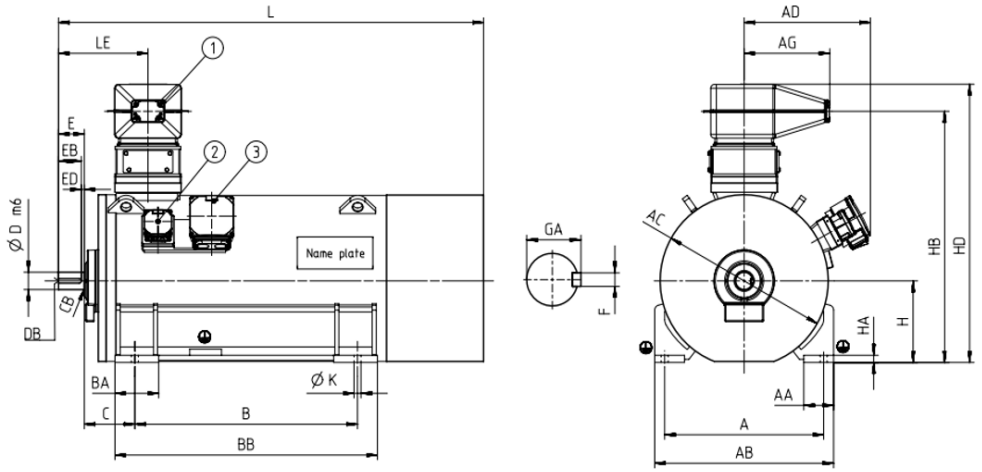
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 564-4AA10-4AG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AA10-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AA10-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 352-6AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 354-6AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 356-6AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-6AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 404-6AA10-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-6AA10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AA10-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AA10-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-6AA10-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AA10-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AA10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AA10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AA10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AA10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AA10-4CG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AA10-4AG0	5475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AA10-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.

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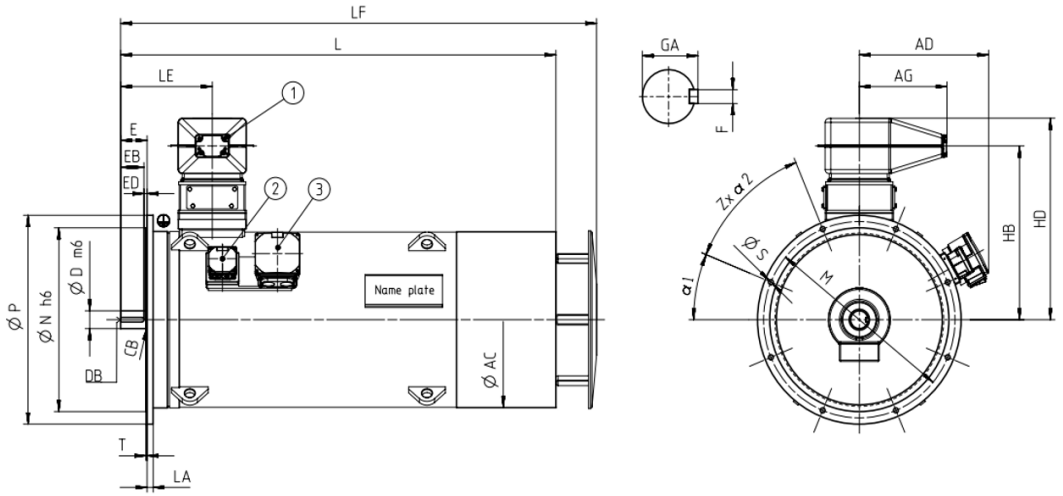
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 502-6AA10-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AA10-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AA10-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AA10-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AA10-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AA10-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AA10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AA10-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 354-8AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 356-8AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-8AA10-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 404-8AA10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-8AA10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AA10-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AA10-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-8AA10-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AA10-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AA10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AA10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AA10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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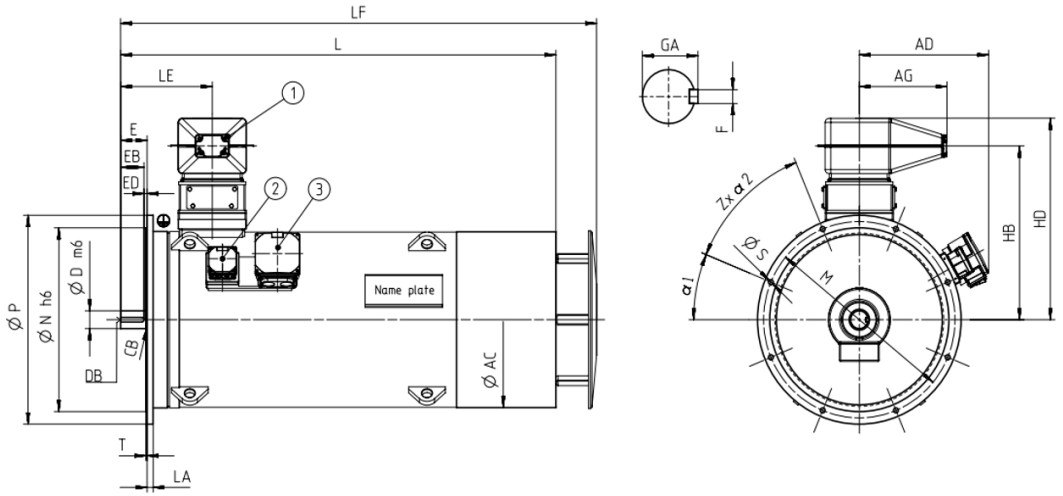
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-8AA10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AA10-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AA10-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AA10-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AA10-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AA10-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AA10-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AA10-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AA10-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AA10-4CG0	9395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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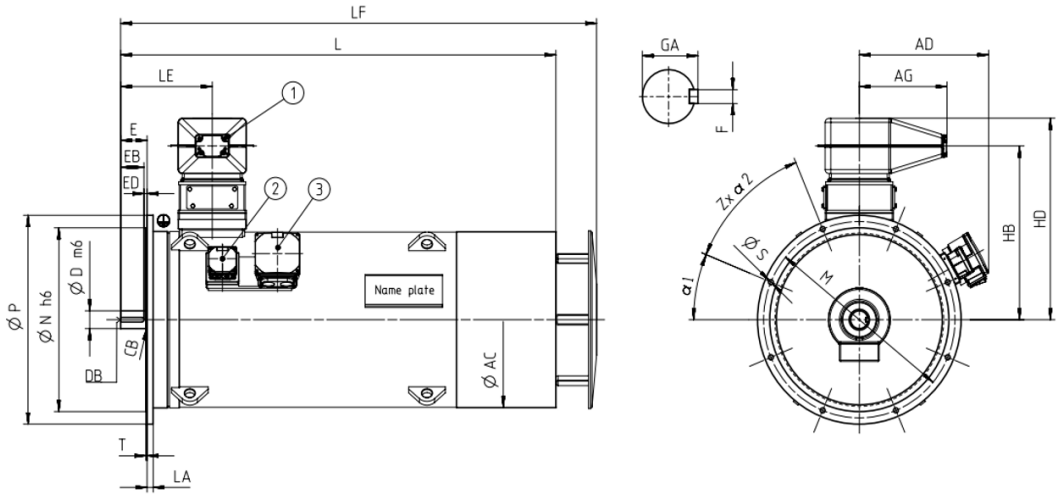
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NC1 350-2AA14-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 352-2AA14-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 354-2AA14-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 356-2AA14-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 358-2AA14-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
4-pole													
1NC1 350-4AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 352-4AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 354-4AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 356-4AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-4AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-4AA14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AA14-4CG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AA14-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AA14-4CG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-4AA14-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AA14-4CG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AA14-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AA14-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AA14-4AG0	5800	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8

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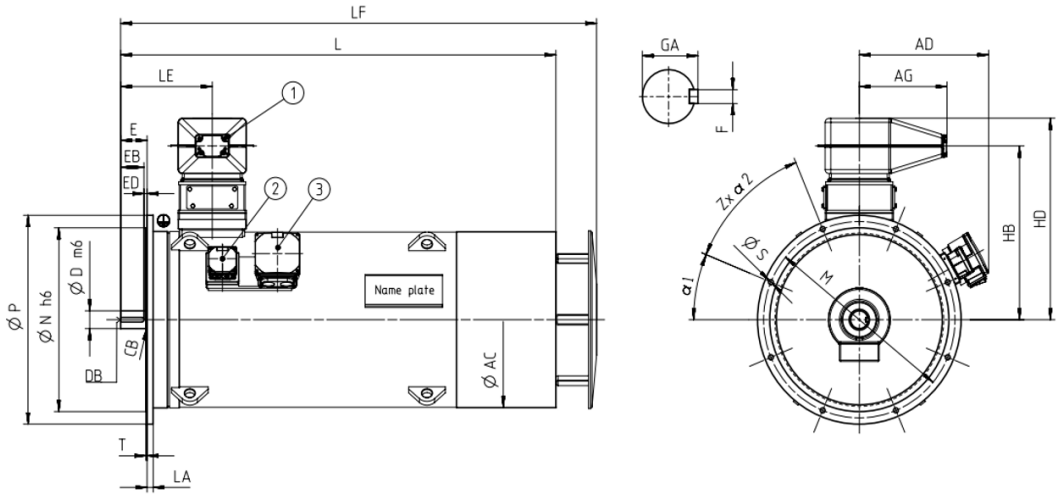
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 456-4AA14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AA14-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AA14-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AA14-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AA14-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AA14-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AA14-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AA14-4CG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AA14-4AG0	8700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AA14-4CG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AA14-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AA14-4CG0	9900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AA14-4AG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AA14-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AA14-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
6-pole														
1NC1 352-6AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 354-6AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 356-6AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-6AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-6AA14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8

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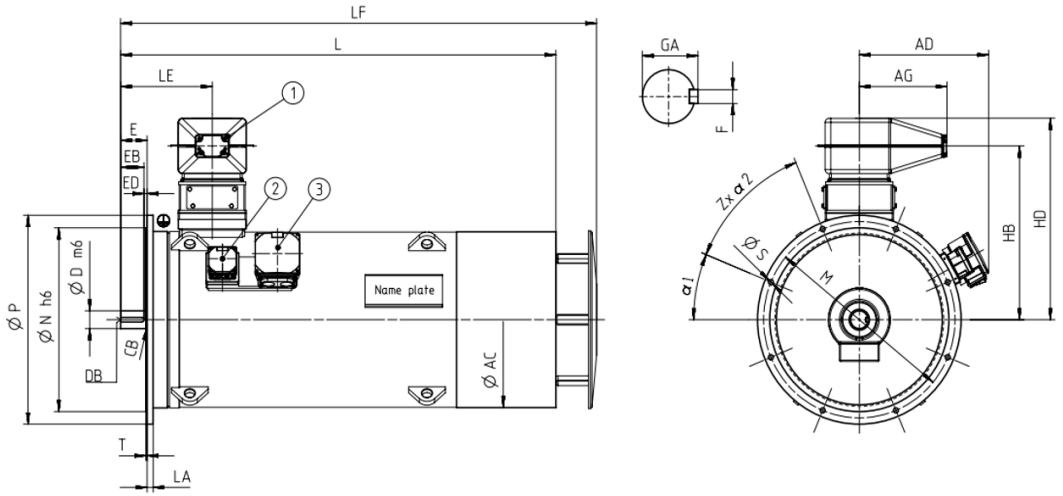
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 404-6AA14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AA14-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AA14-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-6AA14-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AA14-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AA14-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AA14-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AA14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AA14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AA14-4CG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AA14-4AG0	6500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AA14-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AA14-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AA14-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AA14-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AA14-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AA14-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AA14-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AA14-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AA14-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 354-8AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 356-8AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-8AA14-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-8AA14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-8AA14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AA14-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AA14-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-8AA14-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AA14-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AA14-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AA14-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AA14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AA14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AA14-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AA14-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AA14-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AA14-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AA14-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AA14-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AA14-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AA14-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 6600 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 566-8AA14-4CG0	10700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R		I_{LR}/I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
2-pole: n_{sync} = 3000 rpm at 50 Hz																		
260	**1NC1 354-2AA80-4AA0**	2977	19	94.3	95.1	95.3	94.9	0.84	0.86	0.85	0.82	834	2.25	1.05		5.0		4	o.r.	o.r.
330	**1NC1 356-2AA80-4AA0**	2979	23	94.8	95.5	95.7	95.4	0.85	0.86	0.85	0.82	1058	2.40	1.20		5.4		5	o.r.	o.r.
380	**1NC1 358-2AA80-4AA0**	2979	26	95.0	95.7	96.0	95.7	0.86	0.87	0.86	0.83	1218	2.45	1.25		5.5		5	o.r.	o.r.
400	**1NC1 402-2AA80-4AG0**	2984	28	95.3	95.6	95.7	95.2	0.87	0.87	0.86	0.82	1280	2.40	0.95		5.4		7	35	0.95
400	**1NC1 402-2AA80-4CG0**	2979	27	95.2	95.6	95.7	95.1	0.89	0.89	0.88	0.83	1282	2.75	0.95		6.0		10	50	1.00
450	**1NC1 404-2AA80-4AG0**	2982	31	95.3	95.8	96.0	95.6	0.87	0.88	0.87	0.84	1441	2.25	0.90		5.1		8	35	0.90
450	**1NC1 404-2AA80-4CG0**	2977	30	95.3	95.7	95.9	95.5	0.90	0.90	0.89	0.85	1443	2.55	0.90		5.6		11	50	1.00
500	**1NC1 406-2AA80-4AG0**	2984	34	95.7	96.0	96.2	95.8	0.88	0.89	0.88	0.84	1600	2.45	1.00		5.5		9	35	1.00
500	**1NC1 406-2AA80-4CG0**	2979	34	95.6	95.9	96.1	95.8	0.90	0.90	0.90	0.85	1603	2.75	0.95		6.0		12	55	1.00
630	**1NC1 452-2AA80-4AG0**	2984	43	96.2	96.5	96.5	96.1	0.88	0.88	0.87	0.82	2016	2.55	1.20		6.0		11	120	1.00
630	**1NC1 452-2AA80-4CG0**	2983	42	96.1	96.4	96.4	95.9	0.90	0.89	0.88	0.83	2017	2.75	0.95		6.4		15	150	1.00
710	**1NC1 454-2AA80-4AG0**	2983	48	96.3	96.6	96.7	96.4	0.88	0.89	0.88	0.84	2273	2.45	1.20		5.7		13	125	1.00
710	**1NC1 454-2AA80-4CG0**	2982	47	96.2	96.5	96.6	96.2	0.90	0.90	0.89	0.85	2274	2.65	0.90		6.1		17	150	1.00
800	**1NC1 456-2AA80-4AG0**	2986	53	96.6	96.9	96.9	96.4	0.90	0.90	0.88	0.83	2558	2.85	1.50		6.7		15	120	1.00
800	**1NC1 456-2AA80-4CG0**	2985	52	96.5	96.8	96.8	96.3	0.91	0.91	0.89	0.84	2559	3.05	1.05		7.1		19	200	1.00
900	**1NC1 502-2AA80-4CG0**	2986	60	96.3	96.4	96.3	95.7	0.89	0.90	0.89	0.84	2878	2.90	0.75		6.0		24	200	1.00
900	**1NC1 502-2AA80-4AG0**	2985	61	96.3	96.5	96.5	96.0	0.87	0.88	0.87	0.84	2879	2.55	0.75		5.5		19	95	0.85
1000	**1NC1 504-2AA80-4CG0**	2988	66	96.5	96.6	96.5	95.8	0.90	0.90	0.89	0.83	3196	3.20	0.80		6.8		27	250	1.00
1000	**1NC1 504-2AA80-4AG0**	2987	68	96.6	96.7	96.7	96.1	0.88	0.88	0.88	0.83	3197	2.90	0.85		6.2		21	105	1.00
1120	**1NC1 506-2AA80-4AG0**	2988	75	96.8	96.9	96.8	96.3	0.90	0.89	0.88	0.83	3579	3.20	1.00		6.9		24	140	1.00
1120	**1NC1 506-2AA80-4CG0**	2989	73	96.7	96.8	96.7	96.0	0.91	0.91	0.89	0.84	3578	3.50	0.85		7.5		31	250	1.00
1250	**1NC1 564-2AA80-4CG0**	2988	82	96.6	96.8	96.7	96.0	0.90	0.91	0.91	0.88	3995	2.55	0.60		5.6		46	350	0.80
1400	**1NC1 566-2AA80-4CG0**	2989	91	96.9	97.0	96.9	96.3	0.91	0.92	0.91	0.88	4473	2.75	0.65		6.1		51	400	0.85
4-pole: n_{sync} = 1500 rpm at 50 Hz																		
320	**1NC1 356-4AA80-4AA0**	1484	23	94.3	95.1	95.5	95.3	0.84	0.85	0.83	0.79	2059	2.45	1.25		5.3		6	o.r.	o.r.
400	**1NC1 358-4AA80-4AA0**	1484	28	94.4	95.4	95.4	95.1	0.86	0.87	0.85	0.80	2574	2.50	1.35		5.5		8	o.r.	o.r.
450	**1NC1 404-4AA80-4AG0**	1488	32	95.3	95.7	95.9	95.5	0.85	0.85	0.83	0.77	2888	2.55	1.15		5.2		10	550	1.00
450	**1NC1 404-4AA80-4CG0**	1488	32	95.4	95.8	96.0	95.7	0.86	0.85	0.84	0.79	2888	2.60	0.80		5.3		14	400	1.00
500	**1NC1 406-4AA80-4AG0**	1488	35	95.5	95.9	96.1	95.8	0.86	0.86	0.84	0.78	3209	2.55	1.20		5.3		12	600	1.00
500	**1NC1 406-4AA80-4CG0**	1488	35	95.5	96.0	96.2	95.9	0.86	0.86	0.85	0.79	3209	2.65	0.80		5.4		16	450	1.00
560	**1NC1 450-4AA80-4AG0**	1491	41	95.8	96.1	96.2	95.6	0.83	0.82	0.79	0.72	3587	2.55	1.20		5.8		16	600	1.00
560	**1NC1 450-4AA80-4CG0**	1492	40	95.8	96.1	96.1	95.4	0.84	0.83	0.80	0.72	3584	2.75	0.80		6.3		21	450	1.00
630	**1NC1 452-4AA80-4AG0**	1491	46	95.8	96.2	96.3	95.8	0.83	0.83	0.80	0.72	4035	2.55	1.20		5.8		18	550	1.00
630	**1NC1 452-4AA80-4CG0**	1492	45	95.9	96.2	96.2	95.7	0.85	0.84	0.81	0.73	4032	2.80	0.80		6.3		23	450	1.00
710	**1NC1 454-4AA80-4AG0**	1491	51	96.0	96.4	96.5	96.1	0.84	0.83	0.81	0.74	4547	2.50	1.20		5.6		20	700	1.00
710	**1NC1 454-4AA80-4CG0**	1492	50	96.1	96.4	96.5	95.9	0.85	0.85	0.82	0.74	4544	2.70	0.80		6.2		26	550	1.00

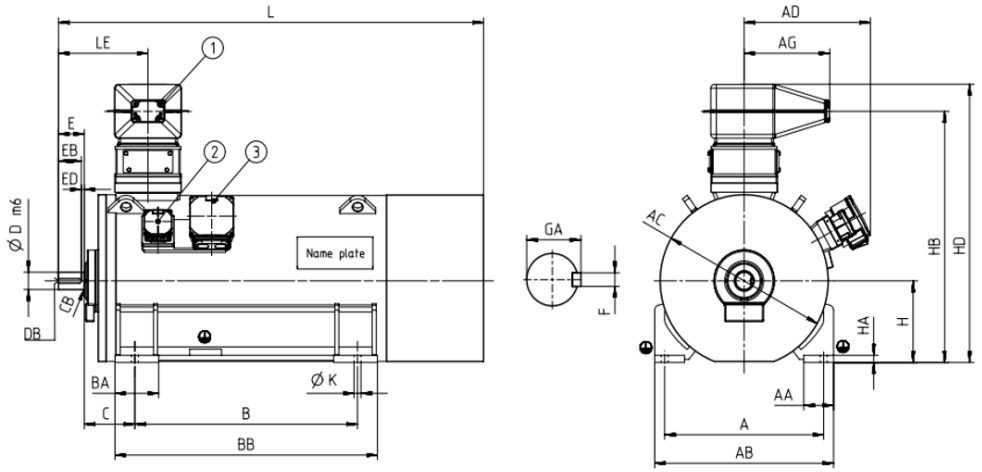
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SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque	Locked rotor current		Inertia	
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/T_R	T_{LR}/T_R	I_{LR}/I_R	motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]	[-]	kgm^2	kgm^2	[-]
800	**1NC1 456-4AA80-4AG0**	1492	57	96.2	96.6	96.6	96.2	0.84	0.84	0.81	0.73	5120	2.65	1.25	6.0	24	850	1.00
800	**1NC1 456-4AA80-4CG0**	1492	56	96.3	96.6	96.6	96.1	0.86	0.85	0.82	0.74	5120	2.90	0.85	6.6	30	650	1.00
900	**1NC1 502-4AA80-4CG0**	1492	64	95.9	96.2	96.2	95.6	0.84	0.85	0.84	0.78	5760	2.35	0.65	5.7	35	700	1.00
900	**1NC1 502-4AA80-4AG0**	1490	64	95.8	96.1	96.1	95.5	0.83	0.84	0.83	0.77	5768	2.20	0.85	5.1	26	1000	0.90
1000	**1NC1 504-4AA80-4CG0**	1492	70	96.1	96.3	96.3	95.8	0.86	0.86	0.85	0.79	6400	2.45	0.75	5.9	40	700	1.00
1000	**1NC1 504-4AA80-4AG0**	1492	71	96.1	96.3	96.2	95.5	0.84	0.84	0.82	0.74	6400	2.65	1.05	6.1	31	1000	1.00
1120	**1NC1 506-4AA80-4AG0**	1493	79	96.3	96.5	96.4	95.7	0.85	0.85	0.82	0.73	7164	2.90	1.20	6.5	35	1050	1.00
1120	**1NC1 506-4AA80-4CG0**	1493	77	96.3	96.5	96.5	95.9	0.86	0.87	0.85	0.78	7164	2.75	0.80	6.6	45	800	1.00
1250	**1NC1 560-4AA80-4CG0**	1493	87	96.2	96.4	96.3	95.5	0.85	0.86	0.84	0.78	7995	2.40	0.75	6.0	60	1150	1.00
1250	**1NC1 560-4AA80-4AG0**	1493	88	96.2	96.3	96.2	95.4	0.83	0.85	0.83	0.76	7995	2.30	0.95	5.7	44	1150	1.00
1400	**1NC1 562-4AA80-4CG0**	1492	97	96.4	96.6	96.6	95.9	0.84	0.86	0.85	0.80	8960	2.20	0.60	5.5	68	1150	1.00
1400	**1NC1 562-4AA80-4AG0**	1492	99	96.3	96.5	96.5	95.8	0.83	0.85	0.84	0.79	8960	2.10	0.85	5.2	50	1300	0.90
1600	**1NC1 564-4AA80-4CG0**	1493	110	96.7	96.9	96.8	96.2	0.85	0.87	0.85	0.79	10234	2.40	0.70	6.1	75	1400	1.00
1600	**1NC1 564-4AA80-4AG0**	1493	112	96.6	96.8	96.7	96.0	0.84	0.85	0.84	0.78	10234	2.30	0.95	5.7	56	1100	1.00
1800	**1NC1 566-4AA80-4CG0**	1494	122	96.9	97.0	97.0	96.4	0.87	0.88	0.86	0.79	11505	2.60	0.80	6.6	83	1450	1.00
1800	**1NC1 566-4AA80-4AG0**	1494	124	96.8	96.9	96.9	96.2	0.86	0.87	0.84	0.78	11505	2.50	1.10	6.1	62	1100	1.00
6-pole: n_{sync} = 1000 rpm at 50 Hz																		
560	**1NC1 454-6AA80-4AG0**	994	42	95.5	96.0	96.1	95.7	0.80	0.81	0.78	0.71	5380	2.40	1.10	5.8	30	1350	1.00
560	**1NC1 454-6AA80-4CG0**	994	40	95.7	96.1	96.2	95.8	0.84	0.83	0.80	0.72	5380	2.65	0.80	5.7	39	1150	1.00
630	**1NC1 456-6AA80-4AG0**	994	46	95.8	96.2	96.2	95.7	0.82	0.81	0.77	0.69	6052	2.70	1.30	6.5	35	1750	1.00
630	**1NC1 456-6AA80-4CG0**	994	46	96.0	96.2	96.2	95.7	0.85	0.83	0.79	0.69	6052	2.95	0.95	6.3	46	1400	1.00
710	**1NC1 500-6AA80-4CG0**	994	50	95.6	96.1	96.3	96.1	0.86	0.86	0.85	0.79	6821	2.35	0.65	5.6	57	750	1.00
710	**1NC1 500-6AA80-4AG0**	994	53	95.6	96.0	96.3	96.0	0.81	0.81	0.79	0.72	6821	2.25	1.30	6.0	44	1500	1.00
800	**1NC1 502-6AA80-4CG0**	995	56	95.9	96.3	96.5	96.2	0.86	0.86	0.84	0.78	7678	2.40	0.65	5.9	65	950	1.00
800	**1NC1 502-6AA80-4AG0**	994	59	95.8	96.2	96.4	96.1	0.83	0.82	0.80	0.73	7686	2.35	1.35	6.1	51	1600	1.00
900	**1NC1 504-6AA80-4CG0**	995	62	96.0	96.4	96.6	96.4	0.87	0.87	0.85	0.79	8638	2.50	0.70	6.1	74	1000	1.00
900	**1NC1 504-6AA80-4AG0**	994	66	96.0	96.4	96.6	96.3	0.82	0.82	0.80	0.73	8646	2.40	1.35	6.3	58	2250	1.00
1000	**1NC1 506-6AA80-4CG0**	996	69	96.2	96.5	96.7	96.4	0.88	0.87	0.84	0.77	9588	2.70	0.80	6.6	83	1050	1.00
1000	**1NC1 506-6AA80-4AG0**	995	72	96.2	96.5	96.7	96.4	0.84	0.83	0.80	0.72	9597	2.65	1.55	6.9	65	2200	1.00
1120	**1NC1 562-6AA80-4CG0**	995	77	96.6	96.9	96.9	96.5	0.87	0.87	0.85	0.78	10749	2.95	0.65	6.0	116	2000	1.00
1250	**1NC1 564-6AA80-4CG0**	995	86	96.6	96.9	97.0	96.6	0.88	0.87	0.85	0.79	11997	2.95	0.65	6.0	132	1750	1.00
1400	**1NC1 566-6AA80-4CG0**	996	96	96.8	97.0	97.1	96.7	0.88	0.87	0.85	0.78	13423	3.15	0.70	6.4	147	2200	1.00
8-pole: n_{sync} = 750 rpm at 50 Hz																		
375	**1NC1 452-8AA80-4AG0**	744	30	94.4	95.0	95.1	94.6	0.79	0.77	0.73	0.64	4813	2.45	1.15	5.2	26	1000	1.00
375	**1NC1 452-8AA80-4CG0**	745	29	94.6	95.0	95.1	94.4	0.81	0.79	0.74	0.65	4807	2.50	0.90	4.8	35	850	1.00
420	**1NC1 454-8AA80-4AG0**	744	33	94.7	95.2	95.3	94.7	0.79	0.77	0.73	0.64	5391	2.55	1.15	5.5	30	1350	1.00
420	**1NC1 454-8AA80-4CG0**	745	32	94.9	95.3	95.3	94.6	0.81	0.79	0.74	0.64	5383	2.65	0.90	5.0	39	1150	1.00

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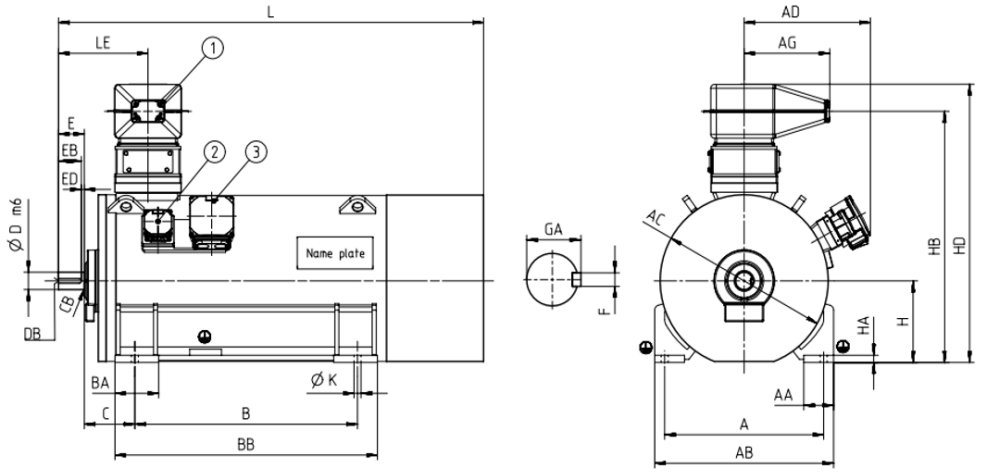
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001)																		
Rated	**High Voltage motor HV C**	Speed	Rated current	Efficiency				Power factor				Torque	Breakdown torque	Locked rotor torque		Locked rotor current		Inertia		
Power **IEC**	**Article No.**		I_R	5/4 load	4/4 load	3/4 load	2/4 load	5/4 load	4/4 load	3/4 load	2/4 load	T_R	T_B/ T_R	T_{LR}/ T_R		I_{LR}/ I_R		motor	external	Startup max T/TR
kW		rpm	A	%	%	%	%	cos φ	cos φ	cos φ	cos φ	Nm	[-]	[-]		[-]		kgm^2	kgm^2	[-]
470	**1NC1 456-8AA80-4AG0**	745	36	95.2	95.6	95.6	95.0	0.80	0.78	0.74	0.64	6024	2.70	1.25		5.7		35	2000	1.00
470	**1NC1 456-8AA80-4CG0**	745	36	95.3	95.6	95.5	94.8	0.81	0.79	0.74	0.64	6024	2.75	0.95		5.2		46	1650	1.00
560	**1NC1 502-8AA80-4CG0**	745	40	94.9	95.4	95.4	94.9	0.86	0.84	0.81	0.73	7178	2.45	0.70		5.3		65	1200	1.00
560	**1NC1 502-8AA80-4AG0**	745	42	95.0	95.5	95.5	95.1	0.81	0.80	0.76	0.67	7178	2.40	0.80		5.8		50	1450	1.00
630	**1NC1 504-8AA80-4CG0**	745	46	95.2	95.6	95.5	95.0	0.86	0.84	0.81	0.72	8075	2.55	0.75		5.7		73	1550	1.00
630	**1NC1 504-8AA80-4AG0**	745	48	95.1	95.6	95.6	95.2	0.82	0.80	0.77	0.68	8075	2.45	0.85		5.9		56	1450	1.00
710	**1NC1 506-8AA80-4CG0**	746	51	95.4	95.7	95.5	94.9	0.86	0.84	0.79	0.70	9088	2.85	0.85		6.3		83	1850	1.00
710	**1NC1 506-8AA80-4AG0**	746	53	95.4	95.8	95.7	95.1	0.82	0.80	0.75	0.65	9088	2.75	1.00		6.5		64	1800	1.00
800	**1NC1 562-8AA80-4CG0**	746	58	96.1	96.4	96.5	96.0	0.85	0.83	0.80	0.72	10241	2.75	0.70		5.4		115	2800	1.00
900	**1NC1 564-8AA80-4CG0**	746	65	96.3	96.6	96.6	96.2	0.85	0.83	0.80	0.72	11521	2.80	0.70		5.6		132	4400	1.00
1000	**1NC1 566-8AA80-4CG0**	746	71	96.4	96.7	96.7	96.3	0.85	0.84	0.80	0.72	12801	2.85	0.70		5.6		147	5100	1.00

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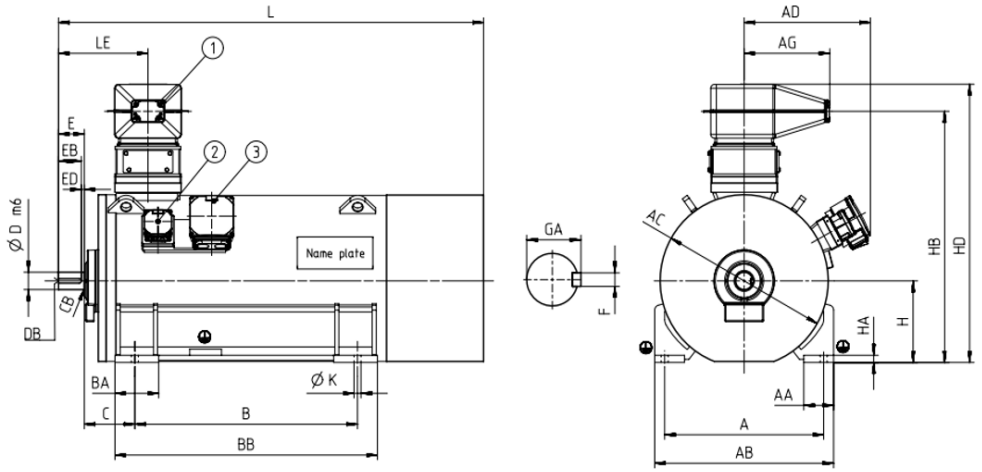
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 354-2AA80-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 356-2AA80-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 358-2AA80-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	75	140	355	1227	o.r.	1359	o.r.	2031	o.r.
1NC1 402-2AA80-4AG0	3405	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	85	130	400	1274	o.r.	1472	o.r.	2138	o.r.
1NC1 402-2AA80-4CG0	3405	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	85	130	400	1274	o.r.	1472	o.r.	2138	o.r.
1NC1 404-2AA80-4AG0	3505	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	85	130	400	1274	o.r.	1472	o.r.	2138	o.r.
1NC1 404-2AA80-4CG0	3605	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	85	130	400	1274	o.r.	1472	o.r.	2138	o.r.
1NC1 406-2AA80-4AG0	3705	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	85	130	400	1274	o.r.	1472	o.r.	2138	o.r.
1NC1 406-2AA80-4CG0	3805	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	85	130	400	1274	o.r.	1472	o.r.	2138	o.r.
1NC1 452-2AA80-4AG0	4525	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	95	130	450	1364	o.r.	1562	o.r.	2274	o.r.
1NC1 452-2AA80-4CG0	4625	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	95	130	450	1364	o.r.	1562	o.r.	2274	o.r.
1NC1 454-2AA80-4AG0	4725	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	95	130	450	1364	o.r.	1562	o.r.	2274	o.r.
1NC1 454-2AA80-4CG0	4825	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	95	130	450	1364	o.r.	1562	o.r.	2274	o.r.
1NC1 456-2AA80-4AG0	4925	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	95	130	450	1364	o.r.	1562	o.r.	2274	o.r.
1NC1 456-2AA80-4CG0	5025	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	95	130	450	1364	o.r.	1562	o.r.	2274	o.r.
1NC1 502-2AA80-4CG0	5775	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	110	165	500	1481	o.r.	1679	o.r.	2432	o.r.
1NC1 502-2AA80-4AG0	5675	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	110	165	500	1481	o.r.	1679	o.r.	2432	o.r.
1NC1 504-2AA80-4CG0	6175	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	110	165	500	1481	o.r.	1679	o.r.	2432	o.r.
1NC1 504-2AA80-4AG0	5975	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	110	165	500	1481	o.r.	1679	o.r.	2432	o.r.
1NC1 506-2AA80-4AG0	6375	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	110	165	500	1481	o.r.	1679	o.r.	2432	o.r.

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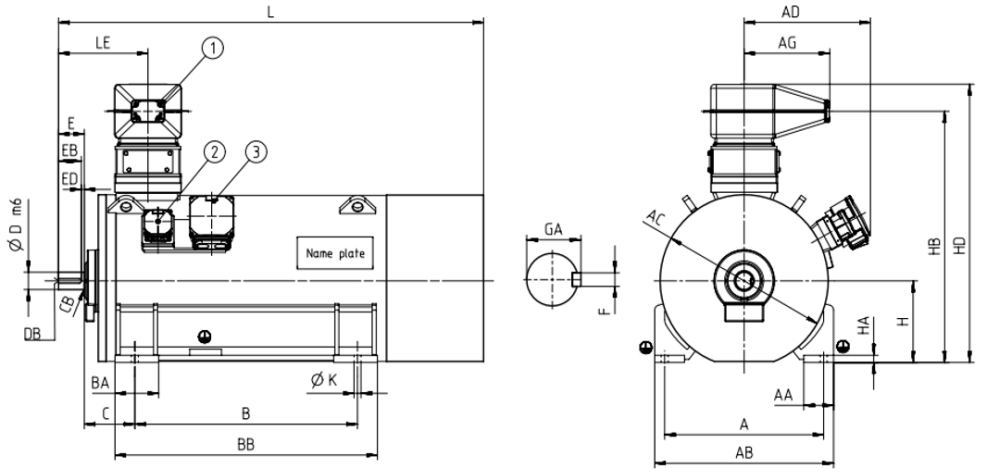
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 506-2AA80-4CG0	6575	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	110	165	500	1481	o.r.	1679	o.r.	2432	o.r.
1NC1 564-2AA80-4CG0	7895	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	120	165	560	1601	o.r.	1799	o.r.	2598	o.r.
1NC1 566-2AA80-4CG0	8395	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	120	165	560	1601	o.r.	1799	o.r.	2598	o.r.
4-pole																			
1NC1 356-4AA80-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 358-4AA80-4AA0	o.r.	630	500	o.r.	o.r.	o.r.	431	o.r.	1000	254	100	210	355	1227	o.r.	1359	o.r.	2101	o.r.
1NC1 404-4AA80-4AG0	3605	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	120	165	400	1274	o.r.	1472	o.r.	2239	o.r.
1NC1 404-4AA80-4CG0	3705	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	120	165	400	1274	o.r.	1472	o.r.	2239	o.r.
1NC1 406-4AA80-4AG0	3805	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	120	165	400	1274	o.r.	1472	o.r.	2239	o.r.
1NC1 406-4AA80-4CG0	3905	800	635	o.r.	o.r.	o.r.	643	o.r.	1120	254	120	165	400	1274	o.r.	1472	o.r.	2239	o.r.
1NC1 450-4AA80-4AG0	4325	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 450-4AA80-4CG0	4525	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 452-4AA80-4AG0	4625	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 452-4AA80-4CG0	4725	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 454-4AA80-4AG0	4825	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 454-4AA80-4CG0	4925	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 456-4AA80-4AG0	5125	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 456-4AA80-4CG0	5325	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 502-4AA80-4CG0	5875	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 502-4AA80-4AG0	5675	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 504-4AA80-4CG0	6375	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.

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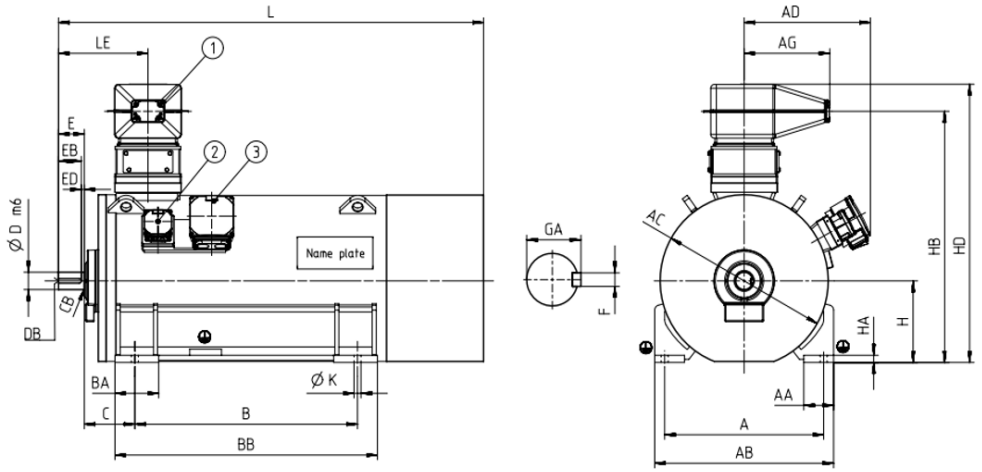
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 504-4AA80-4AG0	6175	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 506-4AA80-4AG0	6475	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 506-4AA80-4CG0	6775	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 560-4AA80-4CG0	7595	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 560-4AA80-4AG0	7295	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 562-4AA80-4CG0	8095	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 562-4AA80-4AG0	7795	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 564-4AA80-4CG0	8595	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 564-4AA80-4AG0	8195	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 566-4AA80-4CG0	8995	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 566-4AA80-4AG0	8695	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
6-pole																			
1NC1 454-6AA80-4AG0	4725	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 454-6AA80-4CG0	4925	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 456-6AA80-4AG0	5025	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 456-6AA80-4CG0	5325	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 500-6AA80-4CG0	5675	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 500-6AA80-4AG0	5475	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 502-6AA80-4CG0	6075	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 502-6AA80-4AG0	5775	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 504-6AA80-4CG0	6375	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.

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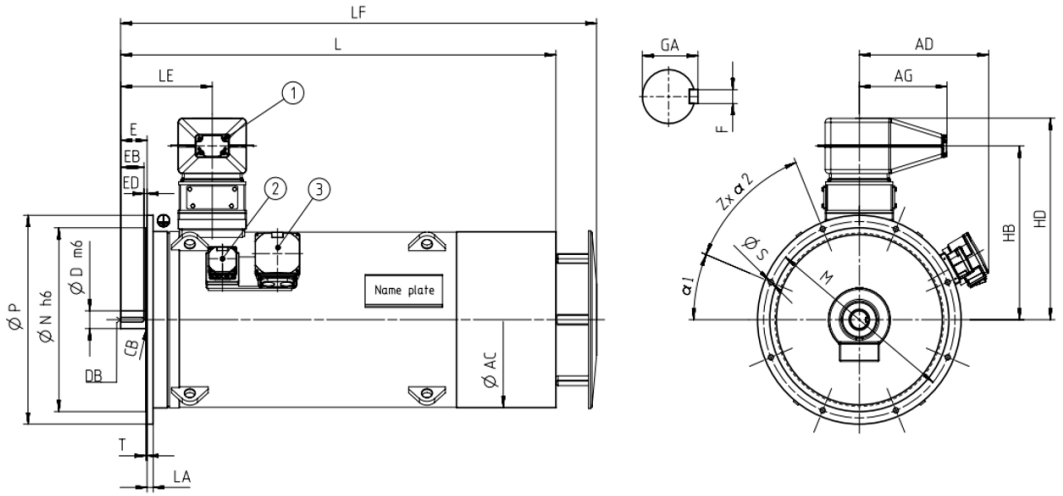


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 504-6AA80-4AG0	6175	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 506-6AA80-4CG0	6875	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 506-6AA80-4AG0	6575	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 562-6AA80-4CG0	8295	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 564-6AA80-4CG0	8895	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 566-6AA80-4CG0	9495	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
8-pole																			
1NC1 452-8AA80-4AG0	4425	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 452-8AA80-4CG0	4625	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 454-8AA80-4AG0	4725	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 454-8AA80-4CG0	4825	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 456-8AA80-4AG0	5025	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 456-8AA80-4CG0	5225	900	688	o.r.	o.r.	o.r.	643	o.r.	1250	280	120	165	450	1364	o.r.	1562	o.r.	2419	o.r.
1NC1 502-8AA80-4CG0	5975	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 502-8AA80-4AG0	5775	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 504-8AA80-4CG0	6375	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 504-8AA80-4AG0	6175	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 506-8AA80-4CG0	6775	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 506-8AA80-4AG0	6575	1000	693	o.r.	o.r.	o.r.	643	o.r.	1320	315	140	200	500	1481	o.r.	1679	o.r.	2599	o.r.
1NC1 562-8AA80-4CG0	8295	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.
1NC1 564-8AA80-4CG0	8795	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.

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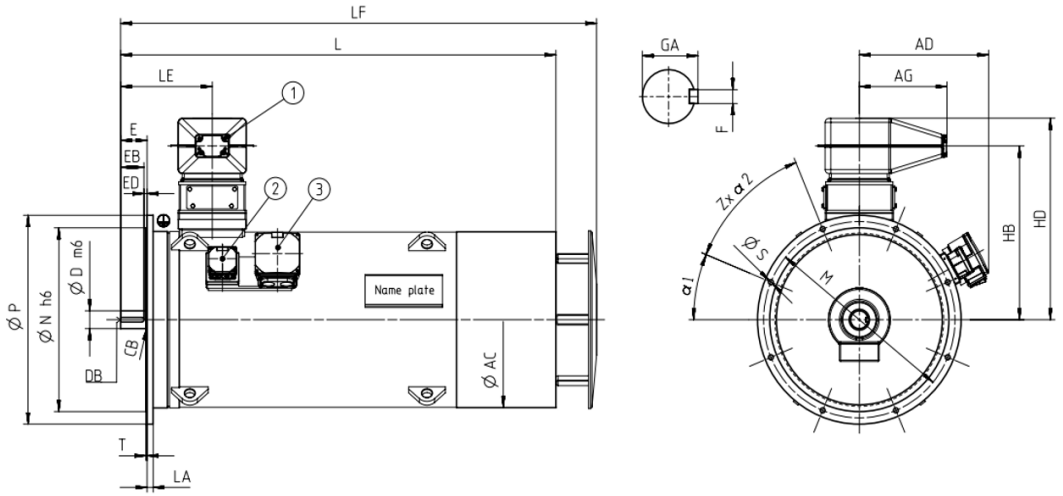


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 566-8AA80-4CG0	9395	1120	715	o.r.	o.r.	o.r.	643	o.r.	1400	335	160	240	560	1601	o.r.	1799	o.r.	2753	o.r.

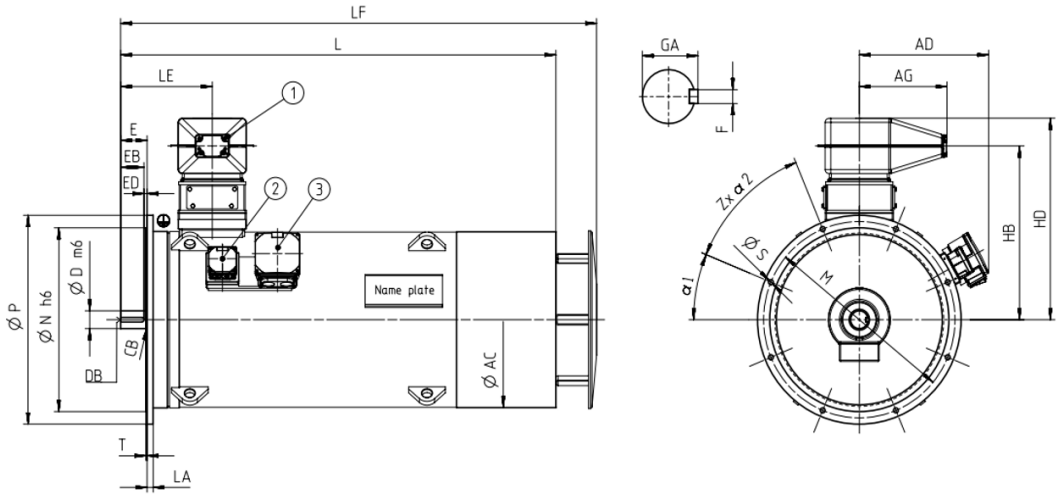


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NC1 354-2AA84-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 356-2AA84-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 358-2AA84-4AA0	o.r.	o.r.	431	75	872	1004	2031	o.r.	740	680	800	o.r.	8
1NC1 402-2AA84-4AG0	3900	o.r.	643	85	874	1072	2138	o.r.	940	880	1000	o.r.	8
1NC1 402-2AA84-4CG0	4000	o.r.	643	85	874	1072	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AA84-4AG0	4100	o.r.	643	85	874	1072	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AA84-4CG0	4100	o.r.	643	85	874	1072	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AA84-4AG0	4200	o.r.	643	85	874	1072	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AA84-4CG0	4300	o.r.	643	85	874	1072	2138	o.r.	940	880	1000	o.r.	8
4-pole													
1NC1 356-4AA84-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 358-4AA84-4AA0	o.r.	o.r.	431	100	872	1004	2101	o.r.	740	680	800	o.r.	8
1NC1 404-4AA84-4AG0	4200	o.r.	643	120	874	1072	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AA84-4CG0	4300	o.r.	643	120	874	1072	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AA84-4AG0	4400	o.r.	643	120	874	1072	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AA84-4CG0	4500	o.r.	643	120	874	1072	2239	o.r.	940	880	1000	o.r.	8
1NC1 450-4AA84-4AG0	5000	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 450-4AA84-4CG0	5100	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AA84-4AG0	5200	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AA84-4CG0	5300	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8

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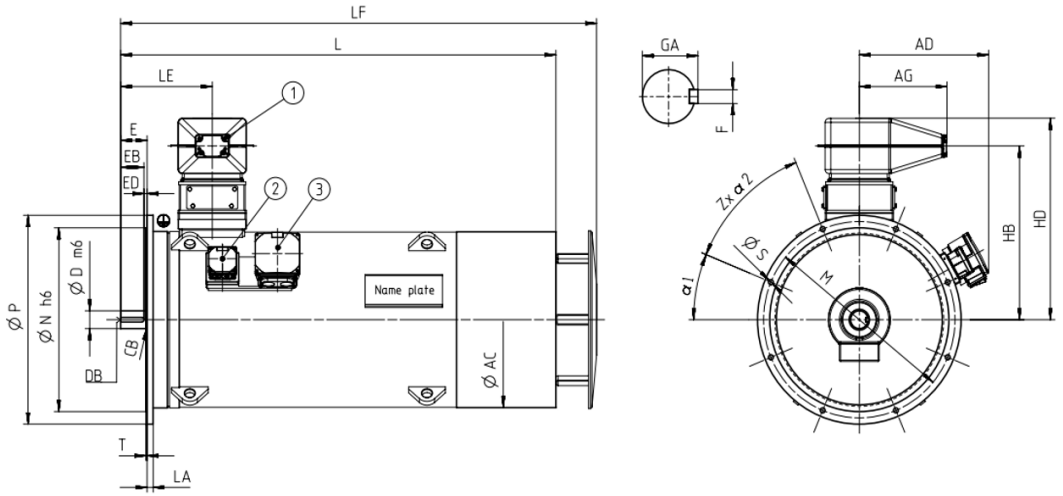


Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 454-4AA84-4AG0	5400	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AA84-4CG0	5500	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AA84-4AG0	5700	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AA84-4CG0	5900	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AA84-4CG0	6900	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AA84-4AG0	6700	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AA84-4CG0	7400	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AA84-4AG0	7100	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AA84-4AG0	7500	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AA84-4CG0	7800	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AA84-4CG0	8900	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AA84-4AG0	8600	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AA84-4CG0	9400	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AA84-4AG0	9100	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AA84-4CG0	9800	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AA84-4AG0	9500	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AA84-4CG0	10300	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AA84-4AG0	9900	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
6-pole														
1NC1 454-6AA84-4AG0	5300	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AA84-4CG0	5500	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8



Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 456-6AA84-4AG0	5700	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AA84-4CG0	5900	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AA84-4CG0	6700	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AA84-4AG0	6500	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AA84-4CG0	7000	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AA84-4AG0	6800	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AA84-4CG0	7400	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AA84-4AG0	7200	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AA84-4CG0	7800	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AA84-4AG0	7600	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AA84-4CG0	9600	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AA84-4CG0	10200	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AA84-4CG0	10700	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													
1NC1 452-8AA84-4AG0	5000	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AA84-4CG0	5200	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AA84-4AG0	5300	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AA84-4CG0	5500	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AA84-4AG0	5700	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AA84-4CG0	5800	o.r.	643	120	914	1112	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AA84-4CG0	7000	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 10000 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 502-8AA84-4AG0	6800	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AA84-4CG0	7400	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AA84-4AG0	7100	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AA84-4CG0	7800	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AA84-4AG0	7600	o.r.	643	140	981	1179	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AA84-4CG0	9600	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AA84-4CG0	10100	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AA84-4CG0	10700	o.r.	643	160	1041	1239	2753	o.r.	1320	1250	1400	o.r.	16

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SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - Square-law torque drive																						
780	690	**1NA1 402-2AC00-0A.0**	2979	96.5	0.93	730	2500	3.30	10.0	3600	580	2684	96.6	0.92	395	2388	96.6	0.88	195	1852	96.2	0.82
770	680	**1NA1 402-2AC00-0C.0**	2980	96.4	0.93	720	2467	3.30	12.3	3600	575	2684	96.4	0.91	390	2388	96.4	0.88	190	1852	95.8	0.81
800	710	**1NA1 404-2AC00-0A.0**	2979	96.5	0.94	740	2564	3.60	11.0	3600	595	2684	96.6	0.93	405	2388	96.6	0.90	195	1852	96.2	0.84
800	710	**1NA1 404-2AC00-0C.0**	2980	96.4	0.94	740	2564	3.50	13.5	3600	595	2684	96.4	0.93	405	2388	96.4	0.89	195	1852	95.8	0.84
920	810	**1NA1 406-2AC00-0A.0**	2980	96.7	0.94	850	2948	3.60	12.2	3600	685	2684	96.8	0.93	465	2388	96.8	0.89	225	1853	96.4	0.84
910	800	**1NA1 406-2AC00-0C.0**	2981	96.7	0.94	840	2915	3.60	14.9	3600	675	2685	96.7	0.92	460	2389	96.6	0.89	225	1853	96.1	0.83
950	840	**1NA1 408-2AC00-0A.0**	2982	96.8	0.95	860	3042	4.40	13.0	3600	705	2686	96.7	0.93	480	2389	96.7	0.89	235	1853	96.1	0.83
950	840	**1NA1 408-2AC00-0C.0**	2983	96.7	0.95	870	3041	4.30	15.9	3600	705	2687	96.6	0.93	480	2390	96.5	0.89	235	1854	95.8	0.82
1050	930	**1NA1 454-2AC00-0A.0**	2982	96.9	0.94	960	3362	2.70	14.1	3600	780	2686	97.0	0.93	530	2390	97.1	0.91	260	1854	97.0	0.88
1050	930	**1NA1 454-2AC00-0C.0**	2983	96.8	0.94	970	3361	2.60	19.1	3600	780	2687	96.9	0.93	530	2390	97.0	0.91	260	1854	96.8	0.88
1200	1060	**1NA1 456-2AC00-0A.0**	2985	97.2	0.94	1100	3839	3.20	15.6	3600	895	2688	97.2	0.93	605	2391	97.3	0.91	295	1854	97.0	0.87
1200	1060	**1NA1 456-2AC00-0C.0**	2985	97.1	0.94	1100	3839	3.00	21.0	3600	895	2688	97.1	0.93	605	2391	97.2	0.91	295	1855	96.8	0.87
1220	1080	**1NA1 458-2AC00-0A.0**	2985	97.2	0.95	1100	3903	3.20	16.8	3600	910	2689	97.2	0.93	615	2391	97.3	0.91	300	1855	97.0	0.87
1220	1080	**1NA1 458-2AC00-0C.0**	2986	97.1	0.95	1100	3902	3.10	22.7	3600	905	2689	97.1	0.94	615	2392	97.2	0.91	300	1855	96.8	0.87
1500	1320	**1NA1 504-2AC00-0AC0**	2986	97.0	0.90	1440	4797	3.30	22.6	3600	1115	2689	97.0	0.90	755	2392	96.9	0.87	370	1855	96.2	0.82
1510	1330	**1NA1 504-2AC00-0C.0**	2987	96.9	0.91	1440	4827	3.20	28.0	3000	1125	2690	96.8	0.90	760	2392	96.7	0.88	370	1855	95.8	0.82
1820	1600	**1NA1 506-2AC00-0AC0**	2984	97.2	0.91	1720	5824	3.00	25.7	3600	1355	2688	97.2	0.91	920	2391	97.2	0.89	450	1854	96.7	0.86
1570	1380	**1NA1 506-2AC00-0C.0**	2987	96.9	0.92	1480	5019	3.30	31.0	3000	1170	2690	96.8	0.91	790	2393	96.7	0.89	385	1855	95.8	0.83
1810	1590	**1NA1 508-2AC00-0AC0**	2989	97.3	0.91	1720	5783	4.10	28.1	3600	1345	2691	97.1	0.90	915	2393	96.9	0.87	445	1856	96.0	0.80
1820	1600	**1NA1 508-2AC00-0C.0**	2989	97.2	0.91	1720	5815	3.80	34.0	3000	1355	2692	96.9	0.90	920	2394	96.7	0.87	450	1856	95.6	0.80
1960	1730	**1NA1 566-2AC00-0C.0**	2990	97.1	0.92	1840	6260	3.00	55.4	3000	1460	2692	97.0	0.91	990	2394	96.8	0.90	485	1856	96.0	0.84
2150	1890	**1NA1 568-2AC00-0C.0**	2992	97.2	0.92	2000	6862	3.80	60.1	3000	1600	2694	97.0	0.90	1085	2395	96.8	0.87	530	1857	95.8	0.80
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - Square-law torque drive																						
850	750	**1NA1 404-4AC00-0A.0**	1491	96.4	0.89	830	5444	3.20	15.6	2600	630	1343	96.0	0.87	430	1195	95.9	0.83	210	927	94.6	0.73
850	750	**1NA1 404-4AC00-0C.0**	1489	96.4	0.89	830	5451	2.80	19.8	2600	635	1342	96.2	0.87	430	1194	96.2	0.84	210	926	95.3	0.75
910	800	**1NA1 406-4AC00-0A.0**	1491	96.5	0.90	880	5828	3.50	17.4	2600	675	1343	96.1	0.87	460	1195	95.8	0.83	225	927	94.4	0.72
910	800	**1NA1 406-4AC00-0C.0**	1490	96.5	0.89	890	5832	3.10	22.0	2600	675	1342	96.3	0.87	460	1194	96.2	0.84	225	926	95.2	0.74
1000	880	**1NA1 408-4AC00-0A.0**	1492	96.6	0.90	960	6400	3.80	19.7	2600	745	1344	96.1	0.87	505	1195	95.8	0.82	245	927	94.3	0.71
1000	880	**1NA1 408-4AC00-0C.0**	1491	96.7	0.89	970	6405	3.30	24.9	2600	745	1343	96.4	0.87	505	1195	96.2	0.83	245	927	95.1	0.73
1150	1010	**1NA1 454-4AC00-0A.0**	1491	96.8	0.90	1100	7365	2.90	26.4	2400	855	1343	96.6	0.88	580	1195	96.5	0.85	285	927	95.8	0.77
1150	1010	**1NA1 454-4AC00-0C.0**	1491	96.7	0.89	1120	7365	2.60	33.9	2400	855	1343	96.6	0.88	580	1195	96.6	0.84	285	927	95.9	0.77
1250	1100	**1NA1 456-4AC00-0C.0**	1491	96.9	0.90	1200	8006	2.80	39.0	2400	930	1343	96.7	0.88	630	1195	96.6	0.84	310	927	95.9	0.77
1260	1110	**1NA1 456-4AC00-0A.0**	1491	96.9	0.91	1200	8070	3.10	30.5	2400	935	1343	96.7	0.89	635	1195	96.6	0.85	310	927	95.8	0.77
1410	1240	**1NA1 458-4AC00-0A.0**	1491	97.1	0.90	1360	9031	3.20	33.6	2400	1050	1343	96.8	0.88	710	1195	96.7	0.85	350	927	95.9	0.76

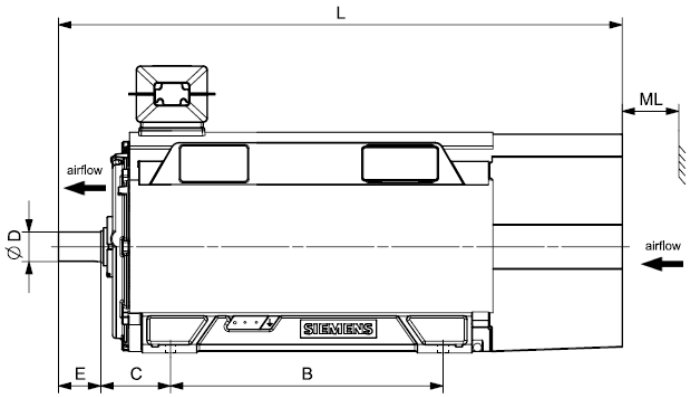
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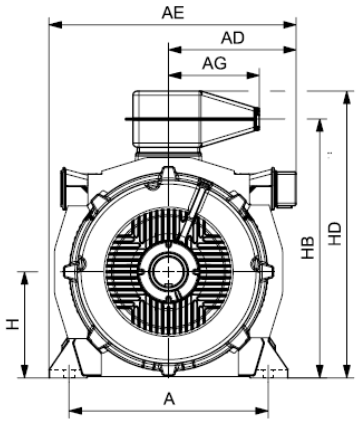
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1400	1230	**1NA1 458-4AC00-0C.0**	1492	97.0	0.89	1360	8960	2.80	42.8	2400	1040	1344	96.9	0.88	705	1195	96.7	0.84	345	927	96.0	0.76
1470	1300	**1NA1 504-4AC00-0A.0**	1491	96.5	0.88	1440	9415	2.80	32.6	2200	1095	1343	96.4	0.87	745	1195	96.3	0.83	365	927	95.3	0.75
1470	1300	**1NA1 504-4AC00-0C.0**	1491	96.5	0.86	1480	9415	2.20	42.5	2200	1095	1343	96.5	0.86	745	1195	96.4	0.83	365	927	95.7	0.76
1560	1380	**1NA1 506-4AC00-0A.0**	1491	96.5	0.89	1520	9991	3.00	37.1	2200	1160	1343	96.4	0.88	790	1195	96.2	0.85	385	927	95.2	0.77
1550	1370	**1NA1 506-4AC00-0C.0**	1492	96.6	0.88	1520	9921	2.30	48.0	2200	1155	1344	96.5	0.88	785	1195	96.4	0.85	385	927	95.5	0.78
1760	1550	**1NA1 508-4AC00-0A.0**	1492	96.8	0.89	1700	11265	3.50	42.5	2200	1310	1344	96.5	0.87	890	1196	96.2	0.82	435	927	94.9	0.72
1770	1560	**1NA1 508-4AC00-0C.0**	1493	96.9	0.88	1740	11321	2.70	54.7	2200	1315	1345	96.7	0.86	895	1196	96.5	0.83	435	927	95.4	0.74
2020	1780	**1NA1 564-4AC00-0A.0**	1492	96.8	0.89	1960	12929	2.60	60.0	2000	1505	1344	96.7	0.88	1020	1196	96.5	0.85	500	927	95.8	0.79
2010	1770	**1NA1 564-4AC00-0C.0**	1492	96.9	0.88	1980	12865	2.20	79.4	2000	1495	1344	96.8	0.87	1015	1195	96.6	0.85	495	927	96.0	0.79
2075	1830	**1NA1 566-4AC00-0A.0**	1492	96.8	0.90	2000	13281	2.60	66.7	2000	1540	1344	96.7	0.89	1045	1196	96.6	0.86	510	927	95.9	0.81
2070	1820	**1NA1 566-4AC00-0C.0**	1492	96.9	0.89	2000	13249	2.30	88.1	2000	1540	1344	96.8	0.89	1045	1195	96.6	0.86	510	927	95.9	0.81
2220	1960	**1NA1 568-4AC00-0A.0**	1493	97.0	0.90	2150	14199	3.10	73.5	2000	1650	1345	96.7	0.89	1120	1196	96.6	0.85	550	928	95.7	0.78
2220	1960	**1NA1 568-4AC00-0C.0**	1493	97.0	0.90	2150	14199	2.60	96.7	2000	1650	1345	96.8	0.88	1120	1196	96.7	0.85	550	928	95.9	0.78
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - Square-law torque drive																							
650	570	**1NA1 404-6AC00-0AA0**	995	96.1	0.87	650	6238	3.30	25.8	2400	485	896	95.6	0.85	330	797	95.1	0.80	160	618	93.2	0.69
660	580	**1NA1 404-6AC00-0CA0**	994	96.2	0.87	660	6341	2.80	33.2	2400	490	895	96.0	0.85	335	796	95.8	0.82	165	618	94.5	0.72
710	630	**1NA1 406-6AC00-0AA0**	995	96.2	0.88	700	6814	3.50	29.6	2400	530	896	95.6	0.85	360	797	95.1	0.80	175	618	93.1	0.69
710	630	**1NA1 406-6AC00-0CA0**	994	96.3	0.88	700	6821	3.00	38.0	2400	530	895	96.1	0.85	360	797	95.8	0.82	175	618	94.5	0.71
730	640	**1NA1 408-6AC00-0AA0**	995	96.2	0.87	730	7006	4.40	33.5	2400	545	896	95.3	0.82	370	797	94.7	0.76	180	618	92.2	0.62
780	690	**1NA1 408-6AC00-0CA0**	995	96.4	0.87	780	7486	3.40	42.0	2400	580	896	96.0	0.84	395	797	95.7	0.78	190	618	94.1	0.66
950	840	**1NA1 454-6AC00-0A.0**	993	96.3	0.86	960	9136	2.80	39.5	2200	705	895	96.0	0.84	480	796	95.9	0.81	235	618	94.7	0.71
950	840	**1NA1 454-6AC00-0C.0**	992	96.4	0.85	970	9145	2.40	49.1	2200	705	894	96.2	0.84	480	796	96.2	0.82	235	617	95.3	0.73
980	860	**1NA1 456-6AC00-0A.0**	995	96.5	0.85	1000	9405	3.60	45.9	2200	730	896	95.8	0.81	495	797	95.5	0.75	240	618	93.8	0.62
1000	880	**1NA1 456-6AC00-0C.0**	994	96.6	0.85	1020	9607	3.10	56.8	2200	745	896	96.2	0.83	505	797	96.1	0.78	245	618	94.8	0.66
1000	880	**1NA1 458-6AC00-0A.0**	995	96.6	0.85	1020	9597	3.90	54.3	2200	745	896	96.0	0.81	505	797	95.6	0.75	245	618	93.8	0.61
1020	900	**1NA1 458-6AC00-0C.0**	995	96.8	0.86	1020	9789	3.40	67.0	2200	760	896	96.3	0.82	515	797	96.1	0.77	250	618	94.7	0.65
1200	1060	**1NA1 502-6AC00-0A.0**	992	96.3	0.83	1260	11552	2.10	52.8	2100	895	894	96.4	0.83	605	795	96.3	0.82	295	617	95.5	0.75
1260	1110	**1NA1 502-6AC00-0C.0**	993	96.5	0.86	1280	12117	1.90	67.6	2100	940	895	96.6	0.86	635	796	96.6	0.85	310	618	95.9	0.77
1300	1150	**1NA1 504-6AC00-0C.0**	993	96.5	0.87	1300	12502	1.90	76.2	2100	970	895	96.6	0.87	655	796	96.6	0.86	320	618	95.9	0.79
1230	1090	**1NA1 504-6AC00-0A.0**	992	96.3	0.85	1260	11840	2.10	59.7	2100	915	894	96.4	0.85	620	795	96.3	0.84	305	617	95.4	0.77
1460	1290	**1NA1 506-6AC00-0C.0**	994	96.7	0.87	1460	14026	2.00	85.6	2100	1085	896	96.7	0.87	740	797	96.6	0.85	360	618	95.6	0.77
1400	1230	**1NA1 506-6AC00-0A.0**	993	96.5	0.86	1420	13463	2.30	67.4	2100	1040	894	96.4	0.85	710	796	96.3	0.83	345	617	95.1	0.75
1550	1370	**1NA1 508-6AC00-0A.0**	994	96.6	0.86	1560	14891	2.70	76.4	2100	1155	895	96.4	0.84	785	796	96.2	0.81	385	618	94.8	0.71
1650	1450	**1NA1 508-6AC00-0C.0**	995	96.8	0.87	1640	15836	2.30	96.8	2100	1230	896	96.7	0.86	835	797	96.6	0.83	405	618	95.5	0.74
2020	1780	**1NA1 564-6AC00-0C.0**	994	97.1	0.88	1980	19406	2.30	136.8	2000	1505	896	97.0	0.88	1020	797	96.9	0.86	500	618	95.9	0.79

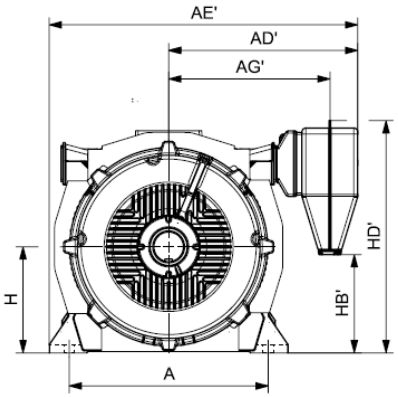
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SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power **IEC**		**SIMOTICS HV C VSD M ~n [2]**	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2200	1940	**1NA1 566-6AC00-0C.0**	995	97.3	0.87	2150	21114	2.80	151.9	2000	1635	896	97.0	0.86	1110	797	96.7	0.83	545	618	95.4	0.72
2260	1990	**1NA1 568-6AC00-0C.0**	995	97.3	0.88	2200	21690	2.70	167.0	2000	1680	896	97.0	0.87	1140	797	96.8	0.85	555	618	95.6	0.76
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - Square-law torque drive																						
500	440	**1NA1 404-8AC00-0AA0**	744	95.7	0.83	530	6418	2.90	26.7	2400	370	670	95.1	0.80	255	596	94.7	0.74	125	463	92.5	0.62
500	440	**1NA1 404-8AC00-0CA0**	742	95.6	0.81	540	6435	2.50	32.8	2400	375	669	95.3	0.79	255	596	95.0	0.75	125	462	93.4	0.64
540	480	**1NA1 406-8AC00-0AA0**	745	95.8	0.80	590	6922	3.80	30.6	2400	400	671	94.7	0.74	275	597	93.9	0.66	135	463	90.9	0.51
540	480	**1NA1 406-8AC00-0CA0**	744	95.9	0.80	590	6931	3.10	37.6	2400	400	671	95.2	0.75	275	597	94.7	0.68	135	463	92.3	0.54
560	490	**1NA1 408-8AC00-0AA0**	745	95.9	0.83	590	7178	3.50	33.8	2400	415	671	95.0	0.78	285	597	94.4	0.71	140	463	91.7	0.57
560	490	**1NA1 408-8AC00-0CA0**	744	95.9	0.82	600	7188	3.00	41.5	2400	415	670	95.3	0.78	285	597	94.8	0.72	140	463	92.7	0.59
750	660	**1NA1 454-8AC00-0A.0**	743	95.6	0.80	820	9639	2.30	40.0	2200	560	670	95.3	0.79	380	596	95.1	0.75	185	463	93.6	0.65
750	660	**1NA1 454-8AC00-0C.0**	741	95.6	0.80	820	9665	2.30	48.8	2200	560	668	95.4	0.79	380	595	95.3	0.76	185	462	94.1	0.67
800	710	**1NA1 456-8AC00-0A.0**	744	95.8	0.81	860	10268	2.60	46.4	2200	595	670	95.3	0.78	405	597	94.9	0.73	200	463	93.1	0.61
800	710	**1NA1 456-8AC00-0C.0**	743	95.8	0.81	860	10282	2.60	56.4	2200	595	669	95.4	0.79	405	596	95.2	0.75	200	462	93.7	0.63
900	790	**1NA1 458-8AC00-0A.0**	745	96.1	0.79	990	11536	3.00	54.9	2200	670	671	95.4	0.75	455	597	94.9	0.69	220	463	92.8	0.55
900	790	**1NA1 458-8AC00-0C.0**	744	96.2	0.79	990	11552	3.10	66.6	2200	670	670	95.6	0.76	455	597	95.3	0.71	220	463	93.6	0.57
1000	880	**1NA1 504-8AC00-0A.0**	743	95.8	0.80	1100	12852	1.70	58.9	2100	745	669	95.8	0.80	505	596	95.9	0.77	245	463	95.0	0.70
1000	880	**1NA1 504-8AC00-0C.0**	744	95.9	0.85	1020	12835	2.00	75.7	2100	745	670	95.7	0.83	505	596	95.7	0.80	245	463	94.5	0.71
1120	990	**1NA1 506-8AC00-0A.0**	743	96.0	0.81	1200	14395	1.90	66.4	2100	835	670	95.9	0.80	565	596	95.9	0.77	275	463	94.7	0.69
1120	990	**1NA1 506-8AC00-0C.0**	744	96.0	0.85	1140	14375	2.10	85.2	2100	835	671	95.8	0.83	565	597	95.6	0.79	275	463	94.2	0.70
1190	1050	**1NA1 508-8AC00-0A.0**	744	96.0	0.82	1260	15274	1.90	75.3	2100	885	670	95.9	0.81	600	596	95.9	0.78	295	463	94.6	0.69
1190	1050	**1NA1 508-8AC00-0C.0**	744	96.0	0.85	1220	15274	2.20	96.4	2100	885	671	95.8	0.83	600	597	95.6	0.79	295	463	94.1	0.70
1500	1320	**1NA1 564-8AC00-0C.0**	744	96.6	0.85	1520	19253	2.00	136.4	2000	1115	671	96.6	0.84	760	597	96.5	0.82	370	463	95.4	0.73
1600	1410	**1NA1 566-8AC00-0C.0**	744	96.7	0.85	1620	20536	1.90	151.8	2000	1190	671	96.7	0.85	810	597	96.5	0.83	395	463	95.5	0.75
1700	1500	**1NA1 568-8AC00-0C.0**	745	96.8	0.85	1720	21790	2.20	167.1	2000	1265	671	96.6	0.84	860	597	96.4	0.82	420	463	95.1	0.72

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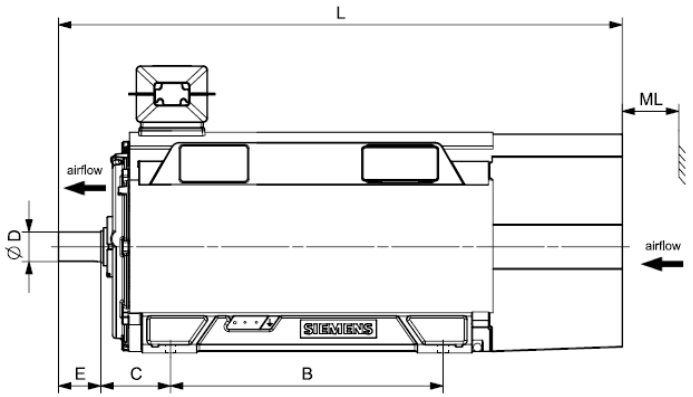


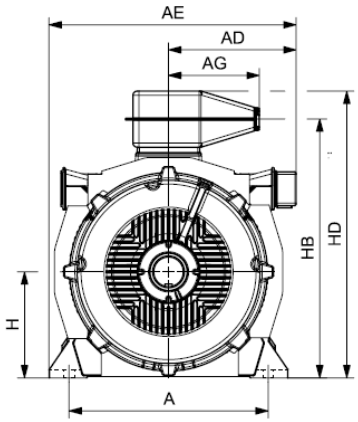


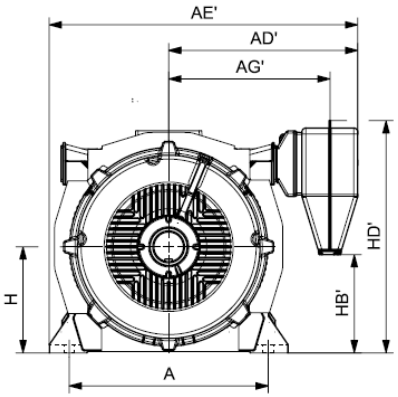


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2AC00-0A.0	3300	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 402-2AC00-0C.0	3400	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC00-0A.0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC00-0C.0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC00-0A.0	3700	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC00-0C.0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC00-0A.0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC00-0C.0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 454-2AC00-0A.0	4500	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 454-2AC00-0C.0	4700	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 456-2AC00-0A.0	4800	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 456-2AC00-0C.0	5000	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 458-2AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 458-2AC00-0C.0	5200	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 504-2AC00-0AC0	6000	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 504-2AC00-0C.0	6200	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	2472	200
1NA1 506-2AC00-0AC0	6400	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 506-2AC00-0C.0	6600	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	2472	200
1NA1 508-2AC00-0AC0	6700	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 508-2AC00-0C.0	6900	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	2472	200
1NA1 566-2AC00-0C.0	8800	1060	670	1089	1305	1724	371	945	1400	290	120	165	560	1470	627	1635	1300	2642	225
1NA1 568-2AC00-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	290	120	165	560	1470	627	1635	1300	2642	225

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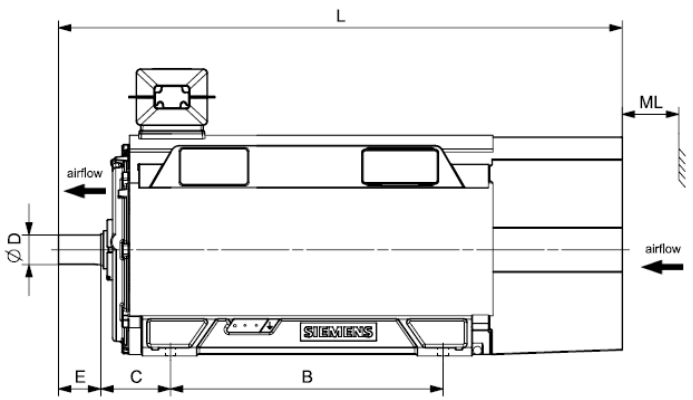


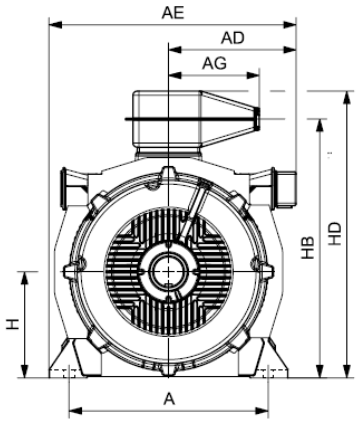


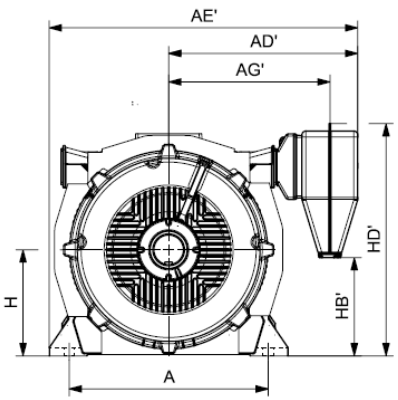


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
4-pole																			
1NA1 404-4AC00-0A.0	3500	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-4AC00-0C.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-4AC00-0A.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-4AC00-0C.0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC00-0A.0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC00-0C.0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-4AC00-0A.0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-4AC00-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC00-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC00-0A.0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC00-0C.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-4AC00-0A.0	6200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-4AC00-0C.0	6500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC00-0A.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC00-0C.0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC00-0A.0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC00-0C.0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-4AC00-0A.0	8400	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 564-4AC00-0C.0	8700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC00-0A.0	8900	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC00-0C.0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

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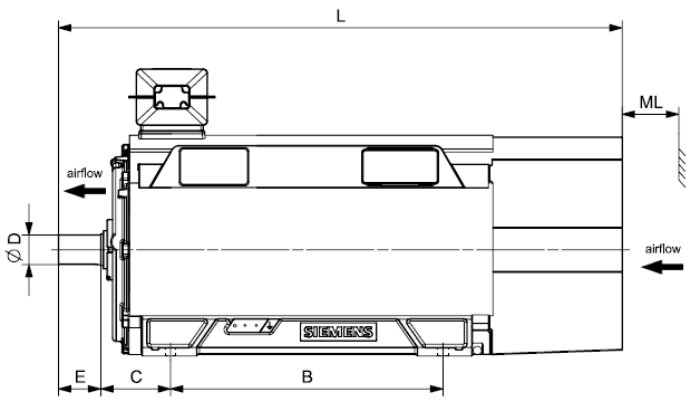


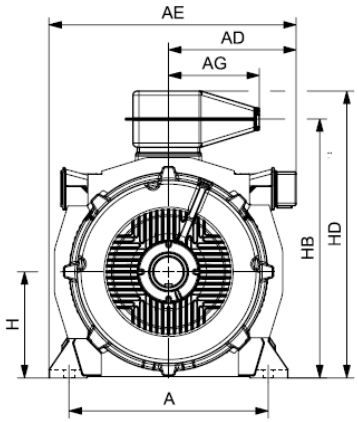


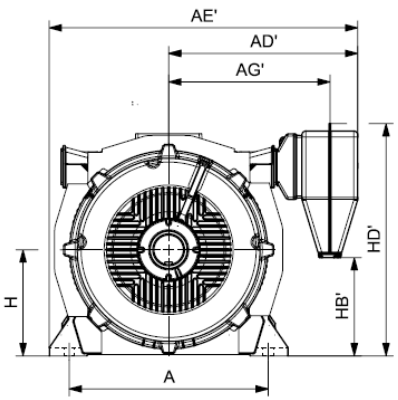


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 568-4AC00-0A.0	9300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-4AC00-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
6-pole																			
1NA1 404-6AC00-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-6AC00-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC00-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC00-0CA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC00-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC00-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-6AC00-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-6AC00-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC00-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC00-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC00-0C.0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 502-6AC00-0A.0	6000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 502-6AC00-0C.0	6300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC00-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC00-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC00-0C.0	7100	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC00-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC00-0A.0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC00-0C.0	7500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200

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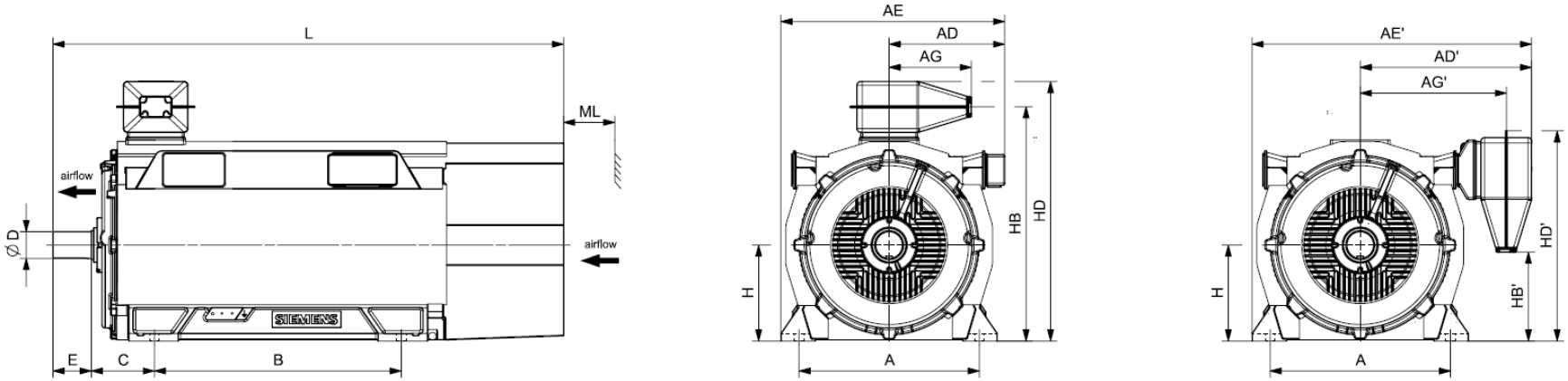






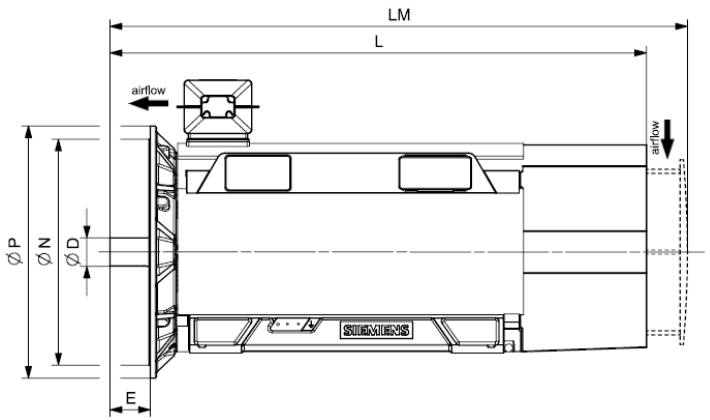
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 564-6AC00-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-6AC00-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-6AC00-0C.0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
8-pole																			
1NA1 404-8AC00-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-8AC00-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC00-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC00-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC00-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC00-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-8AC00-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-8AC00-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC00-0C.0	5100	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC00-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC00-0C.0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-8AC00-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-8AC00-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC00-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC00-0C.0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC00-0A.0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC00-0C.0	7600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-8AC00-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

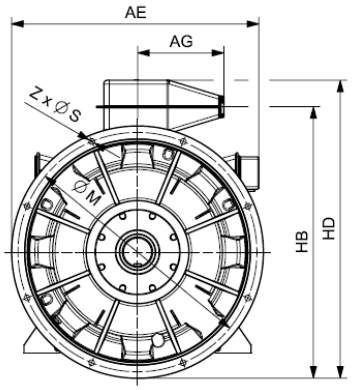
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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 566-8AC00-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-8AC00-0C.0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

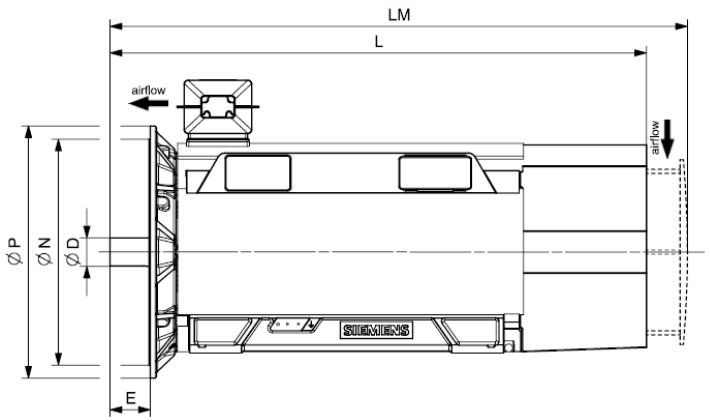
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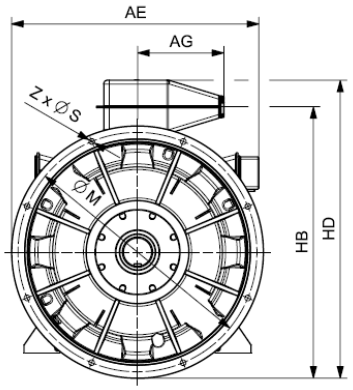




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4AC04-0AA0	3600	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-4AC04-0CA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC04-0AA0	3800	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC04-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC04-0AA0	4100	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC04-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-4AC04-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-4AC04-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC04-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC04-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC04-0AA0	5500	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC04-0CA0	5700	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-4AC04-0AA0	6400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-4AC04-0CA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC04-0AA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC04-0CA0	7100	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC04-0AA0	7400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC04-0CA0	7600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-4AC04-0AA0	8600	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 564-4AC04-0CA0	8900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC04-0AA0	9100	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC04-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

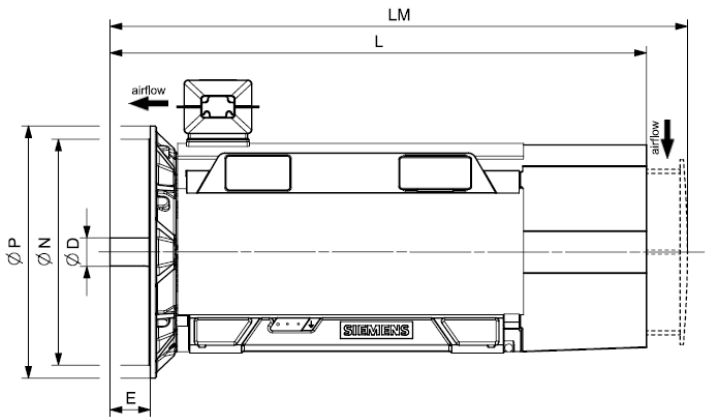
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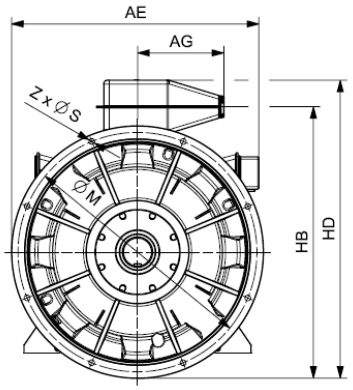




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 568-4AC04-0AA0	9500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-4AC04-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AC04-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-6AC04-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC04-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC04-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC04-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC04-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-6AC04-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-6AC04-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC04-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC04-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC04-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC04-0CA0	5900	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 502-6AC04-0AA0	6200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 502-6AC04-0CA0	6400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC04-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC04-0AA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC04-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC04-0AA0	7000	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC04-0AA0	7400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC04-0CA0	7700	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16

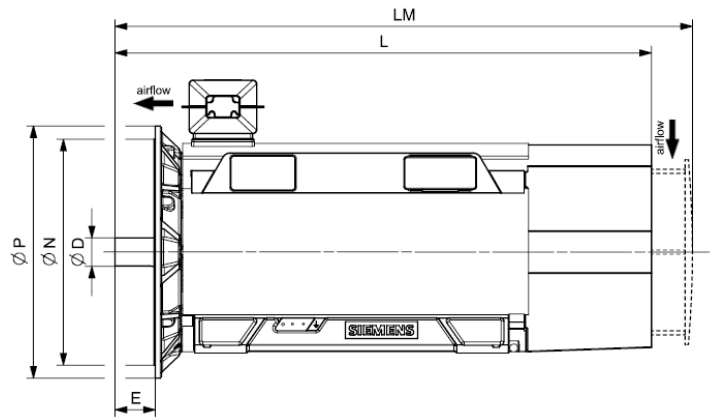
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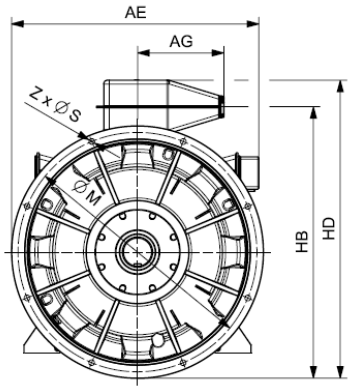




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 564-6AC04-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-6AC04-0CA0	10000	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-6AC04-0CA0	10500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AC04-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-8AC04-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC04-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC04-0CA0	4100	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC04-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC04-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-8AC04-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-8AC04-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC04-0AA0	5100	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC04-0CA0	5300	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC04-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC04-0CA0	5800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-8AC04-0AA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-8AC04-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC04-0AA0	6900	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC04-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC04-0AA0	7500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC04-0CA0	7700	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-8AC04-0CA0	9300	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-8AC04-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-8AC04-0CA0	10500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
											P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit												
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - Square-law torque drive																						
930	820	**1NA1 402-2AC10-0A.0**	3579	96.5	0.93	870	2481	3.20	10.0	3600	705	3284	96.7	0.91	470	2868	96.4	0.88	235	2272	95.9	0.82
930	820	**1NA1 402-2AC10-0C.0**	3579	96.4	0.93	870	2481	3.10	12.3	3600	705	3284	96.6	0.91	470	2868	96.3	0.88	235	2272	95.6	0.81
950	840	**1NA1 404-2AC10-0A.0**	3580	96.6	0.94	880	2534	3.70	11.0	3600	720	3284	96.7	0.93	480	2868	96.4	0.89	240	2273	95.8	0.83
950	840	**1NA1 404-2AC10-0C.0**	3581	96.5	0.94	880	2533	3.60	13.5	3600	720	3285	96.7	0.92	480	2869	96.2	0.89	240	2273	95.5	0.83
1010	890	**1NA1 406-2AC10-0A.0**	3580	96.6	0.95	920	2694	3.90	12.2	3600	765	3285	96.8	0.93	510	2868	96.4	0.90	255	2273	95.8	0.84
1000	880	**1NA1 406-2AC10-0C.0**	3582	96.5	0.94	920	2666	3.80	14.9	3600	760	3286	96.7	0.93	505	2869	96.2	0.89	250	2273	95.4	0.83
1150	1010	**1NA1 408-2AC10-0A.0**	3582	96.9	0.94	1060	3066	4.20	13.0	3600	870	3286	97.0	0.92	580	2870	96.6	0.88	290	2273	95.9	0.81
1150	1010	**1NA1 408-2AC10-0C.0**	3583	96.8	0.94	1060	3065	4.10	15.9	3600	870	3287	97.0	0.92	580	2870	96.4	0.88	290	2274	95.6	0.81
1200	1060	**1NA1 454-2AC10-0AC0**	3585	97.0	0.94	1100	3196	3.00	13.6	3600	910	3288	97.2	0.93	605	2871	97.0	0.90	300	2274	96.6	0.85
1200	1060	**1NA1 454-2AC10-0C.0**	3585	96.9	0.94	1100	3196	2.90	19.4	3600	910	3288	97.1	0.93	605	2871	96.8	0.90	300	2275	96.3	0.85
1250	1100	**1NA1 456-2AC10-0AC0**	3583	97.0	0.94	1140	3331	2.70	15.1	3600	945	3287	97.2	0.94	630	2870	97.0	0.92	315	2274	96.8	0.89
1250	1100	**1NA1 456-2AC10-0C.0**	3583	96.9	0.94	1140	3331	2.70	21.4	3600	945	3287	97.1	0.94	630	2870	96.9	0.92	315	2274	96.5	0.88
1520	1340	**1NA1 458-2AC10-0AC0**	3586	97.4	0.95	1380	4048	3.60	16.4	3600	1150	3289	97.5	0.93	765	2872	97.2	0.90	385	2275	96.7	0.85
1520	1340	**1NA1 458-2AC10-0C.0**	3587	97.3	0.95	1380	4047	3.40	23.1	3600	1150	3290	97.4	0.93	770	2872	97.0	0.91	385	2275	96.4	0.85
1610	1420	**1NA1 504-2AC10-0CC0**	3585	96.6	0.91	1540	4289	2.90	29.2	3600	1220	3289	96.8	0.91	815	2871	96.3	0.89	405	2275	95.3	0.84
1900	1670	**1NA1 506-2AC10-0CC0**	3588	96.9	0.91	1800	5057	3.40	33.0	3600	1440	3291	97.0	0.91	960	2873	96.3	0.88	480	2276	95.1	0.82
1950	1720	**1NA1 508-2AC10-0CC0**	3590	96.9	0.91	1860	5187	3.80	36.0	3600	1475	3292	97.0	0.90	985	2874	96.3	0.87	490	2276	95.1	0.80
2170	1910	**1NA1 566-2AC10-0CC0**	3591	96.9	0.92	2050	5771	3.30	54.6	3600	1645	3293	97.0	0.91	1095	2875	96.3	0.89	545	2277	95.3	0.82
2355	2070	**1NA1 568-2AC10-0CC0**	3593	96.9	0.91	2250	6259	4.40	59.4	3600	1780	3295	97.0	0.89	1185	2876	96.0	0.85	590	2278	94.6	0.75
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - Square-law torque drive																						
960	850	**1NA1 404-4AC10-0A.0**	1791	96.4	0.90	930	5119	3.10	15.6	2600	725	1643	96.6	0.88	485	1434	95.7	0.84	240	1137	94.2	0.75
950	840	**1NA1 404-4AC10-0C.0**	1789	96.5	0.89	930	5071	2.80	19.8	2600	720	1642	96.7	0.88	480	1434	96.0	0.85	240	1136	94.9	0.76
1020	900	**1NA1 406-4AC10-0A.0**	1792	96.5	0.90	980	5435	3.50	17.4	2600	775	1644	96.7	0.87	515	1435	95.5	0.83	255	1137	93.9	0.72
1020	900	**1NA1 406-4AC10-0C.0**	1790	96.6	0.89	990	5441	3.10	22.0	2600	775	1643	96.8	0.87	515	1434	96.0	0.84	255	1137	94.7	0.74
1120	990	**1NA1 408-4AC10-0A.0**	1792	96.6	0.90	1080	5968	3.80	19.7	2600	850	1644	96.8	0.87	565	1435	95.5	0.83	280	1137	93.7	0.72
1150	1010	**1NA1 408-4AC10-0C.0**	1791	96.7	0.90	1100	6132	3.30	24.9	2600	870	1643	96.9	0.88	580	1435	96.0	0.84	290	1137	94.7	0.74
1320	1160	**1NA1 454-4AC10-0A.0**	1791	96.9	0.90	1260	7038	3.20	26.4	2400	1000	1643	97.0	0.88	665	1435	96.1	0.84	335	1137	95.0	0.75
1310	1150	**1NA1 454-4AC10-0C.0**	1792	96.8	0.89	1280	6981	2.90	33.9	2400	995	1644	97.0	0.87	660	1435	96.2	0.83	330	1137	95.1	0.74
1470	1300	**1NA1 456-4AC10-0A.0**	1791	97.0	0.91	1400	7838	3.20	30.5	2400	1115	1643	97.2	0.89	740	1435	96.3	0.85	370	1137	95.2	0.77
1450	1280	**1NA1 456-4AC10-0C.0**	1792	97.0	0.90	1380	7727	2.90	39.0	2400	1100	1644	97.1	0.88	730	1435	96.4	0.84	365	1137	95.3	0.76
1600	1410	**1NA1 458-4AC10-0C.0**	1792	97.1	0.89	1540	8526	3.00	42.8	2400	1210	1644	97.3	0.87	810	1436	96.5	0.83	405	1137	95.5	0.74
1600	1410	**1NA1 458-4AC10-0A.0**	1792	97.1	0.90	1540	8526	3.30	33.6	2400	1210	1644	97.3	0.88	810	1435	96.5	0.84	405	1137	95.4	0.75
1610	1420	**1NA1 504-4AC10-0A.0**	1790	96.2	0.89	1580	8589	2.60	32.6	2200	1220	1642	96.4	0.88	815	1434	95.9	0.86	405	1136	94.8	0.79
1610	1420	**1NA1 504-4AC10-0C.0**	1790	96.3	0.87	1600	8589	2.10	42.5	2200	1220	1643	96.5	0.87	815	1434	96.1	0.85	405	1137	95.1	0.79

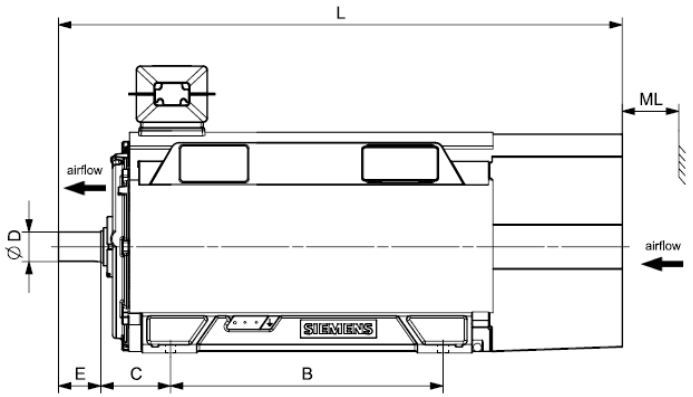
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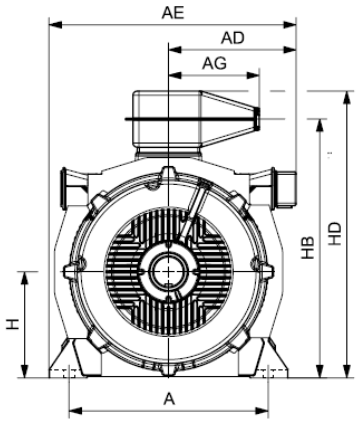
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1870	1650	**1NA1 506-4AC10-0A.0**	1791	96.6	0.89	1820	9971	3.00	37.1	2200	1415	1643	96.7	0.87	945	1435	95.9	0.84	470	1137	94.6	0.76
1870	1650	**1NA1 506-4AC10-0C.0**	1792	96.7	0.87	1860	9965	2.30	48.0	2200	1415	1644	96.8	0.87	945	1435	96.2	0.84	470	1137	95.1	0.77
1900	1670	**1NA1 508-4AC10-0A.0**	1792	96.6	0.90	1820	10125	3.20	42.5	2200	1440	1644	96.7	0.89	960	1435	95.8	0.85	480	1137	94.4	0.77
1900	1670	**1NA1 508-4AC10-0C.0**	1792	96.7	0.89	1840	10125	2.50	54.7	2200	1440	1644	96.8	0.88	960	1436	96.1	0.85	480	1137	94.8	0.77
2210	1950	**1NA1 564-4AC10-0A.0**	1793	96.5	0.88	2200	11770	2.60	60.0	2000	1675	1644	96.6	0.87	1115	1436	96.0	0.85	555	1137	95.0	0.77
2210	1950	**1NA1 564-4AC10-0C.0**	1792	96.6	0.87	2200	11777	2.30	79.4	2000	1675	1644	96.7	0.87	1115	1436	96.2	0.84	555	1137	95.3	0.78
2270	2000	**1NA1 566-4AC10-0A.0**	1792	96.5	0.89	2200	12096	2.60	66.7	2000	1720	1644	96.6	0.88	1145	1436	96.1	0.86	570	1137	95.3	0.80
2270	2000	**1NA1 566-4AC10-0C.0**	1792	96.6	0.89	2200	12096	2.30	88.1	2000	1720	1644	96.8	0.88	1145	1436	96.2	0.86	570	1137	95.4	0.80
2550	2250	**1NA1 568-4AC10-0A.0**	1794	96.7	0.90	2450	13573	3.50	73.5	2000	1930	1646	96.8	0.88	1285	1437	95.9	0.83	640	1138	94.6	0.74
2560	2260	**1NA1 568-4AC10-0C.0**	1794	96.8	0.90	2450	13627	3.00	96.7	2000	1940	1646	96.9	0.88	1290	1437	96.1	0.84	645	1138	94.9	0.75
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - Square-law torque drive																							
780	690	**1NA1 404-6AC10-0AA0**	1194	96.2	0.88	770	6238	2.90	25.8	2400	590	1096	96.5	0.86	395	957	95.1	0.83	195	758	93.2	0.74
770	680	**1NA1 404-6AC10-0CA0**	1193	96.3	0.87	770	6163	2.60	33.2	2400	585	1095	96.7	0.86	390	956	95.8	0.83	195	758	94.4	0.75
820	720	**1NA1 406-6AC10-0AA0**	1195	96.3	0.88	810	6553	3.40	29.6	2400	620	1096	96.6	0.85	415	957	94.9	0.81	205	758	92.7	0.70
820	720	**1NA1 406-6AC10-0CA0**	1194	96.5	0.88	810	6558	2.90	38.0	2400	620	1095	96.8	0.86	415	957	95.7	0.82	205	758	94.1	0.72
860	760	**1NA1 408-6AC10-0AA0**	1195	96.2	0.86	870	6872	4.40	33.5	2400	650	1096	96.4	0.82	435	957	94.2	0.75	215	758	91.3	0.62
910	800	**1NA1 408-6AC10-0CA0**	1195	96.6	0.87	910	7272	3.50	42.0	2400	690	1096	96.8	0.83	460	957	95.4	0.78	230	758	93.5	0.65
1100	970	**1NA1 454-6AC10-0A.0**	1194	96.5	0.86	1100	8798	3.00	39.5	2200	835	1095	96.6	0.83	555	956	95.5	0.79	275	758	93.9	0.68
1110	980	**1NA1 454-6AC10-0C.0**	1193	96.6	0.85	1140	8885	2.60	49.1	2200	840	1095	96.8	0.84	560	956	96.0	0.81	280	758	94.8	0.71
1150	1010	**1NA1 456-6AC10-0A.0**	1194	96.7	0.86	1160	9197	3.30	45.9	2200	870	1096	96.7	0.83	580	957	95.6	0.78	290	758	93.8	0.66
1170	1030	**1NA1 456-6AC10-0C.0**	1194	96.8	0.86	1180	9357	2.80	56.8	2200	885	1095	97.0	0.84	590	956	96.1	0.80	295	758	94.8	0.70
1200	1060	**1NA1 458-6AC10-0A.0**	1195	96.8	0.87	1200	9589	3.30	54.3	2200	910	1096	96.8	0.84	605	957	95.6	0.80	300	758	93.8	0.69
1200	1060	**1NA1 458-6AC10-0C.0**	1194	96.9	0.87	1200	9597	2.90	67.0	2200	910	1096	97.0	0.84	605	957	96.0	0.81	300	758	94.5	0.71
1400	1240	**1NA1 502-6AC10-0A.0**	1191	96.4	0.83	1460	11225	2.00	52.8	2100	1060	1093	96.7	0.83	710	955	96.2	0.83	355	757	95.1	0.76
1500	1320	**1NA1 502-6AC10-0C.0**	1193	96.6	0.86	1520	12007	1.80	67.6	2100	1135	1095	96.9	0.86	760	956	96.6	0.85	380	758	95.7	0.79
1550	1370	**1NA1 504-6AC10-0A.0**	1193	96.6	0.84	1600	12407	2.40	59.7	2100	1175	1095	96.8	0.83	785	956	96.2	0.81	390	757	94.8	0.72
1650	1450	**1NA1 504-6AC10-0C.0**	1194	96.8	0.86	1660	13196	2.10	76.2	2100	1250	1096	97.0	0.86	835	957	96.5	0.83	415	758	95.5	0.75
1600	1410	**1NA1 506-6AC10-0A.0**	1193	96.6	0.86	1620	12807	2.40	67.4	2100	1215	1095	96.9	0.85	810	956	96.1	0.83	405	758	94.7	0.74
1700	1500	**1NA1 506-6AC10-0C.0**	1194	96.8	0.87	1680	13596	2.10	85.6	2100	1290	1096	97.0	0.87	860	957	96.5	0.85	430	758	95.3	0.76
1850	1630	**1NA1 508-6AC10-0A.0**	1194	96.8	0.86	1860	14796	2.70	76.4	2100	1400	1095	97.0	0.84	935	956	96.0	0.81	465	758	94.3	0.71
1960	1730	**1NA1 508-6AC10-0C.0**	1195	97.0	0.87	1940	15662	2.40	96.8	2100	1485	1096	97.2	0.86	990	957	96.4	0.83	495	758	95.1	0.73
2300	2030	**1NA1 564-6AC10-0C.0**	1195	97.2	0.87	2300	18379	2.70	136.8	2000	1740	1096	97.4	0.86	1160	957	96.5	0.84	580	758	94.9	0.74
2420	2130	**1NA1 566-6AC10-0C.0**	1195	97.2	0.88	2350	19338	2.50	151.9	2000	1835	1096	97.4	0.87	1220	957	96.5	0.86	610	758	95.1	0.77
2510	2210	**1NA1 568-6AC10-0C.0**	1196	97.2	0.88	2450	20041	2.90	167.0	2000	1900	1097	97.4	0.86	1265	957	96.4	0.84	630	758	94.8	0.74
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - Square-law torque drive																							

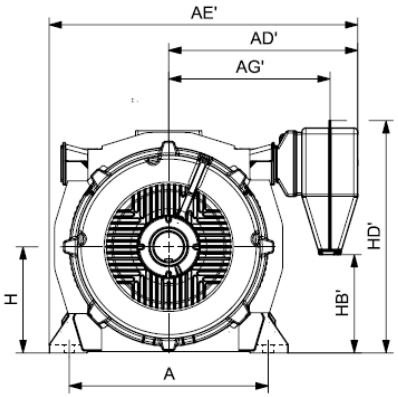
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque

Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
600	530	**1NA1 404-8AC10-0AA0**	893	95.9	0.84	620	6416	2.70	26.7	2400	455	820	96.1	0.82	305	716	94.7	0.77	150	568	92.6	0.66
580	510	**1NA1 404-8AC10-0CA0**	892	95.8	0.82	620	6209	2.30	32.8	2400	440	819	96.0	0.80	295	715	95.0	0.76	145	567	93.2	0.66
630	560	**1NA1 406-8AC10-0AA0**	894	96.0	0.84	650	6729	3.10	30.6	2400	480	821	96.0	0.80	320	717	94.3	0.74	160	568	91.7	0.61
620	550	**1NA1 406-8AC10-0CA0**	893	96.0	0.83	650	6630	2.70	37.6	2400	470	820	96.1	0.80	315	716	94.7	0.74	155	568	92.6	0.63
660	580	**1NA1 408-8AC10-0AA0**	894	96.1	0.84	680	7050	3.20	33.8	2400	500	821	96.1	0.80	335	717	94.4	0.74	165	568	91.7	0.61
650	570	**1NA1 408-8AC10-0CA0**	894	96.1	0.83	680	6943	2.80	41.5	2400	495	820	96.2	0.80	330	716	94.8	0.74	165	568	92.6	0.62
860	760	**1NA1 454-8AC10-0A.0**	892	95.8	0.80	940	9207	2.00	40.0	2200	650	819	96.1	0.80	435	716	95.2	0.77	215	567	93.6	0.68
850	750	**1NA1 454-8AC10-0C.0**	891	95.8	0.81	920	9110	2.10	48.8	2200	645	818	96.1	0.79	430	715	95.3	0.78	215	567	94.0	0.69
1300	1150	**1NA1 456-8AC10-0A.0**	892	96.1	0.80	1420	13917	2.00	46.4	2200	985	819	96.4	0.79	660	715	95.5	0.77	330	567	94.0	0.67
1000	880	**1NA1 456-8AC10-0C.0**	893	96.2	0.79	1100	10694	2.60	56.4	2200	760	820	96.4	0.77	505	716	95.3	0.73	255	567	93.6	0.61
1020	900	**1NA1 458-8AC10-0A.0**	894	96.2	0.81	1100	10895	2.80	54.9	2200	775	821	96.3	0.78	515	717	94.8	0.73	255	568	92.3	0.60
1020	900	**1NA1 458-8AC10-0C.0**	894	96.3	0.81	1100	10895	2.90	66.6	2200	775	820	96.4	0.78	515	716	95.1	0.74	255	568	93.0	0.61
1100	970	**1NA1 504-8AC10-0A.0**	893	96.0	0.81	1180	11763	1.70	58.9	2100	835	820	96.1	0.80	555	716	95.8	0.78	280	568	94.5	0.70
1150	1010	**1NA1 504-8AC10-0C.0**	893	95.9	0.85	1180	12298	2.00	75.7	2100	870	820	96.0	0.84	580	716	95.5	0.81	290	568	94.1	0.73
1170	1030	**1NA1 506-8AC10-0A.0**	893	96.0	0.82	1240	12511	1.80	66.4	2100	885	820	96.2	0.81	590	716	95.8	0.78	295	568	94.4	0.70
1200	1060	**1NA1 506-8AC10-0C.0**	894	96.0	0.85	1240	12818	2.10	85.2	2100	910	820	96.0	0.84	605	717	95.5	0.81	305	568	93.9	0.72
1320	1160	**1NA1 508-8AC10-0C.0**	895	96.1	0.85	1360	14084	2.50	96.4	2100	1000	821	96.1	0.82	665	717	95.3	0.77	335	568	93.4	0.66
1320	1160	**1NA1 508-8AC10-0A.0**	894	96.3	0.81	1420	14100	2.20	75.3	2100	1000	821	96.3	0.79	665	717	95.7	0.75	335	568	94.1	0.65
1700	1500	**1NA1 564-8AC10-0C.0**	894	96.6	0.85	1740	18159	1.90	136.4	2000	1290	820	96.9	0.85	860	716	96.3	0.84	430	568	95.1	0.76
1820	1600	**1NA1 566-8AC10-0C.0**	894	96.8	0.85	1860	19440	2.10	151.8	2000	1380	821	97.0	0.85	920	717	96.1	0.83	460	568	94.6	0.73
1910	1680	**1NA1 568-8AC10-0C.0**	895	96.9	0.85	1940	20379	2.20	167.1	2000	1450	821	97.0	0.84	965	717	96.2	0.82	480	568	94.6	0.72

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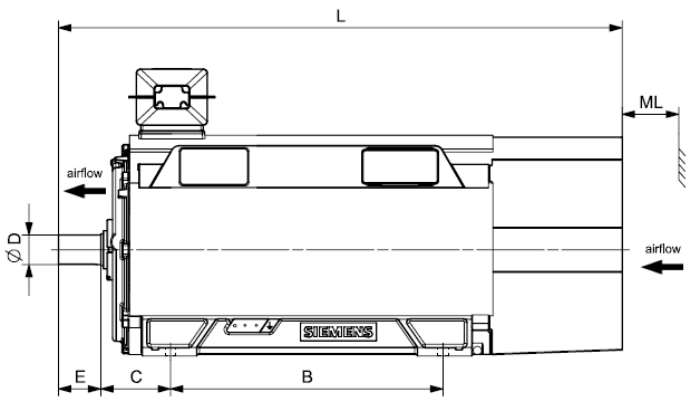


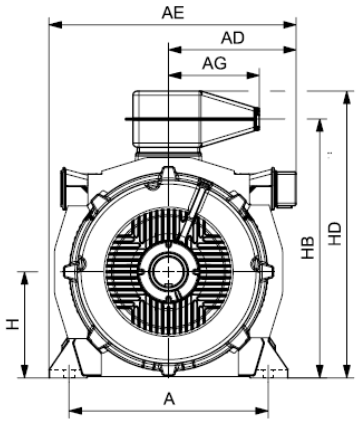


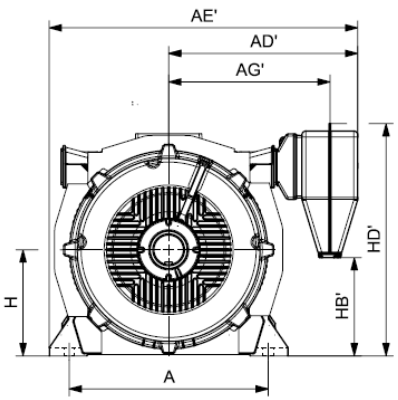


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2AC10-0A.0	3300	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 402-2AC10-0C.0	3400	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC10-0A.0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC10-0C.0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC10-0A.0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC10-0C.0	3700	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC10-0A.0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC10-0C.0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 454-2AC10-0AC0	4600	850	564	884	1079	1399	356	670	1250	450	95	130	450	1068	451	1282	1057	2482	180
1NA1 454-2AC10-0C.0	4700	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 456-2AC10-0AC0	4800	850	564	884	1079	1399	356	670	1250	450	95	130	450	1068	451	1282	1057	2482	180
1NA1 456-2AC10-0C.0	4900	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 458-2AC10-0AC0	5000	850	564	884	1079	1399	356	670	1250	450	95	130	450	1068	451	1282	1057	2482	180
1NA1 458-2AC10-0C.0	5100	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 504-2AC10-0CC0	6100	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 506-2AC10-0CC0	6500	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 508-2AC10-0CC0	6900	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 566-2AC10-0CC0	8400	1060	670	1089	1305	1724	371	945	1400	560	120	165	560	1470	627	1635	1300	2922	225
1NA1 568-2AC10-0CC0	8700	1060	670	1089	1305	1724	371	945	1400	560	120	165	560	1470	627	1635	1300	2922	225
4-pole																			
1NA1 404-4AC10-0A.0	3500	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-4AC10-0C.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160

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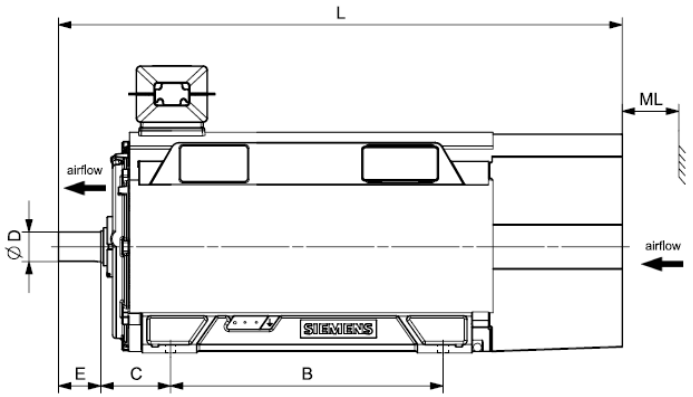


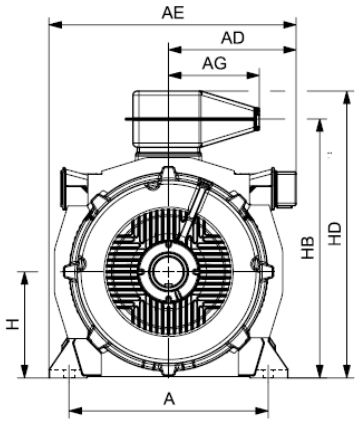


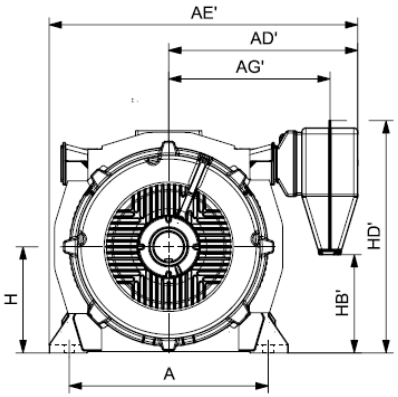


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 406-4AC10-0A.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-4AC10-0C.0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC10-0A.0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC10-0C.0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-4AC10-0A.0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-4AC10-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC10-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC10-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC10-0C.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC10-0A.0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-4AC10-0A.0	6200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-4AC10-0C.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC10-0A.0	6700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC10-0C.0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC10-0A.0	7100	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC10-0C.0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-4AC10-0A.0	8300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 564-4AC10-0C.0	8600	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC10-0A.0	8800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC10-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-4AC10-0A.0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-4AC10-0C.0	9600	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
6-pole																			

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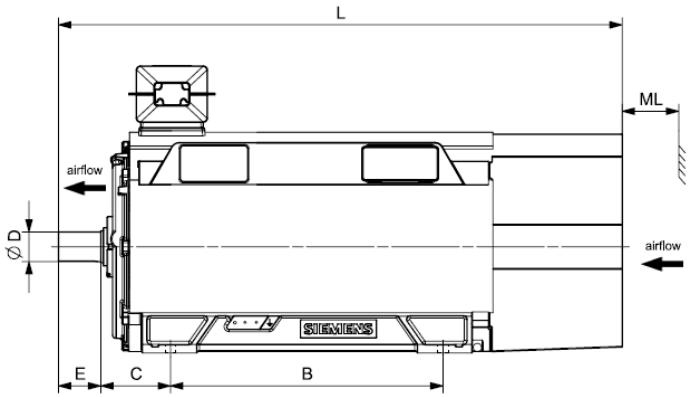


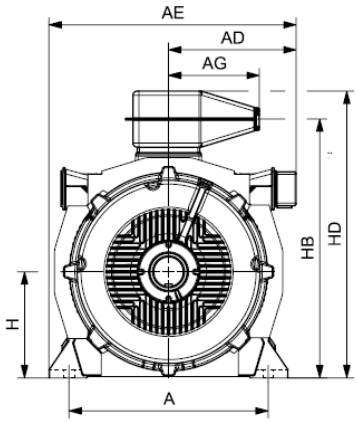


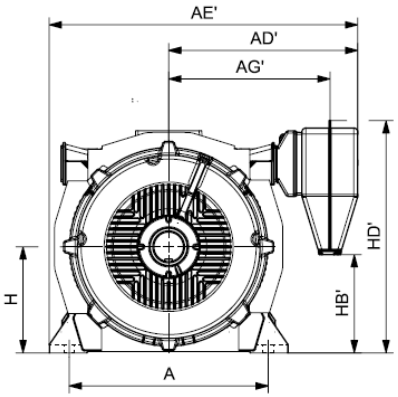


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 404-6AC10-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-6AC10-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC10-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC10-0CA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC10-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC10-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-6AC10-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-6AC10-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC10-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC10-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC10-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC10-0C.0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 502-6AC10-0A.0	6100	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 502-6AC10-0C.0	6300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC10-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC10-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC10-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC10-0C.0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC10-0A.0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC10-0C.0	7600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-6AC10-0C.0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-6AC10-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-6AC10-0C.0	10200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

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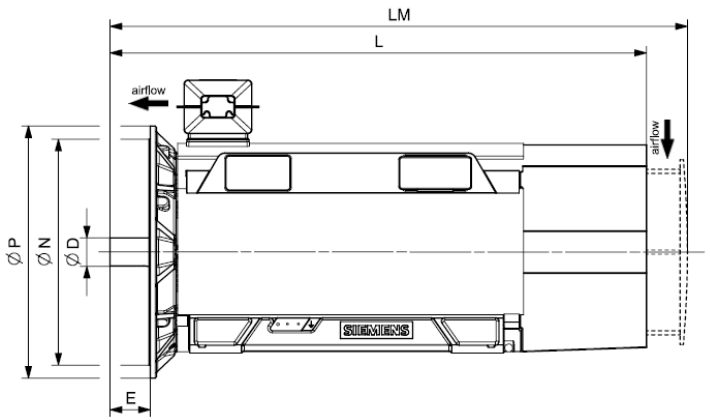


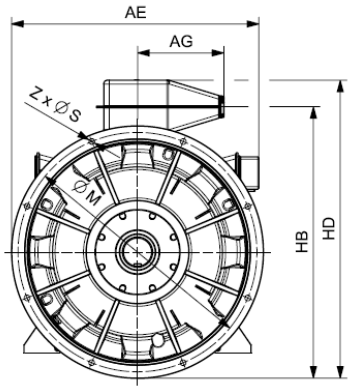




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
8-pole																			
1NA1 404-8AC10-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-8AC10-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC10-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC10-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC10-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC10-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-8AC10-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-8AC10-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC10-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC10-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC10-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC10-0C.0	5600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-8AC10-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-8AC10-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC10-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC10-0C.0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC10-0C.0	7500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC10-0A.0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-8AC10-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-8AC10-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-8AC10-0C.0	10200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

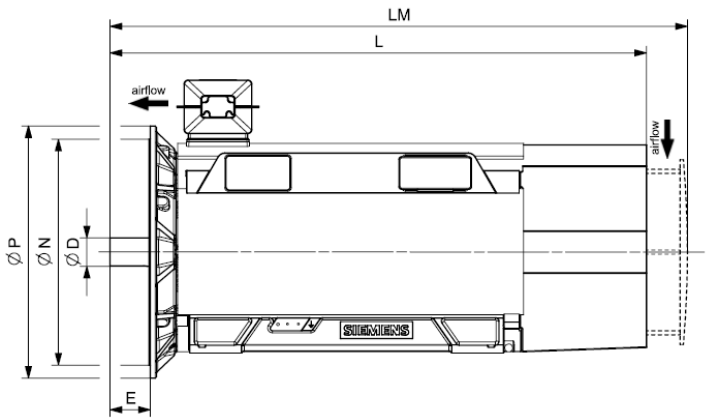
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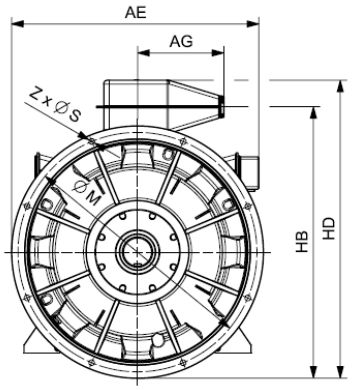




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4AC14-0AA0	3600	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-4AC14-0CA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC14-0AA0	3800	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC14-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC14-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC14-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-4AC14-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-4AC14-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC14-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC14-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC14-0CA0	5700	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC14-0AA0	5500	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-4AC14-0AA0	6400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-4AC14-0CA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC14-0AA0	6900	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC14-0CA0	7100	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC14-0AA0	7300	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC14-0CA0	7600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-4AC14-0AA0	8500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 564-4AC14-0CA0	8900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC14-0AA0	9000	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC14-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

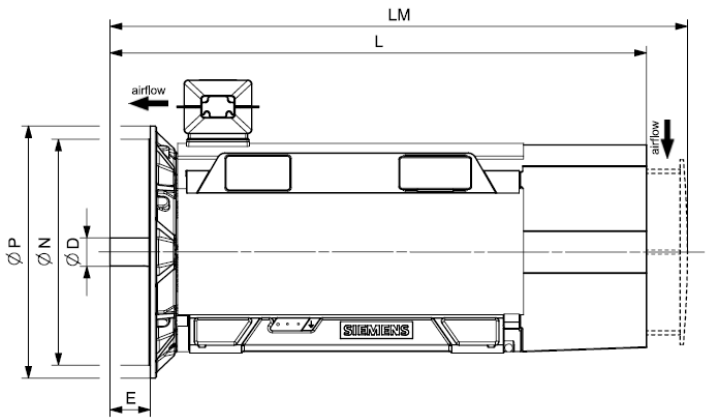
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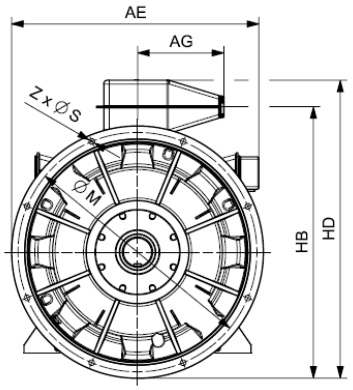




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 568-4AC14-0AA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-4AC14-0CA0	9800	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AC14-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-6AC14-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC14-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC14-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC14-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC14-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-6AC14-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-6AC14-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC14-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC14-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC14-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC14-0CA0	5900	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 502-6AC14-0AA0	6200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 502-6AC14-0CA0	6500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC14-0AA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC14-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC14-0AA0	6900	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC14-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC14-0AA0	7500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC14-0CA0	7800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16

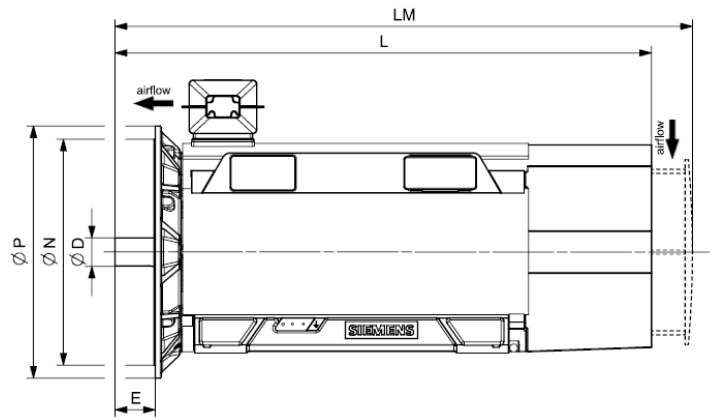
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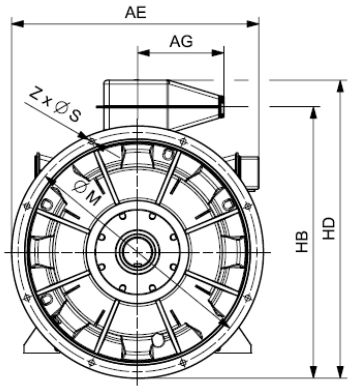




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 564-6AC14-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-6AC14-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-6AC14-0CA0	10400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AC14-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-8AC14-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC14-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC14-0CA0	4100	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC14-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC14-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-8AC14-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-8AC14-0CA0	4900	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC14-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC14-0CA0	5300	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC14-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC14-0CA0	5800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-8AC14-0AA0	6500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-8AC14-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC14-0AA0	7000	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC14-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC14-0CA0	7700	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC14-0AA0	7400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-8AC14-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

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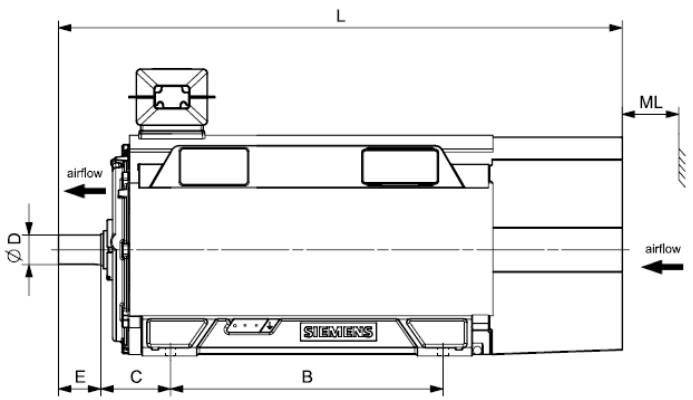
Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-8AC14-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-8AC14-0CA0	10500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

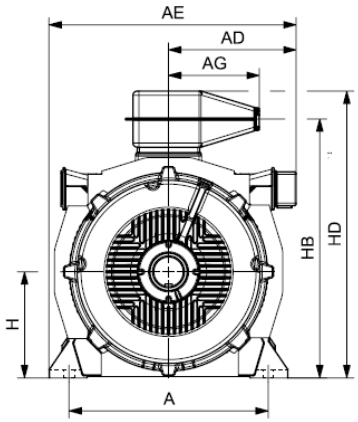
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n ^{2}	Operating values at rated output for utilization F/B									Partial load values for square-law torque drive											
												P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)	Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit													
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	960	**1NA1 454-2AR40-0A.0**	2986	96.9	0.90	152	3070	2.90	14.3	3600	715	2688	97.0	0.90	485	2391	97.0	0.87	235	1855	96.8	0.83
	950	**1NA1 454-2AR40-0C.0**	2983	96.7	0.90	152	3041	2.50	18.4	3600	705	2686	96.9	0.90	480	2390	96.9	0.87	235	1854	96.6	0.82
	1050	**1NA1 456-2AR40-0A.0**	2986	97.0	0.91	166	3358	3.10	15.8	3600	780	2689	97.1	0.90	530	2392	97.1	0.88	260	1855	96.8	0.83
	1020	**1NA1 456-2AR40-0C.0**	2984	96.9	0.91	160	3264	2.70	20.3	3600	760	2687	97.0	0.90	515	2390	96.9	0.88	250	1854	96.6	0.82
	1170	**1NA1 458-2AR40-0A.0**	2987	97.1	0.92	182	3740	3.40	17.0	3600	870	2690	97.2	0.90	590	2392	97.2	0.88	290	1855	96.8	0.82
	1150	**1NA1 458-2AR40-0C.0**	2985	97.0	0.91	180	3679	2.80	21.9	3600	855	2688	97.1	0.90	580	2391	97.0	0.88	285	1854	96.6	0.82
	1310	**1NA1 504-2AR40-0AC0**	2987	96.9	0.90	210	4188	3.20	22.6	3600	975	2689	97.1	0.90	660	2392	97.1	0.87	325	1855	96.8	0.82
	1310	**1NA1 504-2AR40-0C.0**	2987	96.8	0.90	210	4188	2.80	27.0	3000	975	2690	97.0	0.90	660	2392	97.0	0.87	325	1855	96.6	0.82
	1450	**1NA1 506-2AR40-0AC0**	2987	97.1	0.91	230	4636	3.20	25.7	3600	1080	2689	97.2	0.90	730	2392	97.2	0.88	360	1855	97.0	0.83
	1450	**1NA1 506-2AR40-0C.0**	2988	97.0	0.90	230	4634	2.80	31.0	3000	1080	2690	97.1	0.90	730	2393	97.1	0.88	360	1855	96.8	0.83
	1600	**1NA1 508-2AR40-0AC0**	2989	97.2	0.91	250	5112	3.90	28.1	3600	1190	2691	97.3	0.90	805	2393	97.3	0.88	395	1856	96.9	0.81
	1600	**1NA1 508-2AR40-0C.0**	2990	97.1	0.91	250	5110	3.30	34.0	3000	1190	2691	97.2	0.90	810	2394	97.1	0.87	395	1856	96.7	0.81
	1900	**1NA1 566-2AR40-0C.0**	2990	97.3	0.91	300	6068	2.70	55.4	3000	1415	2692	97.3	0.91	960	2394	97.3	0.90	470	1856	97.1	0.85
	2100	**1NA1 568-2AR40-0C.0**	2991	97.4	0.92	325	6705	2.90	60.1	3000	1560	2693	97.5	0.91	1060	2395	97.4	0.90	520	1857	97.1	0.84
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	960	**1NA1 454-4AR40-0A.0**	1493	96.6	0.85	162	6140	3.30	21.6	2400	715	1344	96.7	0.82	485	1196	96.5	0.77	235	927	96.0	0.65
	960	**1NA1 454-4AR40-0C.0**	1493	96.6	0.84	164	6140	2.70	27.6	2400	715	1344	96.7	0.82	485	1196	96.6	0.78	235	927	96.1	0.67
	1050	**1NA1 456-4AR40-0A.0**	1493	96.7	0.86	176	6716	3.30	24.8	2400	780	1344	96.8	0.84	530	1196	96.7	0.79	260	927	96.1	0.68
	1050	**1NA1 456-4AR40-0C.0**	1493	96.7	0.85	178	6716	2.70	31.8	2400	780	1344	96.8	0.83	530	1196	96.7	0.79	260	927	96.2	0.69
	1160	**1NA1 458-4AR40-0A.0**	1494	96.8	0.85	196	7414	3.70	27.3	2400	865	1345	96.9	0.82	585	1196	96.7	0.76	285	928	96.1	0.63
	1170	**1NA1 458-4AR40-0C.0**	1494	96.8	0.84	200	7478	3.00	34.8	2400	870	1345	96.9	0.82	590	1196	96.8	0.77	290	928	96.3	0.65
	1300	**1NA1 504-4AR40-0A.0**	1492	96.6	0.87	215	8320	2.70	32.6	2200	965	1343	96.7	0.87	655	1195	96.7	0.83	320	927	96.4	0.75
	1300	**1NA1 504-4AR40-0C.0**	1492	96.6	0.86	215	8320	2.10	42.5	2200	965	1344	96.8	0.85	655	1195	96.8	0.83	320	927	96.6	0.76
	1460	**1NA1 506-4AR40-0A.0**	1492	96.7	0.88	240	9344	2.90	37.1	2200	1085	1344	96.8	0.87	735	1195	96.8	0.83	360	927	96.5	0.75
	1460	**1NA1 506-4AR40-0C.0**	1493	96.8	0.87	240	9338	2.30	48.0	2200	1085	1344	96.9	0.86	735	1196	96.9	0.83	360	927	96.6	0.76
	1520	**1NA1 508-4AR40-0A.0**	1494	96.8	0.88	250	9715	3.50	42.5	2200	1130	1345	96.9	0.86	765	1196	96.8	0.81	375	928	96.4	0.71
	1550	**1NA1 508-4AR40-0C.0**	1494	96.9	0.87	255	9907	2.70	54.7	2200	1155	1345	97.0	0.86	785	1196	96.9	0.82	380	928	96.6	0.73
	1810	**1NA1 562-4AR40-0C.0**	1493	96.9	0.86	300	11577	2.10	72.5	2000	1345	1345	97.0	0.85	915	1196	97.0	0.82	445	928	96.8	0.75
	1820	**1NA1 562-4AR40-0A.0**	1493	96.9	0.87	300	11641	2.50	54.5	2000	1355	1345	97.0	0.85	920	1196	96.9	0.82	450	928	96.6	0.74
	2020	**1NA1 564-4AR40-0A.0**	1494	97.0	0.88	330	12911	2.70	60.0	2000	1505	1345	97.1	0.86	1020	1196	97.0	0.83	500	928	96.7	0.74
	2010	**1NA1 564-4AR40-0C.0**	1494	97.1	0.87	330	12847	2.30	79.4	2000	1495	1345	97.2	0.86	1015	1196	97.1	0.83	495	928	96.8	0.75
	2200	**1NA1 566-4AR40-0A.0**	1494	97.2	0.88	355	14062	2.80	66.7	2000	1635	1345	97.2	0.87	1110	1196	97.1	0.83	545	928	96.7	0.74
	2200	**1NA1 566-4AR40-0C.0**	1494	97.2	0.87	360	14062	2.40	88.1	2000	1635	1345	97.3	0.86	1110	1196	97.2	0.83	545	928	96.9	0.75
	2360	**1NA1 568-4AR40-0A.0**	1495	97.2	0.88	385	15074	3.10	73.5	2000	1755	1346	97.3	0.86	1190	1197	97.1	0.82	580	928	96.7	0.73

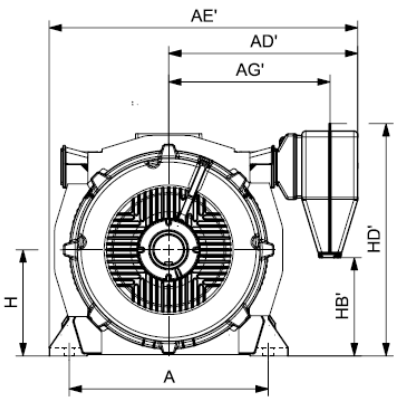
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SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B									Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	2370	**1NA1 568-4AR40-0C.0**	1495	97.3	0.88	385	15138	2.60	96.7	2000	1765	1346	97.4	0.86	1195	1197	97.2	0.83	585	928	96.9	0.74
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	710	**1NA1 454-6AR40-0A.0**	994	96.3	0.80	128	6821	2.40	31.8	2200	530	895	96.3	0.78	360	796	96.2	0.75	175	618	95.5	0.64
	720	**1NA1 454-6AR40-0C.0**	994	96.4	0.83	124	6917	2.50	41.0	2200	535	895	96.4	0.81	365	796	96.3	0.77	180	618	95.6	0.66
	800	**1NA1 456-6AR40-0A.0**	994	96.4	0.81	142	7686	2.40	36.9	2200	595	895	96.4	0.80	405	797	96.4	0.76	195	618	95.7	0.65
	800	**1NA1 456-6AR40-0C.0**	994	96.4	0.84	138	7686	2.60	47.3	2200	595	895	96.5	0.82	405	797	96.4	0.77	195	618	95.7	0.66
	860	**1NA1 458-6AR40-0A.0**	995	96.5	0.82	150	8254	2.60	43.6	2200	640	896	96.5	0.80	435	797	96.4	0.75	210	618	95.7	0.64
	870	**1NA1 458-6AR40-0C.0**	995	96.5	0.84	148	8350	2.80	55.8	2200	645	896	96.5	0.81	440	797	96.4	0.77	215	618	95.7	0.65
	950	**1NA1 502-6AR40-0A.0**	994	96.3	0.84	162	9127	2.60	52.8	2100	705	895	96.5	0.83	480	796	96.5	0.80	235	618	96.1	0.70
	1000	**1NA1 502-6AR40-0C.0**	995	96.4	0.86	168	9597	2.30	67.6	2100	745	896	96.6	0.85	505	797	96.7	0.83	245	618	96.4	0.73
	1050	**1NA1 504-6AR40-0A.0**	994	96.4	0.85	178	10087	2.40	59.7	2100	780	895	96.7	0.84	530	796	96.7	0.82	260	618	96.4	0.74
	1120	**1NA1 504-6AR40-0C.0**	995	96.6	0.87	184	10749	2.10	76.2	2100	835	896	96.8	0.87	565	797	96.9	0.85	275	618	96.7	0.77
	1180	**1NA1 506-6AR40-0A.0**	994	96.6	0.85	200	11336	2.60	67.4	2100	880	895	96.8	0.84	595	796	96.8	0.81	290	618	96.4	0.72
	1250	**1NA1 506-6AR40-0C.0**	995	96.8	0.87	205	11997	2.30	85.6	2100	930	896	97.0	0.86	630	797	97.0	0.84	310	618	96.7	0.75
	1310	**1NA1 508-6AR40-0A.0**	994	96.7	0.86	220	12585	2.80	76.4	2100	975	895	96.9	0.85	660	797	96.8	0.82	325	618	96.4	0.71
	1400	**1NA1 508-6AR40-0C.0**	996	96.9	0.87	230	13423	2.40	96.8	2100	1040	896	97.1	0.86	705	797	97.1	0.84	345	618	96.7	0.75
	1770	**1NA1 564-6AR40-0C.0**	995	97.2	0.87	290	16987	2.40	136.8	2000	1315	896	97.3	0.87	895	797	97.4	0.86	435	618	97.1	0.78
	1890	**1NA1 566-6AR40-0C.0**	995	97.2	0.87	310	18139	2.60	151.9	2000	1405	896	97.4	0.87	955	797	97.4	0.85	465	618	97.2	0.77
	2000	**1NA1 568-6AR40-0C.0**	996	97.3	0.87	330	19175	2.90	167.0	2000	1485	897	97.4	0.86	1010	798	97.4	0.84	495	618	97.0	0.74
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	600	**1NA1 454-8AR40-0A.0**	744	95.8	0.78	112	7701	2.20	32.0	2200	445	670	95.9	0.76	305	596	95.8	0.72	150	463	95.1	0.61
	610	**1NA1 454-8AR40-0C.0**	744	95.9	0.80	110	7829	2.20	41.1	2200	455	670	95.9	0.78	310	597	95.8	0.74	150	463	95.0	0.62
	650	**1NA1 456-8AR40-0A.0**	744	95.9	0.78	120	8343	2.40	37.1	2200	485	670	96.0	0.77	330	597	95.9	0.72	160	463	95.1	0.61
	650	**1NA1 456-8AR40-0C.0**	745	96.0	0.80	118	8332	2.40	47.5	2200	485	671	96.0	0.78	330	597	95.8	0.73	160	463	95.0	0.61
	710	**1NA1 458-8AR40-0A.0**	745	96.1	0.79	130	9101	2.40	43.9	2200	530	671	96.1	0.77	360	597	96.0	0.73	175	463	95.3	0.60
	710	**1NA1 458-8AR40-0C.0**	745	96.1	0.80	128	9101	2.50	55.9	2200	530	671	96.1	0.77	360	597	95.9	0.73	175	463	95.1	0.60
	760	**1NA1 504-8AR40-0A.0**	745	95.9	0.80	138	9742	2.20	58.9	2100	565	671	96.0	0.79	385	597	96.0	0.75	190	463	95.3	0.65
	780	**1NA1 504-8AR40-0C.0**	745	95.9	0.84	134	9998	2.50	75.7	2100	580	671	95.8	0.82	395	597	95.8	0.78	195	463	95.1	0.67
	800	**1NA1 506-8AR40-0A.0**	746	96.0	0.80	144	10241	2.60	66.4	2100	595	672	95.9	0.78	405	597	95.9	0.72	200	463	95.0	0.60
	800	**1NA1 506-8AR40-0C.0**	746	95.8	0.83	140	10241	3.00	85.2	2100	595	672	95.8	0.80	405	598	95.7	0.74	195	464	94.7	0.61
	850	**1NA1 508-8AR40-0A.0**	746	96.0	0.80	154	10881	2.80	75.3	2100	635	672	96.0	0.77	430	598	95.9	0.71	210	464	94.9	0.59
	840	**1NA1 508-8AR40-0C.0**	747	95.9	0.82	148	10738	3.20	96.4	2100	625	672	95.8	0.79	425	598	95.6	0.73	205	464	94.5	0.59
	1120	**1NA1 564-8AR40-0C.0**	746	96.7	0.84	192	14337	2.70	136.4	2000	835	672	96.8	0.82	565	598	96.7	0.78	275	464	96.3	0.66
	1310	**1NA1 566-8AR40-0C.0**	746	96.8	0.84	225	16769	2.70	151.8	2000	975	672	96.9	0.82	660	598	96.8	0.78	325	464	96.3	0.66
	1350	**1NA1 568-8AR40-0C.0**	746	96.9	0.84	230	17281	2.80	167.1	2000	1005	672	96.9	0.82	680	598	96.9	0.78	335	464	96.5	0.66

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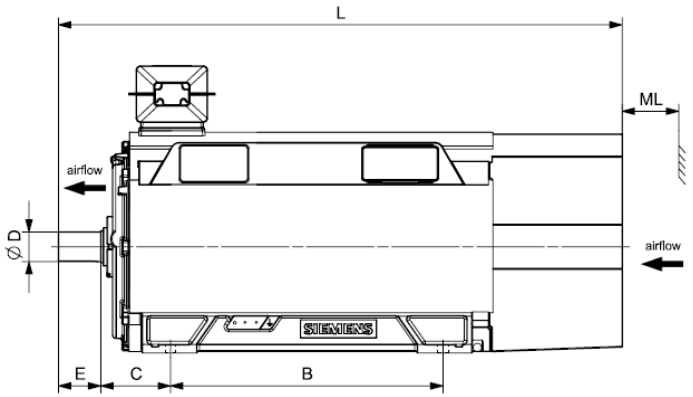


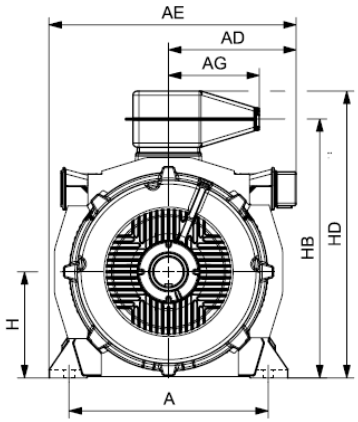


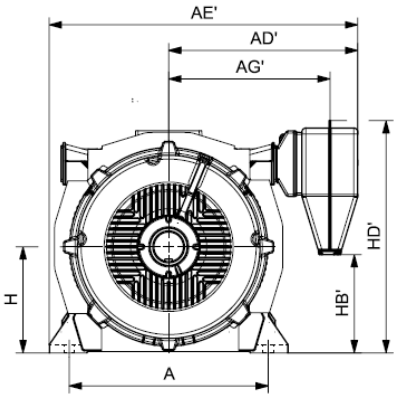


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2AR40-0A.0	4600	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 454-2AR40-0C.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AR40-0A.0	4900	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AR40-0C.0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AR40-0A.0	5100	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 504-2AR40-0AC0	6100	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 504-2AR40-0C.0	6200	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 506-2AR40-0AC0	6500	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 506-2AR40-0C.0	6700	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 508-2AR40-0AC0	6800	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 508-2AR40-0C.0	7000	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 566-2AR40-0C.0	9000	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	2642	225
1NA1 568-2AR40-0C.0	9400	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	2642	225
4-pole																			
1NA1 454-4AR40-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-4AR40-0C.0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR40-0A.0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR40-0A.0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR40-0C.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-4AR40-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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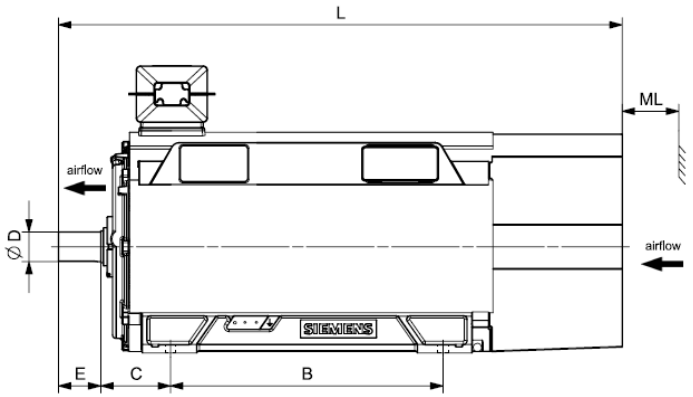


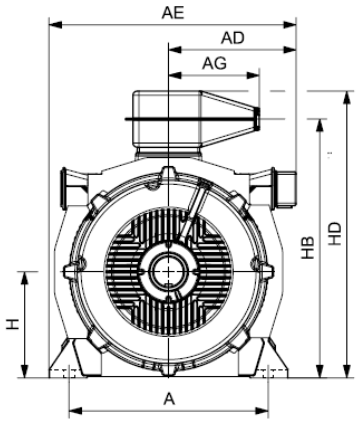


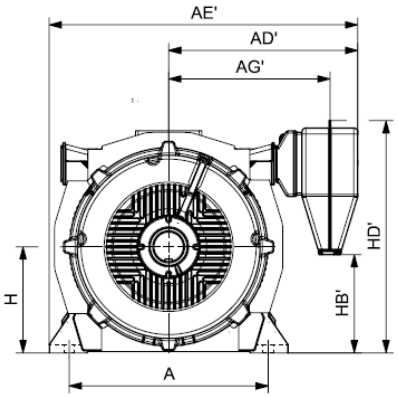


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-4AR40-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR40-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR40-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AR40-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AR40-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 562-4AR40-0C.0	8300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 562-4AR40-0A.0	8000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR40-0A.0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR40-0C.0	8700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR40-0A.0	8900	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR40-0C.0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR40-0A.0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR40-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
6-pole																			
1NA1 454-6AR40-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-6AR40-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR40-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR40-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR40-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 502-6AR40-0A.0	5900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 502-6AR40-0C.0	6100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AR40-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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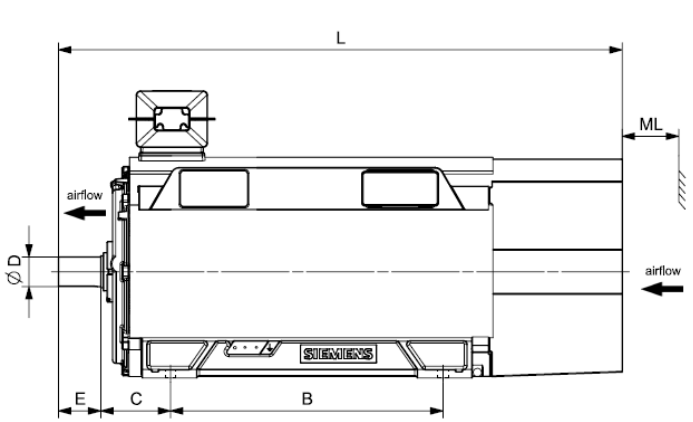


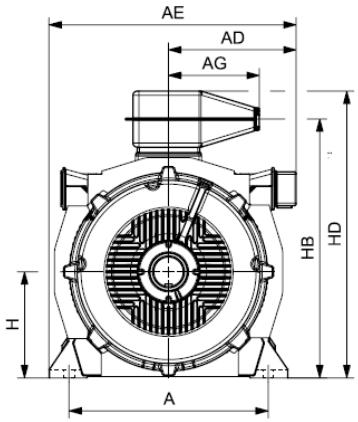


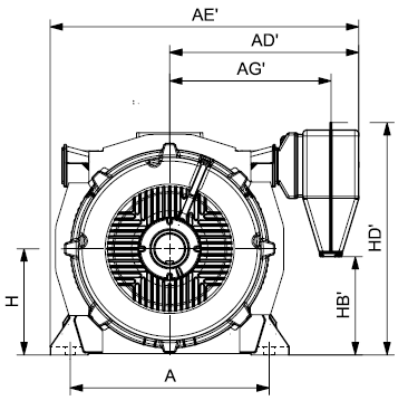


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-6AR40-0C.0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR40-0A.0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR40-0C.0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AR40-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AR40-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-6AR40-0C.0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-6AR40-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-6AR40-0C.0	10300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
8-pole																			
1NA1 454-8AR40-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-8AR40-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR40-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR40-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR40-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-8AR40-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-8AR40-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR40-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR40-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR40-0A.0	7100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR40-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-8AR40-0C.0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-8AR40-0C.0	9600	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

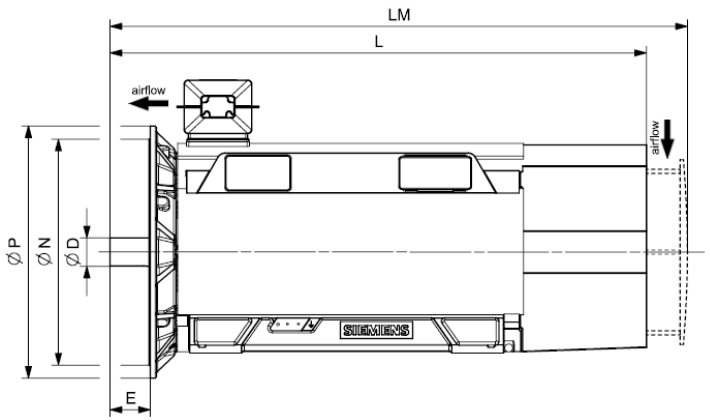
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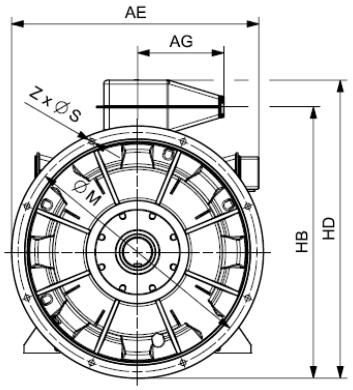






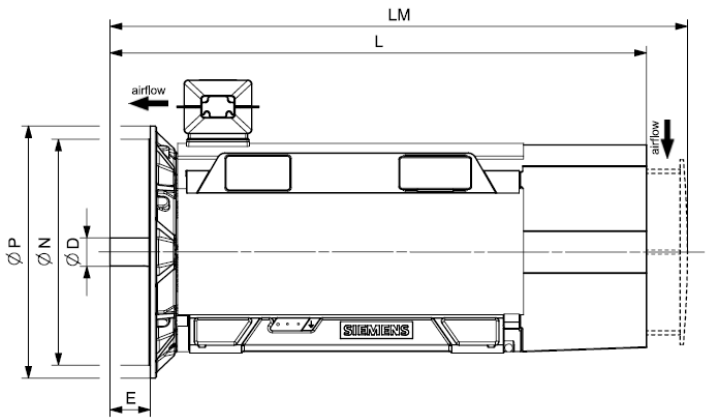
Motor type	Weight	Dimensions																		
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																				
1NA1 568-8AR40-0C.0	10200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

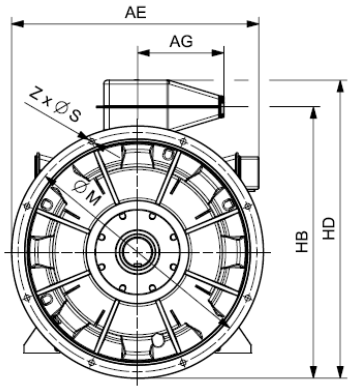




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4AR44-0AA0	4900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-4AR44-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR44-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR44-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR44-0AA0	5500	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR44-0CA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-4AR44-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-4AR44-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR44-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR44-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR44-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR44-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 562-4AR44-0CA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 562-4AR44-0AA0	8200	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR44-0AA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR44-0CA0	9000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR44-0AA0	9100	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR44-0CA0	9500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR44-0AA0	9600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR44-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 454-6AR44-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

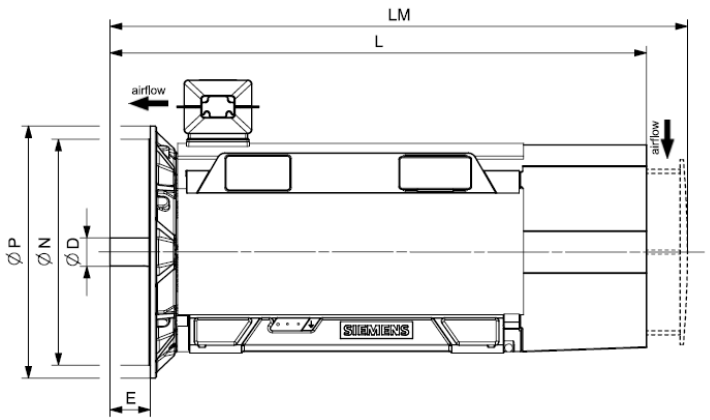
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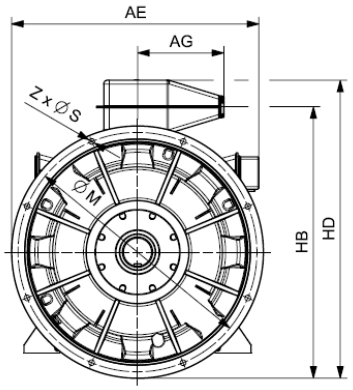




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6AR44-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR44-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR44-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR44-0AA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR44-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 502-6AR44-0AA0	6100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 502-6AR44-0CA0	6300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR44-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR44-0CA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR44-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR44-0CA0	7200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR44-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR44-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-6AR44-0CA0	9400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-6AR44-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-6AR44-0CA0	10500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 454-8AR44-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-8AR44-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR44-0AA0	5100	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR44-0CA0	5300	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR44-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR44-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8AR44-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-8AR44-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR44-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR44-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR44-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR44-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-8AR44-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-8AR44-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-8AR44-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

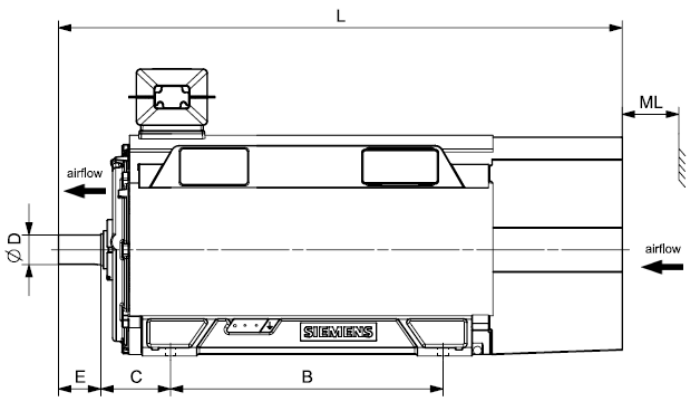
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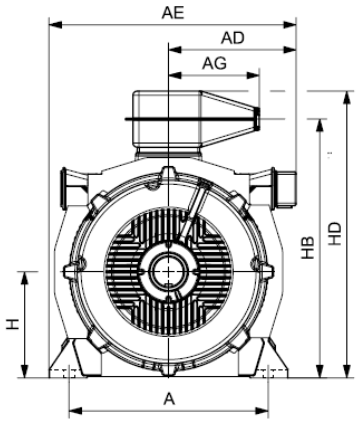
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n ^{2}	Operating values at rated output for utilization F/B									Partial load values for square-law torque drive											
												P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)	Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit													
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1120	**1NA1 454-2AR30-0AC0**	3586	96.9	0.90	178	2982	2.90	13.8	3600	850	3289	96.9	0.89	565	2872	96.9	0.87	280	2275	96.5	0.82
	1100	**1NA1 454-2AR30-0C.0**	3584	96.7	0.90	176	2931	2.50	18.7	3600	835	3287	96.7	0.89	555	2870	96.7	0.87	275	2274	96.2	0.81
	1260	**1NA1 456-2AR30-0AC0**	3587	97.0	0.91	198	3354	3.20	15.3	3600	955	3290	97.1	0.90	635	2872	97.0	0.87	315	2275	96.5	0.81
	1250	**1NA1 456-2AR30-0C.0**	3585	96.9	0.90	198	3330	2.70	20.6	3600	945	3288	96.9	0.90	630	2871	96.8	0.87	315	2274	96.3	0.81
	1410	**1NA1 458-2AR30-0AC0**	3588	97.2	0.91	220	3753	3.50	16.6	3600	1070	3291	97.1	0.90	710	2873	97.0	0.87	355	2276	96.5	0.80
	1400	**1NA1 458-2AR30-0C.0**	3586	97.0	0.91	220	3728	2.90	22.3	3600	1060	3289	97.0	0.89	705	2872	96.8	0.86	355	2275	96.3	0.80
	1500	**1NA1 504-2AR30-0CC0**	3588	96.7	0.90	240	3992	2.90	28.9	3600	1135	3290	96.7	0.90	755	2873	96.6	0.87	380	2275	96.0	0.81
	1670	**1NA1 506-2AR30-0CC0**	3588	96.9	0.91	265	4445	3.00	32.6	3600	1265	3291	96.8	0.90	845	2873	96.7	0.88	420	2276	96.1	0.82
	1750	**1NA1 508-2AR30-0CC0**	3590	96.9	0.91	275	4655	3.60	35.6	3600	1325	3292	96.8	0.90	885	2874	96.7	0.86	440	2276	96.0	0.79
	2160	**1NA1 566-2AR30-0CC0**	3590	97.1	0.91	340	5746	2.70	54.6	3600	1635	3292	97.0	0.91	1090	2874	97.0	0.90	545	2276	96.6	0.85
	2400	**1NA1 568-2AR30-0CC0**	3591	97.2	0.92	370	6382	2.80	59.4	3600	1820	3292	97.2	0.91	1210	2874	97.1	0.90	605	2276	96.7	0.85
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1150	**1NA1 454-4AR30-0A.0**	1793	96.7	0.84	196	6125	3.20	21.6	2400	870	1644	96.6	0.81	580	1436	96.4	0.76	290	1137	95.7	0.63
	1150	**1NA1 454-4AR30-0C.0**	1793	96.7	0.84	196	6125	2.70	27.6	2400	870	1644	96.6	0.81	580	1436	96.5	0.77	290	1137	95.8	0.65
	1200	**1NA1 456-4AR30-0A.0**	1794	96.7	0.84	205	6387	3.60	24.8	2400	910	1645	96.6	0.81	605	1436	96.4	0.75	300	1138	95.5	0.62
	1210	**1NA1 456-4AR30-0C.0**	1794	96.7	0.84	205	6441	3.00	31.8	2400	915	1645	96.7	0.81	610	1436	96.5	0.76	305	1138	95.7	0.64
	1300	**1NA1 458-4AR30-0A.0**	1794	96.8	0.85	220	6920	3.90	27.3	2400	985	1645	96.7	0.81	655	1436	96.5	0.75	325	1138	95.6	0.62
	1310	**1NA1 458-4AR30-0C.0**	1794	96.8	0.84	225	6973	3.20	34.8	2400	990	1645	96.8	0.82	660	1436	96.5	0.76	330	1138	95.8	0.64
	1510	**1NA1 504-4AR30-0A.0**	1792	96.4	0.88	245	8047	2.70	32.6	2200	1145	1643	96.4	0.87	765	1435	96.4	0.83	380	1137	95.9	0.75
	1510	**1NA1 504-4AR30-0C.0**	1792	96.5	0.86	255	8047	2.20	42.5	2200	1145	1644	96.6	0.86	765	1435	96.5	0.83	380	1137	96.1	0.76
	1660	**1NA1 506-4AR30-0A.0**	1793	96.6	0.88	270	8841	3.20	37.1	2200	1260	1644	96.5	0.86	840	1436	96.4	0.82	420	1137	95.7	0.72
	1670	**1NA1 506-4AR30-0C.0**	1793	96.7	0.87	275	8894	2.50	48.0	2200	1265	1645	96.7	0.86	845	1436	96.6	0.82	420	1138	96.0	0.74
	1750	**1NA1 508-4AR30-0A.0**	1793	96.7	0.89	280	9320	3.20	42.5	2200	1325	1644	96.7	0.87	885	1436	96.6	0.83	440	1137	96.0	0.74
	1750	**1NA1 508-4AR30-0C.0**	1794	96.8	0.87	290	9315	2.50	54.7	2200	1325	1645	96.8	0.86	885	1436	96.7	0.83	440	1138	96.2	0.74
	2050	**1NA1 562-4AR30-0C.0**	1793	96.7	0.86	340	10918	2.10	72.5	2000	1555	1644	96.7	0.86	1035	1436	96.6	0.83	515	1138	96.2	0.76
	2060	**1NA1 562-4AR30-0A.0**	1793	96.6	0.87	340	10971	2.40	54.5	2000	1560	1645	96.5	0.86	1040	1436	96.4	0.83	520	1138	95.9	0.75
	2250	**1NA1 564-4AR30-0A.0**	1794	96.7	0.88	365	11977	2.60	60.0	2000	1705	1645	96.7	0.87	1135	1436	96.5	0.83	565	1138	96.0	0.75
	2250	**1NA1 564-4AR30-0C.0**	1793	96.9	0.87	370	11983	2.20	79.4	2000	1705	1645	96.8	0.86	1135	1436	96.7	0.83	565	1138	96.2	0.76
	2420	**1NA1 566-4AR30-0A.0**	1794	96.8	0.88	395	12881	2.80	66.7	2000	1835	1645	96.7	0.87	1220	1437	96.5	0.83	610	1138	95.9	0.74
	2450	**1NA1 566-4AR30-0C.0**	1794	97.0	0.88	400	13041	2.40	88.1	2000	1855	1645	96.9	0.87	1235	1436	96.8	0.83	615	1138	96.2	0.75
	2650	**1NA1 568-4AR30-0A.0**	1795	97.0	0.89	425	14098	3.10	73.5	2000	2005	1646	96.8	0.87	1335	1437	96.5	0.82	665	1138	95.7	0.72
	2670	**1NA1 568-4AR30-0C.0**	1795	97.1	0.88	435	14204	2.70	96.7	2000	2025	1646	97.0	0.86	1350	1437	96.7	0.83	670	1138	96.0	0.73
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	800	**1NA1 454-6AR30-0A.0**	1194	96.3	0.81	142	6398	2.20	31.8	2200	605	1095	96.3	0.80	405	956	96.2	0.76	200	758	95.5	0.65

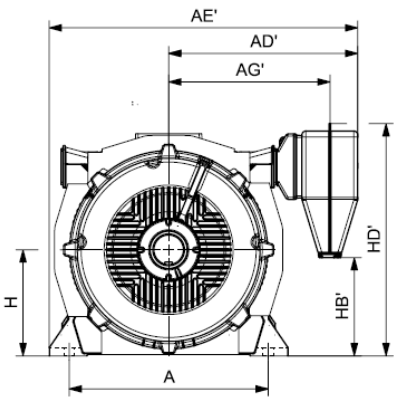
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SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power **IEC**		**SIMOTICS HV C VSD M ~n [2]**	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	850	**1NA1 454-6AR30-0C.0**	1194	96.5	0.84	146	6798	2.30	41.0	2200	645	1095	96.4	0.82	430	956	96.4	0.79	215	758	95.7	0.68
	900	**1NA1 456-6AR30-0A.0**	1194	96.5	0.81	160	7198	2.40	36.9	2200	680	1095	96.4	0.80	455	957	96.3	0.76	225	758	95.5	0.65
	950	**1NA1 456-6AR30-0C.0**	1194	96.6	0.84	162	7598	2.50	47.3	2200	720	1095	96.5	0.82	480	956	96.4	0.78	240	758	95.7	0.67
	1000	**1NA1 458-6AR30-0A.0**	1195	96.5	0.81	178	7991	2.80	43.6	2200	760	1096	96.4	0.78	505	957	96.2	0.73	250	758	95.3	0.60
	1000	**1NA1 458-6AR30-0C.0**	1195	96.6	0.83	174	7991	3.00	55.8	2200	755	1096	96.4	0.80	505	957	96.2	0.75	250	758	95.3	0.61
	1150	**1NA1 502-6AR30-0A.0**	1193	96.5	0.83	200	9205	2.20	52.8	2100	870	1094	96.6	0.83	580	956	96.7	0.82	290	758	96.3	0.73
	1200	**1NA1 502-6AR30-0C.0**	1195	96.6	0.86	200	9589	2.10	67.6	2100	910	1096	96.8	0.86	605	957	96.8	0.84	305	758	96.4	0.76
	1250	**1NA1 504-6AR30-0A.0**	1194	96.6	0.85	210	9997	2.40	59.7	2100	950	1095	96.7	0.84	630	956	96.7	0.82	315	758	96.2	0.73
	1320	**1NA1 504-6AR30-0C.0**	1195	96.8	0.87	220	10548	2.20	76.2	2100	1000	1096	96.9	0.86	665	957	96.9	0.85	335	758	96.5	0.76
	1310	**1NA1 506-6AR30-0A.0**	1195	96.7	0.85	220	10468	2.80	67.4	2100	995	1096	96.7	0.84	660	957	96.7	0.81	330	758	96.1	0.70
	1400	**1NA1 506-6AR30-0C.0**	1196	96.8	0.87	230	11178	2.50	85.6	2100	1060	1096	96.9	0.86	705	957	96.8	0.83	355	758	96.4	0.73
	1450	**1NA1 508-6AR30-0A.0**	1195	96.8	0.86	240	11587	2.90	76.4	2100	1100	1096	96.8	0.84	730	957	96.7	0.81	365	758	96.1	0.70
	1520	**1NA1 508-6AR30-0C.0**	1196	96.9	0.87	250	12136	2.60	96.8	2100	1150	1097	97.0	0.86	765	958	96.9	0.83	385	758	96.4	0.73
	2000	**1NA1 564-6AR30-0C.0**	1195	97.2	0.88	325	15982	2.40	136.8	2000	1515	1096	97.3	0.88	1010	957	97.3	0.86	505	758	96.9	0.78
	2230	**1NA1 566-6AR30-0C.0**	1195	97.3	0.88	360	17820	2.40	151.9	2000	1690	1096	97.3	0.88	1125	957	97.3	0.87	560	758	96.9	0.79
	2330	**1NA1 568-6AR30-0C.0**	1196	97.3	0.87	380	18604	2.90	167.0	2000	1765	1097	97.3	0.87	1175	957	97.2	0.84	585	758	96.6	0.74
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	720	**1NA1 454-8AR30-0A.0**	893	96.0	0.78	134	7699	1.90	32.0	2200	545	820	96.0	0.77	365	716	96.0	0.75	180	568	95.4	0.64
	750	**1NA1 454-8AR30-0C.0**	893	96.0	0.81	134	8020	2.00	41.1	2200	570	820	96.1	0.80	380	716	96.0	0.76	190	568	95.4	0.66
	770	**1NA1 456-8AR30-0A.0**	894	96.1	0.79	140	8225	2.20	37.1	2200	585	820	96.1	0.77	390	716	96.0	0.74	195	568	95.2	0.62
	770	**1NA1 456-8AR30-0C.0**	895	96.1	0.80	140	8216	2.20	47.5	2200	585	821	96.1	0.79	390	717	95.9	0.74	195	568	95.1	0.62
	800	**1NA1 458-8AR30-0A.0**	895	96.2	0.77	150	8536	2.70	43.9	2200	605	821	96.1	0.75	405	717	95.8	0.69	200	568	94.7	0.56
	800	**1NA1 458-8AR30-0C.0**	896	96.1	0.78	148	8526	2.80	55.9	2200	605	822	96.0	0.75	405	717	95.6	0.70	200	568	94.5	0.56
	850	**1NA1 504-8AR30-0C.0**	896	95.8	0.84	146	9059	2.50	75.7	2100	645	821	95.6	0.82	430	717	95.6	0.77	215	568	94.6	0.66
	850	**1NA1 504-8AR30-0A.0**	896	95.9	0.80	154	9059	2.50	58.9	2100	645	821	95.8	0.78	430	717	95.8	0.72	215	568	94.8	0.60
	910	**1NA1 506-8AR30-0A.0**	895	96.0	0.81	162	9709	2.30	66.4	2100	690	821	95.9	0.79	460	717	95.9	0.75	230	568	95.0	0.64
	910	**1NA1 506-8AR30-0C.0**	896	95.8	0.84	156	9699	2.70	85.2	2100	690	822	95.7	0.82	460	717	95.6	0.77	230	568	94.6	0.65
	940	**1NA1 508-8AR30-0A.0**	895	96.1	0.82	166	10029	2.30	75.3	2100	710	821	96.0	0.80	475	717	96.0	0.76	235	568	95.1	0.65
	940	**1NA1 508-8AR30-0C.0**	896	96.0	0.84	162	10018	2.80	96.4	2100	710	822	95.8	0.82	475	718	95.7	0.77	235	569	94.7	0.66
	1250	**1NA1 564-8AR30-0C.0**	896	96.7	0.85	210	13322	2.40	136.4	2000	945	821	96.7	0.84	630	717	96.7	0.81	315	568	96.2	0.70
	1450	**1NA1 566-8AR30-0C.0**	896	96.8	0.84	245	15454	2.50	151.8	2000	1100	822	96.8	0.83	730	718	96.7	0.80	365	568	96.2	0.68
	1520	**1NA1 568-8AR30-0C.0**	896	96.8	0.84	260	16200	2.90	167.1	2000	1150	822	96.8	0.82	765	718	96.6	0.77	385	569	95.9	0.64

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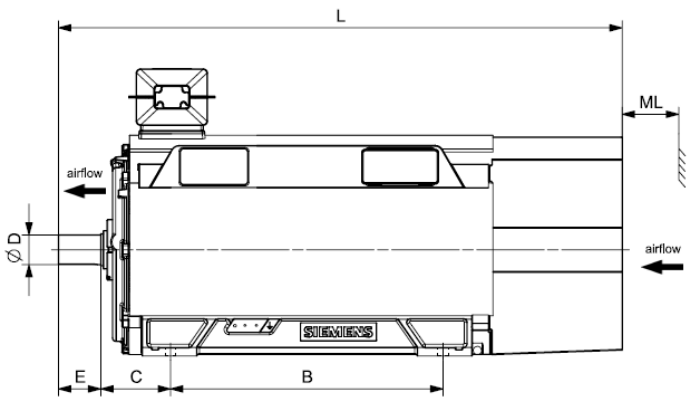


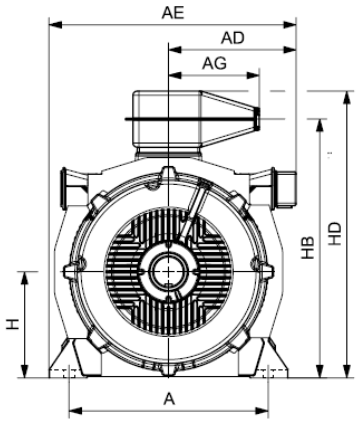


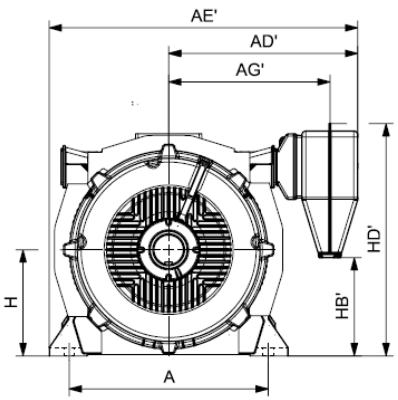


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2AR30-0AC0	4600	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 454-2AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AR30-0AC0	4800	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 456-2AR30-0C.0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AR30-0AC0	5100	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 458-2AR30-0C.0	5300	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 504-2AR30-0CC0	6200	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 506-2AR30-0CC0	6700	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 508-2AR30-0CC0	6900	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 566-2AR30-0CC0	8600	1060	670	954	1305	1589	489	823	1400	560	120	165	560	1348	509	1479	1201	2922	225
1NA1 568-2AR30-0CC0	9100	1060	670	954	1305	1589	489	823	1400	560	120	165	560	1348	509	1479	1201	2922	225
4-pole																			
1NA1 454-4AR30-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-4AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR30-0A.0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR30-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR30-0A.0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR30-0C.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-4AR30-0A.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-4AR30-0C.0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR30-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR30-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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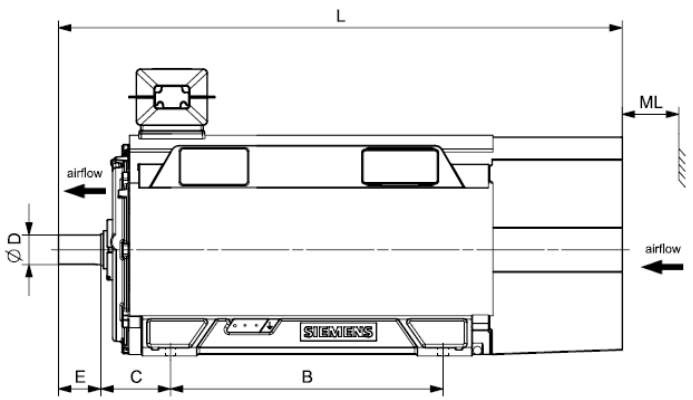


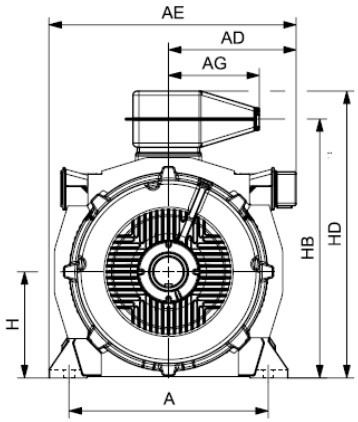


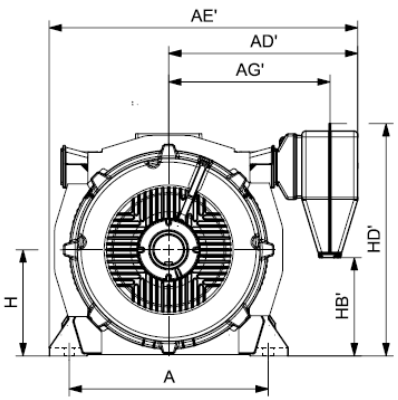


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4AR30-0A.0	7100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AR30-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 562-4AR30-0C.0	8300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 562-4AR30-0A.0	8000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR30-0A.0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR30-0C.0	8700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR30-0A.0	8900	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR30-0C.0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR30-0A.0	9400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR30-0C.0	9800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
6-pole																			
1NA1 454-6AR30-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-6AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR30-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR30-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR30-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR30-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 502-6AR30-0A.0	6000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 502-6AR30-0C.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AR30-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AR30-0C.0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR30-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR30-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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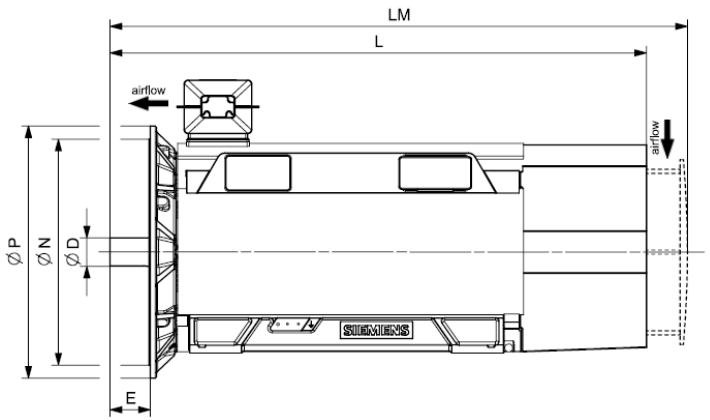


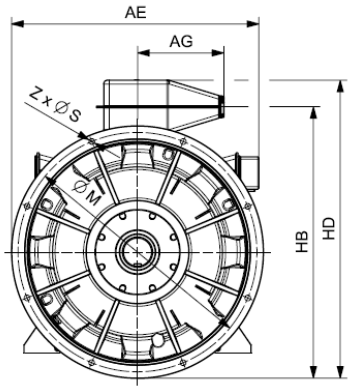




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-6AR30-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AR30-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-6AR30-0C.0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-6AR30-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-6AR30-0C.0	10300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
8-pole																			
1NA1 454-8AR30-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-8AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR30-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR30-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR30-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR30-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-8AR30-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-8AR30-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR30-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR30-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR30-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR30-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-8AR30-0C.0	9000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-8AR30-0C.0	9600	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-8AR30-0C.0	10200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

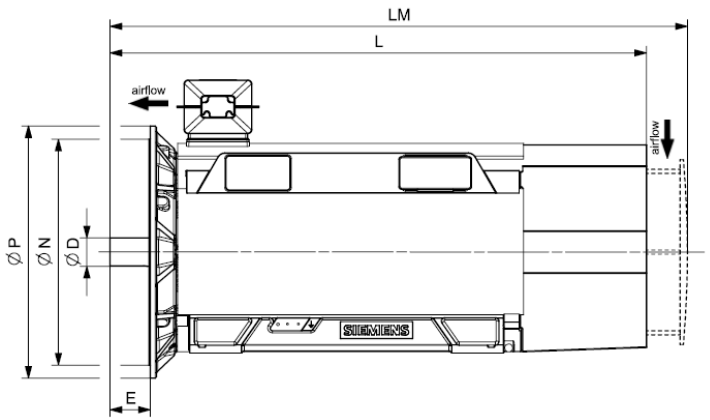
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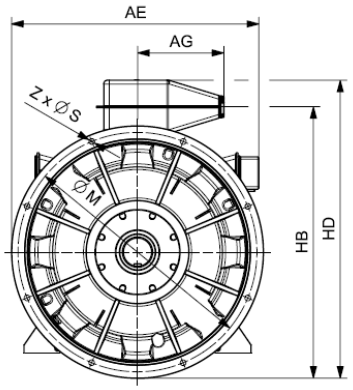




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4AR34-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-4AR34-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR34-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR34-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR34-0AA0	5500	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR34-0CA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-4AR34-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-4AR34-0CA0	6600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR34-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR34-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR34-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR34-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 562-4AR34-0CA0	8500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 562-4AR34-0AA0	8200	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR34-0AA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR34-0CA0	8900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR34-0AA0	9100	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR34-0CA0	9400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR34-0AA0	9600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR34-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 454-6AR34-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

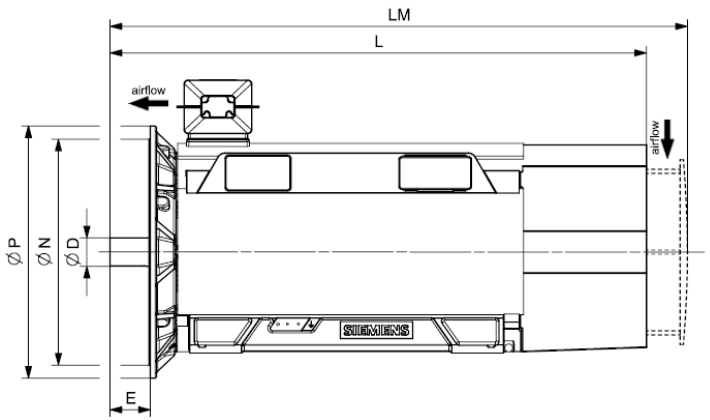
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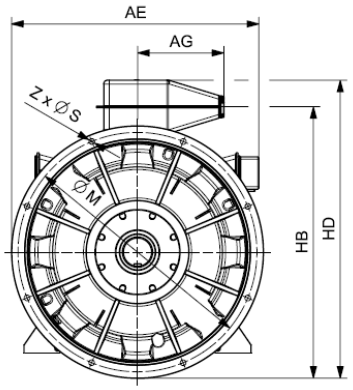




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6AR34-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR34-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR34-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR34-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR34-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 502-6AR34-0AA0	6200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 502-6AR34-0CA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR34-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR34-0CA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR34-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR34-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR34-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR34-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-6AR34-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-6AR34-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-6AR34-0CA0	10500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 454-8AR34-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-8AR34-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR34-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR34-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR34-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR34-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8AR34-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-8AR34-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR34-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR34-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR34-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR34-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-8AR34-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-8AR34-0CA0	9800	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-8AR34-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - Square-law torque drive																							
800	710	**1NA1 402-2WC00-0A.0**	2978	96.6	0.93	750	2565	3.20	10.0	3600	595	2683	96.7	0.92	405	2387	96.7	0.89	200	1852	96.3	0.83
800	710	**1NA1 402-2WC00-0C.0**	2979	96.5	0.93	750	2564	3.20	12.3	3600	595	2683	96.5	0.92	405	2387	96.5	0.88	195	1852	96.0	0.82
850	750	**1NA1 404-2WC00-0A.0**	2978	96.6	0.94	780	2726	3.40	11.0	3600	635	2683	96.7	0.93	430	2387	96.7	0.90	210	1852	96.4	0.85
830	730	**1NA1 404-2WC00-0C.0**	2979	96.5	0.94	770	2661	3.40	13.5	3600	615	2684	96.5	0.93	420	2388	96.5	0.90	205	1852	96.0	0.84
900	790	**1NA1 406-2WC00-0A.0**	2981	96.8	0.94	830	2883	3.70	12.2	3600	670	2685	96.9	0.93	455	2389	96.9	0.89	220	1853	96.4	0.83
880	780	**1NA1 406-2WC00-0C.0**	2982	96.8	0.94	810	2818	3.70	14.9	3600	655	2686	96.8	0.92	445	2389	96.7	0.89	215	1853	96.1	0.82
920	810	**1NA1 408-2WC00-0A.0**	2982	96.9	0.95	840	2946	4.60	13.0	3600	685	2686	96.8	0.93	465	2390	96.7	0.89	225	1853	96.1	0.82
900	790	**1NA1 408-2WC00-0C.0**	2984	96.8	0.94	830	2880	4.50	15.9	3600	670	2687	96.7	0.92	455	2391	96.5	0.88	220	1854	95.8	0.81
1100	970	**1NA1 454-2WC00-0A.0**	2982	97.0	0.94	1000	3523	2.50	14.1	3600	820	2686	97.1	0.93	555	2389	97.3	0.91	270	1853	97.1	0.88
1050	930	**1NA1 454-2WC00-0C.0**	2983	96.9	0.94	960	3361	2.60	19.1	3600	780	2687	97.0	0.93	530	2390	97.1	0.91	260	1854	96.9	0.88
1200	1060	**1NA1 456-2WC00-0A.0**	2985	97.3	0.94	1100	3839	3.20	15.6	3600	890	2688	97.3	0.93	605	2391	97.4	0.91	295	1854	97.2	0.86
1150	1010	**1NA1 456-2WC00-0C.0**	2986	97.2	0.94	1060	3678	3.20	21.0	3600	855	2689	97.2	0.93	580	2392	97.2	0.91	285	1855	96.8	0.86
1230	1080	**1NA1 458-2WC00-0A.0**	2985	97.3	0.95	1120	3935	3.20	16.8	3600	915	2688	97.3	0.93	620	2391	97.4	0.91	305	1855	97.1	0.87
1200	1060	**1NA1 458-2WC00-0C.0**	2986	97.2	0.95	1080	3838	3.20	22.6	3600	890	2689	97.2	0.94	605	2392	97.2	0.91	295	1855	96.8	0.86
1600	1410	**1NA1 504-2WC00-0AJ0**	2985	97.2	0.90	1540	5119	3.00	22.6	3600	1190	2689	97.2	0.90	810	2391	97.2	0.88	395	1855	96.6	0.83
1600	1410	**1NA1 504-2WC00-0C.0**	2986	97.1	0.91	1520	5117	3.00	30.1	3000	1190	2689	97.0	0.90	810	2392	97.0	0.88	395	1855	96.2	0.83
1820	1600	**1NA1 506-2WC00-0AJ0**	2984	97.2	0.91	1720	5824	3.00	25.7	3600	1355	2688	97.2	0.91	920	2391	97.2	0.89	450	1854	96.7	0.86
1850	1630	**1NA1 506-2WC00-0C.0**	2985	97.1	0.91	1760	5918	2.80	33.7	3000	1375	2688	97.1	0.91	935	2391	97.1	0.90	455	1854	96.4	0.86
2200	1940	**1NA1 508-2WC00-0AJ0**	2986	97.4	0.91	2100	7036	3.40	28.1	3600	1635	2689	97.4	0.91	1110	2392	97.3	0.89	545	1855	96.6	0.84
2200	1940	**1NA1 508-2WC00-0C.0**	2987	97.4	0.91	2100	7033	3.20	36.7	3000	1635	2690	97.2	0.91	1110	2393	97.1	0.89	540	1855	96.3	0.83
2350	2070	**1NA1 566-2WC00-0C.0**	2988	97.2	0.91	2200	7510	2.50	55.3	3000	1750	2691	97.2	0.91	1185	2393	97.1	0.91	580	1856	96.5	0.87
2600	2290	**1NA1 568-2WC00-0C.0**	2990	97.4	0.92	2450	8304	3.10	60.0	3000	1935	2693	97.2	0.91	1310	2394	97.1	0.89	640	1857	96.3	0.84
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - Square-law torque drive																							
280	250	**1NA1 311-4WC00-0AG0**	1486	95.4	0.87	280	1799	3.60	3.6	3300	210	1339	95.2	0.84	140	1192	94.9	0.78	70	925	93.3	0.67
370	330	**1NA1 313-4WC00-0AG0**	1486	95.7	0.88	365	2378	3.90	4.5	3300	275	1339	95.3	0.84	185	1192	95.0	0.78	90	925	93.2	0.67
430	380	**1NA1 315-4WC00-0AG0**	1487	95.8	0.88	425	2761	4.10	5.1	3300	320	1340	95.3	0.84	215	1192	94.9	0.78	105	925	93.0	0.66
500	440	**1NA1 317-4WC00-0AG0**	1488	95.9	0.87	500	3209	4.60	5.8	3300	370	1341	95.2	0.82	250	1193	94.8	0.76	125	926	92.5	0.63
600	530	**1NA1 351-4WC00-0AG0**	1489	96.1	0.89	580	3848	3.40	7.9	2400	445	1341	95.6	0.86	305	1193	95.4	0.82	150	926	93.8	0.72
640	570	**1NA1 353-4WC00-0AG0**	1489	96.2	0.90	620	4104	3.60	8.6	2400	475	1342	95.7	0.86	325	1194	95.4	0.82	160	926	93.7	0.72
700	620	**1NA1 355-4WC00-0AG0**	1489	96.2	0.90	680	4489	3.70	9.5	2400	520	1342	95.7	0.87	355	1194	95.4	0.82	175	926	93.6	0.72
820	720	**1NA1 357-4WC00-0AG0**	1489	96.3	0.91	790	5259	3.60	10.8	2400	610	1341	95.8	0.88	415	1194	95.5	0.84	200	926	93.9	0.74
970	860	**1NA1 404-4WC00-0A.0**	1489	96.4	0.90	940	6221	2.80	15.6	2600	720	1342	96.2	0.88	490	1194	96.1	0.85	240	926	95.1	0.77
960	850	**1NA1 404-4WC00-0C.0**	1487	96.4	0.89	940	6165	2.50	19.8	2600	715	1340	96.3	0.88	485	1193	96.4	0.86	235	926	95.7	0.78
1070	940	**1NA1 406-4WC00-0A.0**	1490	96.5	0.90	1040	6858	3.00	17.4	2600	795	1342	96.3	0.89	540	1194	96.2	0.85	265	926	95.1	0.77

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SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																						
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive										
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1060	930	**1NA1 406-4WC00-0C.0**	1488	96.5	0.90	1020	6803	2.70	22.0	2600	790	1341	96.4	0.88	535	1193	96.5	0.86	260	926	95.7	0.78
1200	1060	**1NA1 408-4WC00-0A.0**	1490	96.7	0.91	1140	7691	3.20	19.7	2600	895	1342	96.3	0.89	605	1194	96.2	0.85	295	926	95.0	0.77
1170	1030	**1NA1 408-4WC00-0C.0**	1489	96.7	0.90	1120	7503	2.80	24.9	2600	870	1342	96.5	0.89	590	1194	96.5	0.86	290	926	95.6	0.77
1350	1190	**1NA1 454-4WC00-0A.0**	1489	96.8	0.90	1300	8658	2.50	26.4	2400	1005	1341	96.7	0.89	680	1194	96.7	0.86	335	926	96.2	0.81
1350	1190	**1NA1 454-4WC00-0C.0**	1489	96.7	0.89	1320	8658	2.20	33.9	2400	1005	1341	96.7	0.88	680	1194	96.8	0.86	335	926	96.3	0.80
1500	1320	**1NA1 456-4WC00-0A.0**	1489	96.9	0.91	1420	9620	2.60	30.4	2400	1115	1342	96.8	0.90	760	1194	96.8	0.87	370	926	96.2	0.81
1500	1320	**1NA1 456-4WC00-0C.0**	1489	96.9	0.90	1440	9620	2.30	39.0	2400	1115	1342	96.9	0.89	760	1194	96.8	0.86	370	926	96.3	0.81
1620	1430	**1NA1 458-4WC00-0C.0**	1490	97.1	0.90	1560	10382	2.50	42.8	2400	1205	1343	97.0	0.88	820	1195	97.0	0.86	400	927	96.4	0.79
1650	1450	**1NA1 458-4WC00-0A.0**	1490	97.0	0.91	1560	10575	2.70	33.5	2400	1230	1342	96.9	0.89	835	1194	96.9	0.86	405	926	96.3	0.80
1710	1510	**1NA1 504-4WC00-0A.0**	1489	96.6	0.88	1680	10967	2.40	32.5	2200	1275	1342	96.6	0.87	865	1194	96.6	0.85	420	926	95.9	0.79
1700	1500	**1NA1 504-4WC00-0C.0**	1489	96.6	0.85	1740	10902	1.90	42.4	2200	1265	1342	96.7	0.86	860	1194	96.8	0.85	420	926	96.2	0.79
1815	1600	**1NA1 506-4WC00-0A.0**	1489	96.7	0.89	1760	11640	2.60	37.1	2200	1350	1342	96.6	0.89	915	1194	96.6	0.86	445	926	95.8	0.80
1800	1590	**1NA1 506-4WC00-0C.0**	1490	96.7	0.87	1800	11536	2.00	48.0	2200	1340	1342	96.7	0.88	910	1194	96.8	0.86	445	926	96.1	0.81
2160	1910	**1NA1 508-4WC00-0A.0**	1490	96.9	0.89	2100	13843	2.80	42.4	2200	1610	1343	96.8	0.88	1090	1195	96.7	0.85	535	927	95.7	0.78
2160	1900	**1NA1 508-4WC00-0C.0**	1491	97.0	0.87	2150	13834	2.20	54.6	2200	1610	1343	96.9	0.87	1090	1195	96.9	0.85	535	927	96.1	0.79
2350	2070	**1NA1 564-4WC00-0A.0**	1491	97.1	0.88	2300	15051	2.20	59.9	2000	1750	1343	97.0	0.88	1185	1195	97.0	0.86	580	927	96.4	0.82
2320	2050	**1NA1 564-4WC00-0C.0**	1491	97.1	0.87	2300	14859	1.90	79.4	2000	1725	1343	97.1	0.88	1170	1195	97.1	0.86	575	927	96.6	0.82
2415	2130	**1NA1 566-4WC00-0A.0**	1491	97.1	0.89	2350	15467	2.20	66.7	2000	1795	1343	97.0	0.89	1220	1195	97.0	0.87	595	927	96.5	0.83
2400	2120	**1NA1 566-4WC00-0C.0**	1491	97.1	0.88	2350	15371	2.00	88.0	2000	1785	1343	97.1	0.89	1215	1195	97.1	0.87	595	927	96.6	0.83
2660	2340	**1NA1 568-4WC00-0A.0**	1492	97.2	0.90	2550	17025	2.60	73.4	2000	1980	1344	97.1	0.89	1345	1195	97.1	0.87	655	927	96.4	0.81
2655	2340	**1NA1 568-4WC00-0C.0**	1492	97.3	0.89	2550	16993	2.20	96.7	2000	1975	1344	97.2	0.89	1340	1195	97.2	0.87	655	927	96.6	0.82
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - Square-law torque drive																						
240	210	**1NA1 311-6WC00-0AG0**	992	95.3	0.84	250	2310	2.70	5.8	3100	180	894	94.9	0.80	120	795	94.6	0.75	60	617	92.7	0.64
300	270	**1NA1 313-6WC00-0AG0**	993	95.5	0.84	310	2885	3.00	7.0	3100	225	894	94.9	0.79	150	796	94.5	0.74	75	617	92.3	0.62
360	320	**1NA1 315-6WC00-0AG0**	993	95.6	0.84	375	3462	3.10	8.1	3100	270	895	94.9	0.79	180	796	94.5	0.73	90	617	92.1	0.60
410	360	**1NA1 317-6WC00-0AG0**	992	95.6	0.86	420	3947	2.80	8.8	3100	305	894	95.1	0.81	205	796	94.8	0.76	100	617	92.9	0.65
550	490	**1NA1 351-6WC00-0AG0**	992	95.8	0.86	560	5294	2.30	14.0	2000	410	894	95.7	0.84	280	796	95.6	0.81	135	617	94.5	0.73
620	550	**1NA1 353-6WC00-0AG0**	992	95.8	0.86	630	5968	2.30	15.4	2000	460	894	95.8	0.84	315	796	95.7	0.82	155	617	94.5	0.73
700	620	**1NA1 355-6WC00-0AG0**	992	95.9	0.87	700	6738	2.40	17.2	2000	520	894	95.8	0.85	355	796	95.8	0.82	175	617	94.6	0.73
790	700	**1NA1 357-6WC00-0AG0**	993	96.0	0.87	790	7597	2.50	19.3	2000	590	895	95.9	0.84	400	796	95.7	0.81	195	617	94.4	0.72
920	810	**1NA1 404-6WC00-0AG0**	992	95.9	0.88	910	8856	2.30	25.8	2400	685	894	95.8	0.87	465	796	95.7	0.85	225	617	94.5	0.79
910	800	**1NA1 404-6WC00-0CG0**	991	95.8	0.87	910	8769	2.00	33.2	2400	680	893	95.9	0.86	460	795	96.0	0.85	225	617	95.4	0.80
1050	930	**1NA1 406-6WC00-0AG0**	992	96.0	0.89	1020	10108	2.40	29.6	2400	780	894	95.9	0.88	530	796	95.8	0.86	260	617	94.6	0.80
1020	900	**1NA1 406-6WC00-0CG0**	991	96.0	0.88	1020	9829	2.10	38.0	2400	760	893	96.1	0.87	515	795	96.1	0.86	250	617	95.4	0.80
1150	1010	**1NA1 408-6WC00-0AG0**	992	96.1	0.89	1120	11070	2.80	33.5	2400	855	894	95.9	0.88	580	796	95.7	0.85	285	617	94.3	0.77

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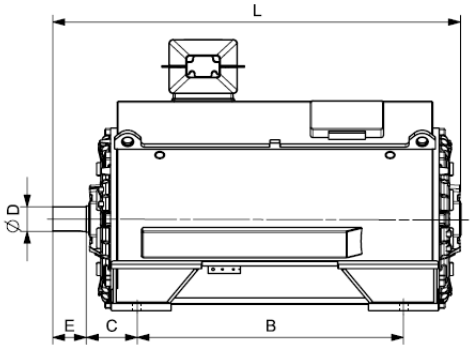
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																						
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive										
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1150	1010	**1NA1 408-6WC00-0CG0**	992	96.2	0.88	1140	11070	2.30	41.9	2400	855	894	96.2	0.87	580	796	96.2	0.85	285	617	95.3	0.78
1200	1060	**1NA1 454-6WC00-0A.0**	991	96.1	0.86	1220	11563	2.20	39.5	2200	895	893	96.0	0.85	605	795	96.1	0.84	295	617	95.3	0.77
1200	1060	**1NA1 454-6WC00-0C.0**	990	96.1	0.85	1220	11575	1.90	49.1	2200	895	892	96.1	0.85	605	794	96.3	0.84	295	617	95.8	0.79
1360	1200	**1NA1 456-6WC00-0A.0**	992	96.4	0.87	1360	13092	2.60	45.8	2200	1015	894	96.1	0.85	690	796	96.0	0.82	335	617	94.9	0.73
1360	1200	**1NA1 456-6WC00-0C.0**	992	96.4	0.86	1380	13092	2.20	56.8	2200	1010	894	96.3	0.85	690	795	96.4	0.83	335	617	95.6	0.76
1550	1370	**1NA1 458-6WC00-0C.0**	992	96.6	0.86	1560	14921	2.20	67.0	2200	1155	894	96.5	0.86	785	795	96.6	0.84	385	617	95.9	0.77
1550	1370	**1NA1 458-6WC00-0A.0**	992	96.6	0.87	1540	14921	2.50	54.3	2200	1155	894	96.3	0.86	785	796	96.3	0.84	385	617	95.3	0.75
1680	1480	**1NA1 502-6WC00-0C.0**	990	96.3	0.83	1760	16205	1.40	67.5	2100	1250	893	96.7	0.86	850	795	96.9	0.86	415	617	96.6	0.83
1600	1410	**1NA1 502-6WC00-0A.0**	988	96.0	0.81	1720	15464	1.50	52.8	2100	1190	891	96.3	0.83	810	793	96.5	0.84	395	616	96.1	0.81
1670	1470	**1NA1 504-6WC00-0A.0**	988	96.0	0.83	1760	16141	1.60	59.7	2100	1245	891	96.3	0.85	845	793	96.5	0.86	415	616	96.1	0.82
1760	1550	**1NA1 504-6WC00-0C.0**	990	96.3	0.84	1820	16977	1.40	76.1	2100	1310	893	96.6	0.87	890	795	96.8	0.87	435	617	96.5	0.84
1900	1680	**1NA1 506-6WC00-0A.0**	989	96.3	0.84	1960	18345	1.70	67.3	2100	1415	892	96.5	0.86	960	794	96.6	0.86	470	616	95.9	0.82
2020	1780	**1NA1 506-6WC00-0C.0**	991	96.5	0.85	2050	19465	1.50	85.6	2100	1505	893	96.8	0.87	1020	795	96.9	0.87	500	617	96.4	0.84
2205	1940	**1NA1 508-6WC00-0A.0**	990	96.5	0.86	2200	21269	1.90	76.4	2100	1640	893	96.6	0.86	1115	795	96.6	0.86	545	617	95.8	0.80
2350	2070	**1NA1 508-6WC00-0C.0**	992	96.7	0.86	2350	22622	1.60	96.7	2100	1750	894	96.9	0.87	1190	796	97.0	0.87	580	617	96.4	0.82
2500	2200	**1NA1 564-6WC00-0C.0**	992	97.1	0.87	2500	24066	1.90	136.7	2000	1860	894	97.1	0.88	1265	796	97.2	0.88	620	617	96.5	0.83
2850	2510	**1NA1 566-6WC00-0C.0**	994	97.3	0.87	2800	27380	2.20	151.9	2000	2120	895	97.2	0.87	1440	797	97.2	0.86	705	618	96.2	0.79
3005	2650	**1NA1 568-6WC00-0C.0**	993	97.3	0.88	2950	28898	2.00	167.0	2000	2235	895	97.2	0.88	1515	796	97.2	0.88	740	618	96.4	0.82
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - Square-law torque drive																						
750	660	**1NA1 404-8WC00-0AG0**	740	95.0	0.84	790	9678	1.90	26.7	2400	560	667	95.0	0.83	380	594	95.1	0.81	185	461	94.0	0.74
710	630	**1NA1 404-8WC00-0CG0**	738	94.9	0.82	760	9187	1.70	32.8	2400	530	666	94.9	0.81	360	593	95.1	0.79	175	461	94.3	0.73
860	760	**1NA1 406-8WC00-0AG0**	742	95.4	0.84	900	11068	2.40	30.6	2400	640	669	95.1	0.82	435	595	94.9	0.77	215	462	93.3	0.67
850	750	**1NA1 406-8WC00-0CG0**	740	95.3	0.82	910	10969	2.00	37.6	2400	635	668	95.2	0.81	430	595	95.2	0.77	210	462	94.1	0.69
900	790	**1NA1 408-8WC00-0AG0**	741	95.4	0.85	930	11598	2.20	33.8	2400	670	668	95.2	0.84	455	595	95.1	0.81	225	462	93.8	0.72
860	760	**1NA1 408-8WC00-0CG0**	740	95.3	0.84	900	11098	1.90	41.5	2400	640	667	95.2	0.82	435	594	95.3	0.80	215	462	94.3	0.72
950	840	**1NA1 454-8WC00-0A.0**	740	95.3	0.80	1040	12259	1.80	40.0	2200	710	668	95.3	0.80	480	595	95.3	0.79	235	462	94.4	0.71
920	810	**1NA1 454-8WC00-0C.0**	739	95.2	0.81	1000	11888	1.90	48.8	2200	685	666	95.2	0.80	465	594	95.4	0.79	230	461	94.6	0.72
1060	940	**1NA1 456-8WC00-0A.0**	741	95.5	0.81	1140	13660	1.90	46.4	2200	790	669	95.4	0.81	535	595	95.3	0.79	260	462	94.2	0.70
1050	930	**1NA1 456-8WC00-0C.0**	740	95.4	0.81	1140	13550	2.00	56.4	2200	780	667	95.3	0.81	530	594	95.4	0.79	260	462	94.5	0.71
1300	1150	**1NA1 458-8WC00-0A.0**	742	95.9	0.81	1400	16731	2.10	54.9	2200	970	669	95.7	0.80	660	596	95.6	0.77	320	462	94.3	0.68
1270	1120	**1NA1 458-8WC00-0C.0**	741	95.9	0.81	1360	16367	2.20	66.6	2200	945	668	95.7	0.80	645	595	95.7	0.78	315	462	94.7	0.69
1400	1240	**1NA1 504-8WC00-0C.0**	741	95.7	0.84	1460	18042	1.60	75.7	2100	1045	669	95.8	0.84	710	595	95.9	0.82	345	462	95.2	0.76
1350	1190	**1NA1 504-8WC00-0A.0**	740	95.5	0.79	1500	17421	1.40	58.9	2100	1005	668	95.7	0.80	685	595	96.0	0.79	335	462	95.4	0.74
1600	1410	**1NA1 506-8WC00-0A.0**	742	95.9	0.80	1740	20591	1.70	66.4	2100	1190	669	95.9	0.80	810	596	96.0	0.77	395	462	95.1	0.70
1610	1420	**1NA1 506-8WC00-0C.0**	743	96.0	0.84	1680	20692	1.90	85.2	2100	1200	670	95.9	0.83	815	596	95.9	0.80	400	463	94.7	0.71

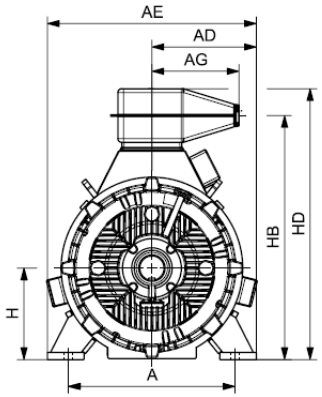
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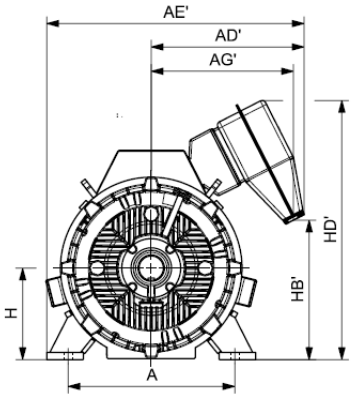
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque

Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1800	1590	**1NA1 508-8WC00-0C.0**	743	96.1	0.84	1860	23134	1.90	96.4	2100	1340	670	96.0	0.83	910	596	95.9	0.80	445	463	94.7	0.72
1800	1590	**1NA1 508-8WC00-0A.0**	742	96.0	0.80	1960	23165	1.60	75.3	2100	1340	669	96.0	0.80	910	596	96.1	0.78	445	462	95.0	0.71
1800	1590	**1NA1 562-8WC00-0C.0**	742	96.3	0.83	1880	23165	1.50	119.7	2000	1340	669	96.4	0.85	910	595	96.5	0.85	445	462	95.8	0.79
2080	1840	**1NA1 564-8WC00-0C.0**	741	96.2	0.82	2200	26805	1.40	136.4	2000	1550	668	96.5	0.85	1055	595	96.6	0.85	515	462	96.1	0.81
2235	1970	**1NA1 566-8WC00-0C.0**	744	96.8	0.84	2300	28686	1.80	151.7	2000	1660	670	96.8	0.85	1130	596	96.7	0.83	550	463	95.6	0.75
2500	2210	**1NA1 568-8WC00-0C.0**	743	96.6	0.84	2600	32131	1.60	167.0	2000	1860	670	96.7	0.85	1265	596	96.7	0.85	620	463	95.8	0.79

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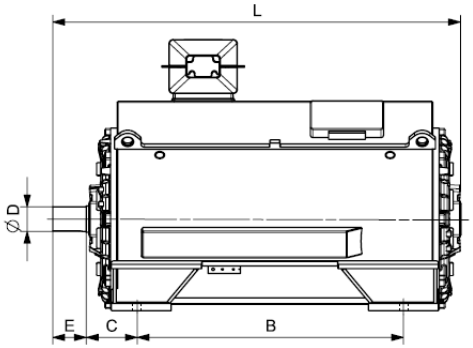


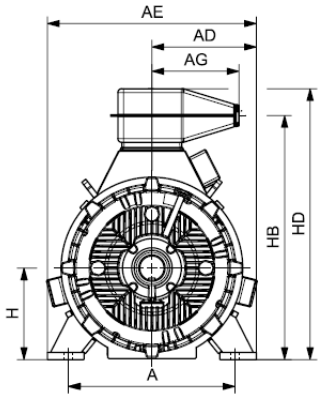


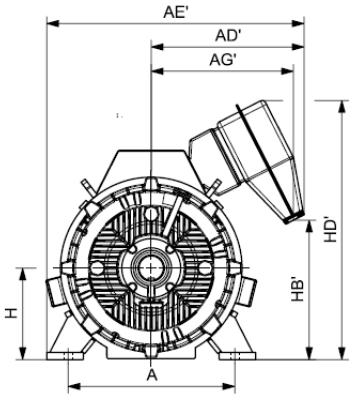


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WC00-0A.0	2600	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 402-2WC00-0C.0	2700	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC00-0A.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC00-0C.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC00-0A.0	2900	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC00-0C.0	3000	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC00-0A.0	3000	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC00-0C.0	3100	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 454-2WC00-0A.0	3700	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 454-2WC00-0C.0	3800	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 456-2WC00-0A.0	3900	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 456-2WC00-0C.0	4100	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 458-2WC00-0A.0	4100	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 458-2WC00-0C.0	4300	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 504-2WC00-0AJ0	4900	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 504-2WC00-0C.0	5100	950	371	870	936	1435	371	750	1320	280	110	165	500	1448	873	1613	1494	2049	o.r.
1NA1 506-2WC00-0AJ0	5300	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 506-2WC00-0C.0	5500	950	371	870	936	1435	371	750	1320	280	110	165	500	1448	873	1613	1494	2049	o.r.
1NA1 508-2WC00-0AJ0	5600	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 508-2WC00-0C.0	5800	950	371	870	936	1435	371	750	1320	280	110	165	500	1448	873	1613	1494	2049	o.r.
1NA1 566-2WC00-0C.0	7400	1060	380	903	1015	1538	371	782	1400	290	120	165	560	1584	998	1749	1619	2193	o.r.
1NA1 568-2WC00-0C.0	7800	1060	380	903	1015	1538	371	782	1400	290	120	165	560	1584	998	1749	1619	2193	o.r.
4-pole																			

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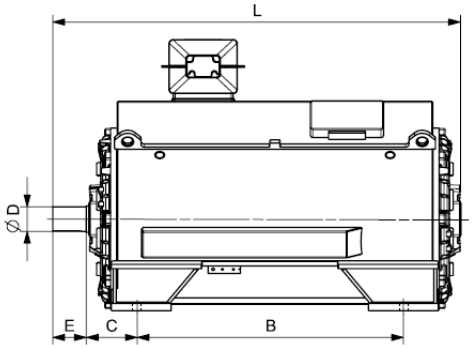


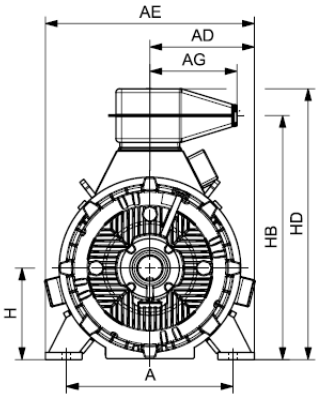


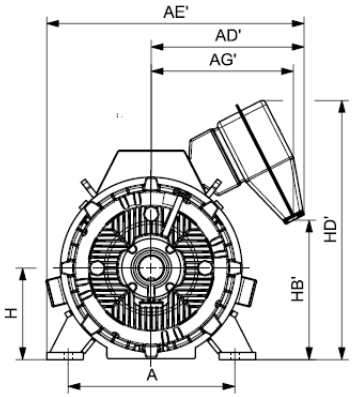


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 311-4WC00-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-4WC00-0AG0	1400	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-4WC00-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 317-4WC00-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-4WC00-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-4WC00-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-4WC00-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-4WC00-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-4WC00-0A.0	2800	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-4WC00-0C.0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC00-0A.0	3000	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC00-0C.0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC00-0A.0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC00-0C.0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-4WC00-0A.0	3800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-4WC00-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC00-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC00-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC00-0C.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC00-0A.0	4400	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-4WC00-0A.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-4WC00-0C.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC00-0A.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC00-0C.0	5800	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.

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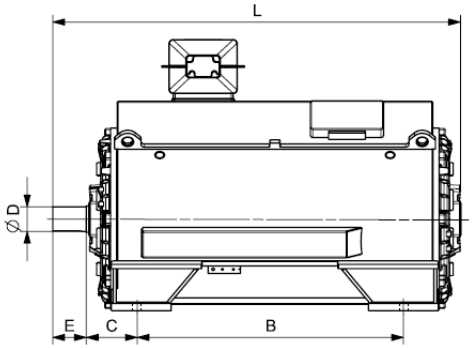


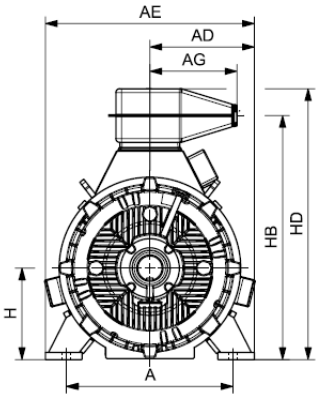


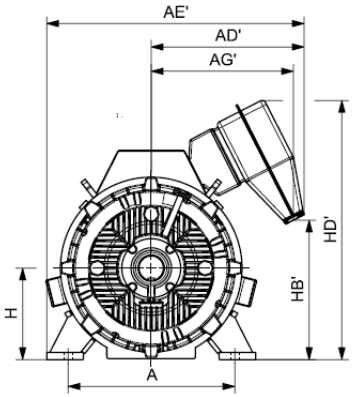


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4WC00-0A.0	6000	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-4WC00-0C.0	6300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-4WC00-0A.0	7000	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 564-4WC00-0C.0	7300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC00-0A.0	7400	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC00-0C.0	7800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC00-0A.0	7900	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC00-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
6-pole																			
1NA1 311-6WC00-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-6WC00-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-6WC00-0AG0	1600	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 317-6WC00-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-6WC00-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-6WC00-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-6WC00-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-6WC00-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-6WC00-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-6WC00-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC00-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC00-0CG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC00-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC00-0CG0	3600	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-6WC00-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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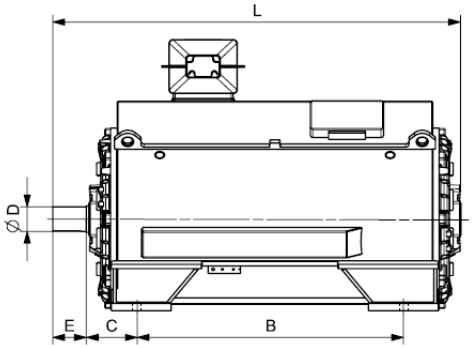


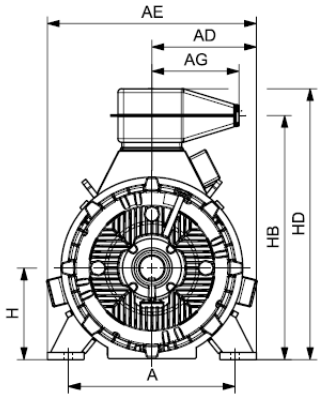


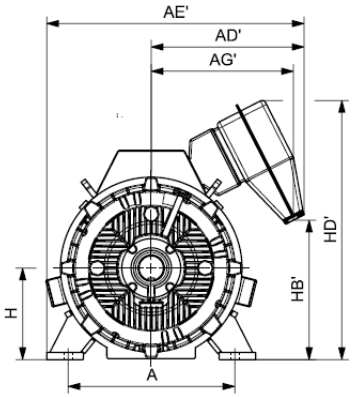


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 454-6WC00-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC00-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC00-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC00-0C.0	4800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC00-0A.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 502-6WC00-0C.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 502-6WC00-0A.0	4900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC00-0A.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC00-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC00-0A.0	5700	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC00-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC00-0A.0	6100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC00-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-6WC00-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-6WC00-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-6WC00-0C.0	8900	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
8-pole																			
1NA1 404-8WC00-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-8WC00-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC00-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC00-0CG0	3300	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC00-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC00-0CG0	3500	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-8WC00-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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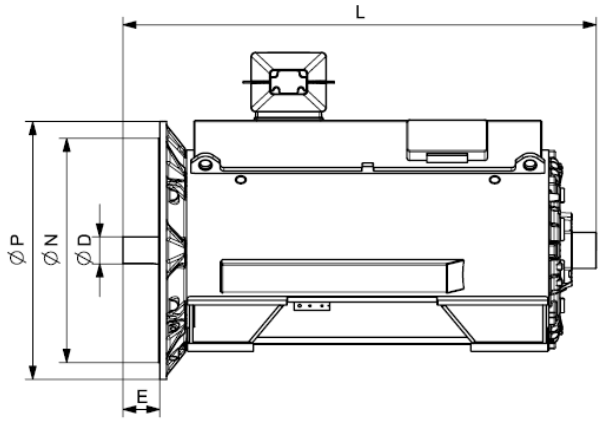


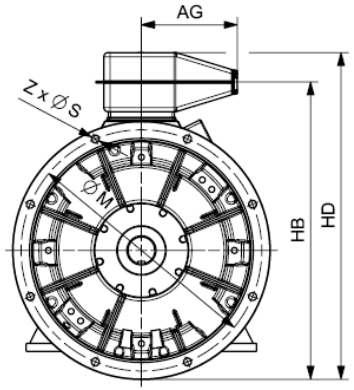




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 454-8WC00-0C.0	3800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC00-0A.0	4000	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC00-0C.0	4200	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC00-0A.0	4500	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC00-0C.0	4700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-8WC00-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-8WC00-0A.0	5200	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC00-0A.0	5600	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC00-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC00-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC00-0A.0	6100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 562-8WC00-0C.0	7100	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 564-8WC00-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-8WC00-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-8WC00-0C.0	8800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.

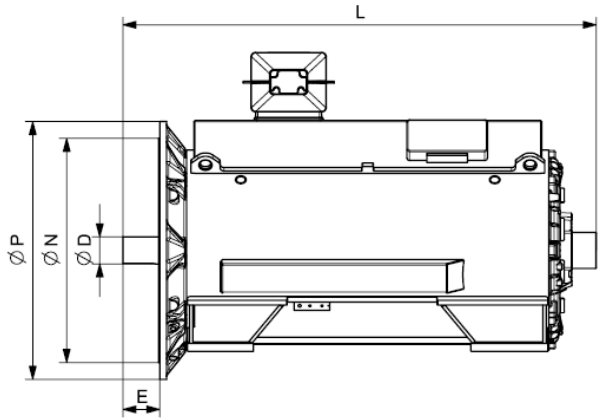
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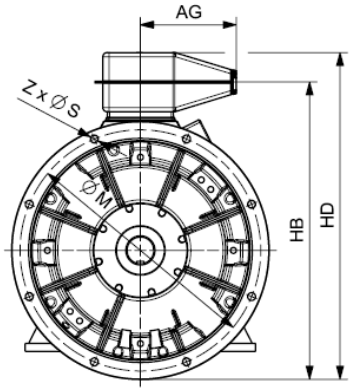




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 311-4WC08-0AG0	1300	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-4WC08-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-4WC08-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-4WC08-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-4WC08-0AG0	2100	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-4WC08-0AG0	2200	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-4WC08-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-4WC08-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-4WC08-0AG0	2900	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-4WC08-0CG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC08-0AG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC08-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC08-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC08-0CG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-4WC08-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WC08-0CG0	4100	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC08-0AG0	4300	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC08-0CG0	4500	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC08-0CG0	4800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC08-0AG0	4600	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WC08-0AG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WC08-0CG0	5500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16

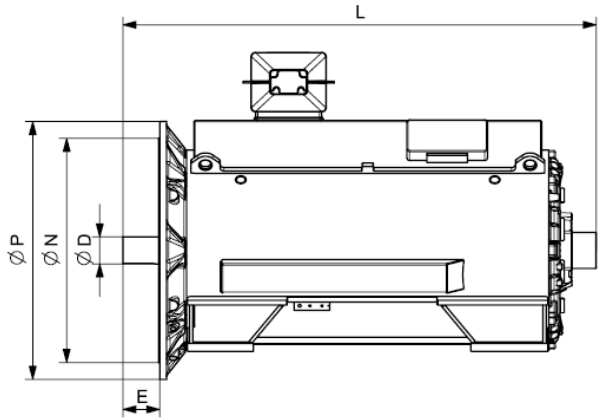
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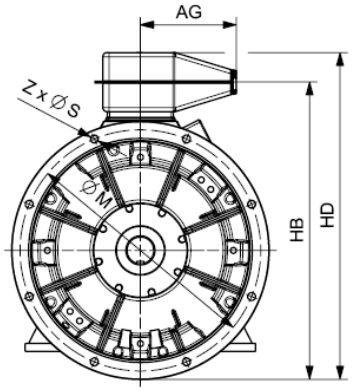




Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NA1 506-4WC08-0AG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WC08-0CG0	5900	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC08-0AG0	6200	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC08-0CG0	6500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-4WC08-0AG0	7200	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WC08-0CG0	7500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC08-0AG0	7700	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC08-0CG0	8000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC08-0AG0	8100	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC08-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
6-pole														
1NA1 311-6WC08-0AG0	1400	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-6WC08-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-6WC08-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-6WC08-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-6WC08-0AG0	2000	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-6WC08-0AG0	2100	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-6WC08-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-6WC08-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-6WC08-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-6WC08-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC08-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC08-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

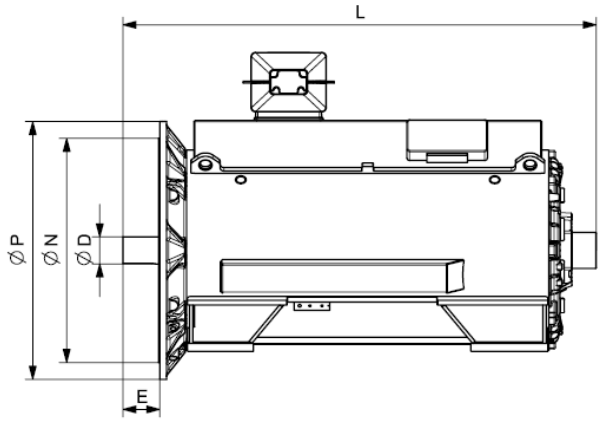
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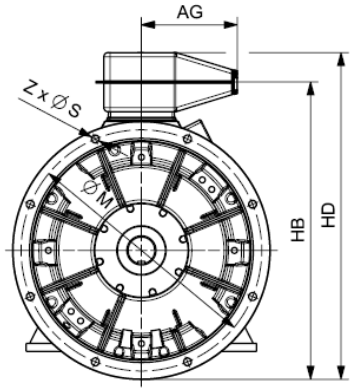




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 408-6WC08-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-6WC08-0CG0	3700	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-6WC08-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WC08-0CG0	4100	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC08-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC08-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC08-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC08-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WC08-0CG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WC08-0AG0	5100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC08-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC08-0CG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC08-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC08-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC08-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC08-0CG0	6600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WC08-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WC08-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WC08-0CG0	9100	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WC08-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-8WC08-0CG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-8WC08-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 406-8WC08-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC08-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC08-0CG0	3600	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-8WC08-0AG0	3800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WC08-0CG0	4000	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC08-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC08-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC08-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC08-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-8WC08-0CG0	5600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WC08-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC08-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC08-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC08-0CG0	6600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC08-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 562-8WC08-0CG0	7300	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 564-8WC08-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WC08-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WC08-0CG0	9000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n^2	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive											
												P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)	Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit													
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - Square-law torque drive																							
930	820	**1NA1 402-2WC10-0A.0**	3579	96.7	0.93	870	2481	3.20	10.0	3600	705	3284	96.9	0.91	470	2868	96.6	0.88	235	2272	96.1	0.81
930	820	**1NA1 402-2WC10-0C.0**	3580	96.6	0.93	870	2481	3.10	12.3	3600	705	3284	96.8	0.91	470	2868	96.4	0.88	235	2272	95.8	0.81
980	860	**1NA1 404-2WC10-0A.0**	3579	96.7	0.94	900	2615	3.60	11.0	3600	740	3284	96.9	0.93	495	2868	96.6	0.90	245	2272	96.1	0.84
980	860	**1NA1 404-2WC10-0C.0**	3580	96.6	0.94	900	2614	3.50	13.5	3600	745	3284	96.8	0.92	495	2868	96.4	0.89	245	2273	95.7	0.83
1000	880	**1NA1 406-2WC10-0A.0**	3581	96.7	0.95	910	2667	3.90	12.2	3600	755	3285	96.9	0.93	505	2869	96.6	0.90	250	2273	95.9	0.84
1000	880	**1NA1 406-2WC10-0C.0**	3582	96.7	0.94	920	2666	3.80	14.9	3600	760	3286	96.9	0.93	505	2869	96.4	0.89	250	2273	95.6	0.83
1100	970	**1NA1 408-2WC10-0A.0**	3583	97.0	0.94	1000	2932	4.40	13.0	3600	835	3287	97.1	0.92	555	2870	96.7	0.88	275	2274	95.9	0.80
1060	930	**1NA1 408-2WC10-0C.0**	3585	96.9	0.94	970	2824	4.40	15.9	3600	805	3288	97.0	0.91	535	2871	96.4	0.87	265	2274	95.5	0.79
1200	1060	**1NA1 454-2WC10-0AJ0**	3585	97.2	0.94	1100	3196	3.00	13.6	3600	910	3288	97.4	0.93	605	2871	97.2	0.90	300	2274	96.8	0.85
1200	1060	**1NA1 454-2WC10-0C.0**	3585	97.0	0.94	1100	3196	2.90	19.4	3600	910	3288	97.2	0.93	605	2871	96.9	0.90	300	2275	96.4	0.85
1280	1130	**1NA1 456-2WC10-0AJ0**	3582	97.2	0.94	1180	3412	2.70	15.1	3600	970	3286	97.4	0.94	645	2870	97.3	0.92	320	2274	97.0	0.89
1280	1130	**1NA1 456-2WC10-0C.0**	3583	97.0	0.94	1180	3411	2.60	21.3	3600	970	3287	97.2	0.94	645	2870	97.0	0.92	320	2274	96.7	0.89
1510	1330	**1NA1 458-2WC10-0AJ0**	3586	97.5	0.94	1380	4021	3.60	16.4	3600	1145	3289	97.7	0.93	760	2872	97.4	0.90	380	2275	96.9	0.85
1500	1320	**1NA1 458-2WC10-0C.0**	3587	97.4	0.95	1360	3993	3.40	23.0	3600	1135	3290	97.5	0.93	760	2872	97.1	0.90	380	2275	96.5	0.85
1840	1620	**1NA1 504-2WC10-0CJ0**	3583	96.9	0.90	1760	4904	2.50	29.2	3600	1395	3287	97.2	0.91	930	2870	96.8	0.89	465	2274	96.0	0.86
2240	1970	**1NA1 506-2WC10-0CJ0**	3586	97.2	0.91	2100	5965	2.90	33.0	3600	1695	3289	97.4	0.91	1130	2872	96.9	0.89	565	2275	95.9	0.85
2300	2030	**1NA1 508-2WC10-0CJ0**	3587	97.3	0.91	2150	6123	3.20	36.0	3600	1740	3290	97.4	0.91	1160	2873	96.9	0.89	580	2275	95.9	0.83
2580	2270	**1NA1 566-2WC10-0CJ0**	3589	97.1	0.92	2400	6865	2.80	54.6	3600	1955	3292	97.2	0.91	1300	2874	96.8	0.90	650	2276	95.9	0.85
2900	2550	**1NA1 568-2WC10-0CJ0**	3592	97.2	0.92	2700	7710	3.60	59.3	3600	2195	3294	97.3	0.90	1465	2875	96.6	0.88	730	2277	95.5	0.80
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - Square-law torque drive																							
320	280	**1NA1 311-4WC10-0AG0**	1787	95.8	0.87	320	1710	3.80	3.6	3300	240	1640	95.9	0.83	160	1432	94.8	0.77	80	1135	92.7	0.65
420	370	**1NA1 313-4WC10-0AG0**	1786	96.0	0.88	415	2246	3.90	4.5	3300	320	1640	96.1	0.84	210	1432	94.8	0.79	105	1135	92.7	0.68
490	430	**1NA1 315-4WC10-0AG0**	1788	96.1	0.87	490	2617	4.40	5.1	3300	370	1640	96.2	0.83	245	1433	94.6	0.77	125	1135	92.1	0.64
580	510	**1NA1 317-4WC10-0AG0**	1787	96.2	0.89	570	3099	4.10	5.8	3300	440	1640	96.3	0.86	295	1432	94.9	0.80	145	1135	92.6	0.70
620	540	**1NA1 351-4WC10-0AG0**	1788	96.3	0.90	600	3311	3.20	7.9	2400	470	1641	96.6	0.88	315	1433	95.4	0.85	155	1136	93.7	0.76
680	590	**1NA1 353-4WC10-0AG0**	1791	96.3	0.88	680	3626	4.40	8.6	2400	515	1643	96.4	0.82	345	1435	94.6	0.77	170	1137	91.9	0.63
750	660	**1NA1 355-4WC10-0AG0**	1789	96.5	0.91	720	4003	3.70	9.5	2400	570	1642	96.7	0.87	380	1434	95.3	0.84	190	1136	93.3	0.74
880	770	**1NA1 357-4WC10-0AG0**	1789	96.5	0.91	840	4697	3.70	10.8	2400	665	1642	96.7	0.88	445	1434	95.3	0.85	220	1136	93.4	0.75
1100	970	**1NA1 404-4WC10-0A.0**	1789	96.6	0.90	1060	5872	2.70	15.6	2600	835	1642	96.8	0.89	555	1434	96.1	0.86	275	1136	94.9	0.79
1070	940	**1NA1 404-4WC10-0C.0**	1787	96.6	0.89	1040	5718	2.50	19.8	2600	810	1640	96.9	0.88	540	1433	96.3	0.86	270	1136	95.4	0.79
1200	1060	**1NA1 406-4WC10-0A.0**	1790	96.7	0.90	1160	6402	3.00	17.4	2600	910	1642	96.9	0.89	605	1434	96.0	0.86	300	1136	94.7	0.77
1200	1060	**1NA1 406-4WC10-0C.0**	1788	96.7	0.89	1160	6409	2.60	22.0	2600	910	1641	97.0	0.88	605	1433	96.4	0.86	305	1136	95.4	0.78
1300	1150	**1NA1 408-4WC10-0A.0**	1791	96.8	0.91	1240	6931	3.30	19.7	2600	985	1643	97.0	0.89	655	1435	96.0	0.85	330	1137	94.5	0.76
1300	1150	**1NA1 408-4WC10-0C.0**	1789	96.9	0.90	1240	6939	2.90	24.9	2600	985	1642	97.1	0.89	655	1434	96.4	0.86	330	1136	95.2	0.77

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SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1510	1330	**1NA1 454-4WC10-0C.0**	1790	96.9	0.89	1460	8056	2.50	33.9	2400	1145	1642	97.2	0.88	765	1434	96.5	0.85	380	1136	95.7	0.78
1550	1370	**1NA1 454-4WC10-0A.0**	1790	96.9	0.90	1480	8269	2.70	26.4	2400	1175	1642	97.2	0.89	785	1434	96.5	0.86	390	1136	95.6	0.79
1700	1500	**1NA1 456-4WC10-0C.0**	1790	97.1	0.90	1620	9069	2.50	39.0	2400	1290	1643	97.3	0.89	860	1434	96.7	0.86	430	1136	95.9	0.79
1700	1500	**1NA1 456-4WC10-0A.0**	1790	97.1	0.91	1600	9069	2.80	30.4	2400	1290	1642	97.3	0.89	860	1434	96.6	0.87	430	1136	95.7	0.80
1850	1630	**1NA1 458-4WC10-0C.0**	1791	97.2	0.89	1780	9864	2.60	42.8	2400	1400	1643	97.4	0.88	935	1435	96.8	0.85	465	1137	96.0	0.78
1850	1630	**1NA1 458-4WC10-0A.0**	1791	97.2	0.90	1760	9864	2.90	33.5	2400	1400	1643	97.4	0.89	935	1435	96.8	0.86	465	1137	95.9	0.78
1810	1600	**1NA1 504-4WC10-0A.0**	1788	96.5	0.88	1780	9667	2.30	32.5	2200	1375	1641	96.8	0.89	915	1433	96.4	0.87	455	1136	95.5	0.81
1780	1570	**1NA1 504-4WC10-0C.0**	1789	96.6	0.87	1780	9501	1.90	42.4	2200	1350	1642	96.9	0.87	900	1434	96.5	0.86	450	1136	95.7	0.81
2170	1910	**1NA1 506-4WC10-0A.0**	1790	96.8	0.88	2150	11577	2.50	37.1	2200	1645	1642	97.1	0.88	1095	1434	96.5	0.86	545	1136	95.4	0.79
2160	1900	**1NA1 506-4WC10-0C.0**	1790	96.9	0.87	2150	11523	2.00	48.0	2200	1635	1643	97.1	0.87	1090	1434	96.7	0.85	545	1137	95.8	0.80
2260	1990	**1NA1 508-4WC10-0A.0**	1790	96.9	0.90	2150	12057	2.70	42.4	2200	1715	1642	97.1	0.89	1140	1434	96.4	0.87	570	1136	95.3	0.80
2250	1980	**1NA1 508-4WC10-0C.0**	1791	96.9	0.88	2200	11997	2.10	54.6	2200	1705	1643	97.2	0.88	1135	1435	96.6	0.86	565	1137	95.6	0.81
2550	2250	**1NA1 564-4WC10-0A.0**	1791	97.1	0.88	2500	13596	2.30	59.9	2000	1930	1644	97.3	0.87	1285	1435	96.8	0.86	645	1137	96.1	0.80
2520	2220	**1NA1 564-4WC10-0C.0**	1791	97.1	0.87	2500	13436	2.00	79.4	2000	1910	1643	97.3	0.87	1275	1435	96.9	0.85	635	1137	96.3	0.80
2620	2310	**1NA1 566-4WC10-0A.0**	1791	97.1	0.89	2550	13969	2.30	66.7	2000	1985	1643	97.3	0.89	1325	1435	96.9	0.87	660	1137	96.3	0.82
2620	2310	**1NA1 566-4WC10-0C.0**	1791	97.1	0.88	2550	13969	2.00	88.0	2000	1985	1643	97.4	0.88	1325	1435	96.9	0.87	660	1137	96.3	0.83
3000	2640	**1NA1 568-4WC10-0C.0**	1793	97.3	0.90	2850	15978	2.60	96.7	2000	2275	1645	97.5	0.89	1515	1436	96.9	0.86	755	1138	96.0	0.78
3000	2640	**1NA1 568-4WC10-0A.0**	1793	97.2	0.90	2850	15978	3.00	73.4	2000	2275	1645	97.4	0.89	1515	1436	96.7	0.86	755	1138	95.7	0.78
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - Square-law torque drive																							
280	250	**1NA1 311-6WC10-0AG0**	1192	95.5	0.85	290	2243	2.80	5.8	3100	210	1094	95.7	0.80	140	955	94.4	0.76	70	757	92.2	0.65
340	300	**1NA1 313-6WC10-0AG0**	1193	95.8	0.84	350	2722	3.10	7.0	3100	255	1095	95.9	0.79	170	956	94.2	0.74	85	757	91.6	0.62
400	350	**1NA1 315-6WC10-0AG0**	1192	95.8	0.87	405	3204	2.60	8.1	3100	305	1094	96.1	0.83	200	955	94.9	0.80	100	757	92.9	0.71
460	400	**1NA1 317-6WC10-0AG0**	1192	95.9	0.87	460	3685	2.60	8.8	3100	350	1094	96.1	0.84	230	955	95.0	0.81	115	757	93.2	0.71
600	520	**1NA1 351-6WC10-0AG0**	1193	96.1	0.86	610	4803	2.60	14.0	2000	455	1095	96.5	0.83	305	956	95.4	0.79	150	758	93.7	0.69
660	580	**1NA1 353-6WC10-0AG0**	1193	96.1	0.87	660	5283	2.40	15.4	2000	500	1095	96.5	0.85	335	956	95.6	0.82	165	757	94.1	0.73
750	660	**1NA1 355-6WC10-0AG0**	1193	96.2	0.87	750	6003	2.40	17.2	2000	570	1094	96.6	0.85	380	956	95.8	0.83	190	757	94.3	0.75
850	740	**1NA1 357-6WC10-0AG0**	1193	96.4	0.87	850	6804	2.60	19.3	2000	645	1095	96.7	0.84	430	956	95.7	0.81	215	758	94.0	0.72
1050	930	**1NA1 404-6WC10-0AG0**	1192	96.1	0.88	1040	8412	2.20	25.8	2400	795	1094	96.6	0.88	530	955	95.7	0.86	265	757	94.5	0.81
1020	900	**1NA1 404-6WC10-0CG0**	1190	96.1	0.87	1020	8185	1.90	33.2	2400	775	1093	96.6	0.87	515	954	96.1	0.86	255	757	95.3	0.81
1160	1020	**1NA1 406-6WC10-0AG0**	1192	96.3	0.89	1140	9293	2.40	29.6	2400	880	1094	96.7	0.88	585	956	95.7	0.86	295	757	94.3	0.79
1150	1010	**1NA1 406-6WC10-0CG0**	1191	96.3	0.87	1140	9221	2.10	38.0	2400	870	1093	96.8	0.87	580	955	96.2	0.86	290	757	95.3	0.81
1300	1150	**1NA1 408-6WC10-0AG0**	1193	96.4	0.89	1260	10406	2.90	33.5	2400	985	1095	96.7	0.87	655	956	95.5	0.84	330	757	93.7	0.75
1320	1160	**1NA1 408-6WC10-0CG0**	1193	96.6	0.88	1300	10566	2.40	41.9	2400	1000	1094	97.0	0.87	665	956	96.2	0.84	335	757	95.0	0.76
1360	1200	**1NA1 454-6WC10-0A.0**	1192	96.5	0.86	1380	10895	2.40	39.5	2200	1030	1094	96.7	0.85	690	955	95.9	0.82	345	757	94.7	0.74
1360	1200	**1NA1 454-6WC10-0C.0**	1191	96.5	0.86	1380	10904	2.10	49.1	2200	1030	1093	96.8	0.85	690	955	96.3	0.83	345	757	95.4	0.76

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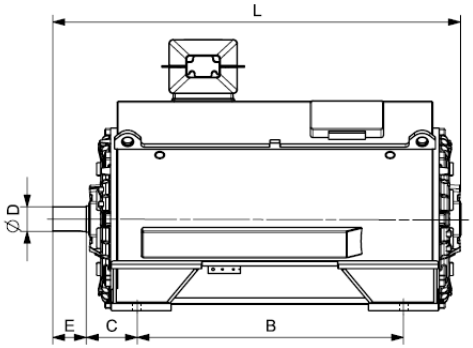
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																						
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive										
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1550	1370	**1NA1 456-6WC10-0C.0**	1191	96.7	0.86	1560	12428	2.10	56.8	2200	1175	1093	97.0	0.85	785	955	96.5	0.84	390	757	95.6	0.77
1550	1370	**1NA1 456-6WC10-0A.0**	1192	96.7	0.87	1540	12417	2.40	45.8	2200	1175	1094	96.9	0.85	785	956	96.1	0.83	390	757	95.0	0.75
1750	1540	**1NA1 458-6WC10-0C.0**	1191	96.8	0.87	1740	14031	2.00	67.0	2200	1325	1093	97.0	0.86	885	955	96.5	0.85	440	757	95.7	0.80
1750	1540	**1NA1 458-6WC10-0A.0**	1192	96.7	0.88	1720	14020	2.30	54.3	2200	1325	1094	96.9	0.87	885	955	96.3	0.85	440	757	95.2	0.79
1850	1630	**1NA1 502-6WC10-0A.0**	1187	96.3	0.81	1980	14883	1.50	52.8	2100	1405	1091	96.8	0.83	935	953	96.6	0.84	470	756	96.0	0.81
1950	1720	**1NA1 502-6WC10-0C.0**	1190	96.6	0.83	2050	15648	1.40	67.5	2100	1480	1093	97.0	0.86	985	955	96.9	0.87	495	757	96.5	0.83
2160	1910	**1NA1 504-6WC10-0A.0**	1189	96.6	0.83	2250	17348	1.70	59.7	2100	1640	1092	97.0	0.84	1095	954	96.7	0.84	545	756	95.9	0.80
2270	2000	**1NA1 504-6WC10-0C.0**	1191	96.8	0.85	2300	18201	1.50	76.1	2100	1720	1094	97.2	0.86	1150	955	97.0	0.86	575	757	96.4	0.82
2200	1940	**1NA1 506-6WC10-0A.0**	1190	96.6	0.85	2250	17654	1.70	67.3	2100	1670	1092	97.0	0.86	1110	954	96.6	0.86	555	756	95.8	0.81
2350	2070	**1NA1 506-6WC10-0C.0**	1192	96.8	0.85	2400	18826	1.50	85.6	2100	1780	1094	97.2	0.87	1190	955	97.0	0.87	595	757	96.3	0.83
2605	2290	**1NA1 508-6WC10-0A.0**	1191	96.9	0.85	2650	20887	1.90	76.4	2100	1975	1093	97.2	0.86	1315	955	96.6	0.85	655	757	95.6	0.79
2770	2440	**1NA1 508-6WC10-0C.0**	1193	97.1	0.86	2800	22172	1.70	96.7	2100	2100	1094	97.4	0.87	1400	956	97.0	0.87	700	757	96.2	0.82
2840	2500	**1NA1 564-6WC10-0C.0**	1194	97.4	0.87	2800	22714	2.20	136.7	2000	2155	1095	97.6	0.88	1435	956	96.9	0.87	715	758	95.8	0.80
2915	2570	**1NA1 566-6WC10-0C.0**	1193	97.3	0.87	2900	23333	2.10	151.9	2000	2205	1095	97.6	0.88	1470	956	96.9	0.88	735	758	95.8	0.82
3110	2740	**1NA1 568-6WC10-0C.0**	1194	97.4	0.88	3050	24873	2.30	167.0	2000	2355	1096	97.6	0.88	1570	957	96.9	0.87	785	758	95.7	0.79
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - Square-law torque drive																						
850	750	**1NA1 404-8WC10-0AG0**	890	95.4	0.85	880	9120	1.90	26.7	2400	645	817	95.8	0.84	430	714	95.2	0.82	215	566	94.0	0.75
800	710	**1NA1 404-8WC10-0CG0**	888	95.2	0.82	860	8603	1.70	32.8	2400	605	816	95.7	0.82	405	713	95.3	0.80	200	566	94.3	0.74
920	810	**1NA1 406-8WC10-0AG0**	891	95.6	0.85	950	9860	2.10	30.6	2400	700	818	96.0	0.84	465	715	95.1	0.81	230	567	93.5	0.73
900	790	**1NA1 406-8WC10-0CG0**	889	95.5	0.83	950	9667	1.80	37.6	2400	685	817	95.9	0.82	455	714	95.3	0.80	230	566	94.1	0.73
1010	890	**1NA1 408-8WC10-0AG0**	891	95.8	0.85	1040	10825	2.10	33.8	2400	765	818	96.1	0.84	510	715	95.3	0.81	255	567	93.8	0.74
1000	880	**1NA1 408-8WC10-0CG0**	889	95.7	0.84	1040	10742	1.80	41.5	2400	760	817	96.0	0.83	505	714	95.4	0.80	255	566	94.3	0.74
1050	930	**1NA1 454-8WC10-0A.0**	890	95.6	0.80	1140	11266	1.70	40.0	2200	795	818	96.1	0.80	530	714	95.5	0.80	265	567	94.5	0.73
1020	900	**1NA1 454-8WC10-0C.0**	888	95.5	0.80	1120	10969	1.80	48.8	2200	775	816	96.0	0.80	515	713	95.5	0.79	260	566	94.6	0.74
1300	1150	**1NA1 456-8WC10-0A.0**	892	96.1	0.80	1420	13917	2.00	46.4	2200	985	819	96.4	0.79	660	715	95.5	0.77	330	567	94.0	0.67
1300	1150	**1NA1 456-8WC10-0C.0**	890	96.0	0.80	1420	13948	2.00	56.4	2200	985	818	96.4	0.79	660	714	95.7	0.78	330	567	94.6	0.69
1450	1280	**1NA1 458-8WC10-0C.0**	890	96.1	0.81	1560	15558	2.00	66.6	2200	1100	818	96.5	0.81	735	715	95.7	0.80	365	567	94.5	0.72
1460	1290	**1NA1 458-8WC10-0A.0**	892	96.2	0.82	1540	15630	1.90	54.9	2200	1110	819	96.5	0.81	740	715	95.6	0.79	370	567	94.1	0.71
1600	1410	**1NA1 504-8WC10-0A.0**	891	96.0	0.79	1760	17148	1.50	58.9	2100	1215	818	96.3	0.80	810	715	96.1	0.78	405	567	95.1	0.72
1600	1410	**1NA1 504-8WC10-0C.0**	892	96.1	0.84	1660	17129	1.80	75.7	2100	1215	819	96.3	0.84	810	716	95.9	0.81	405	567	94.7	0.74
1805	1590	**1NA1 506-8WC10-0C.0**	893	96.2	0.84	1860	19302	1.80	85.2	2100	1365	819	96.4	0.84	910	716	95.9	0.81	455	567	94.6	0.74
1800	1590	**1NA1 506-8WC10-0A.0**	891	96.1	0.79	1980	19292	1.50	66.4	2100	1365	818	96.4	0.80	910	715	96.1	0.79	455	567	95.0	0.73
2000	1760	**1NA1 508-8WC10-0A.0**	892	96.2	0.80	2150	21411	1.60	75.3	2100	1520	819	96.4	0.81	1010	715	96.2	0.79	505	567	95.2	0.72
2100	1850	**1NA1 508-8WC10-0C.0**	892	96.2	0.84	2150	22482	1.60	96.4	2100	1595	819	96.4	0.84	1060	715	96.2	0.83	530	567	95.2	0.78
2285	2010	**1NA1 564-8WC10-0C.0**	894	96.8	0.84	2350	24407	1.80	136.4	2000	1730	820	97.1	0.85	1155	716	96.4	0.83	575	568	95.1	0.75

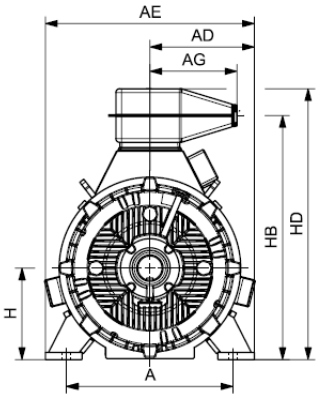
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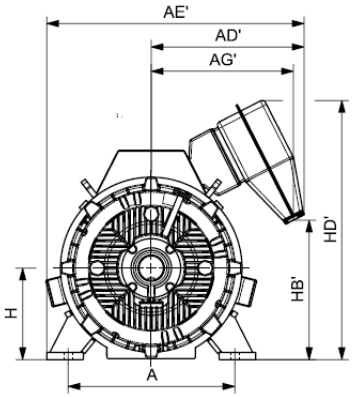
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque

Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2530	2230	**1NA1 566-8WC10-0C.0**	894	97.0	0.84	2600	27024	2.10	151.7	2000	1920	821	97.2	0.84	1280	717	96.3	0.81	640	568	94.7	0.71
2800	2470	**1NA1 568-8WC10-0C.0**	893	96.9	0.84	2900	29942	1.70	167.0	2000	2125	820	97.2	0.85	1415	716	96.6	0.85	705	568	95.6	0.79

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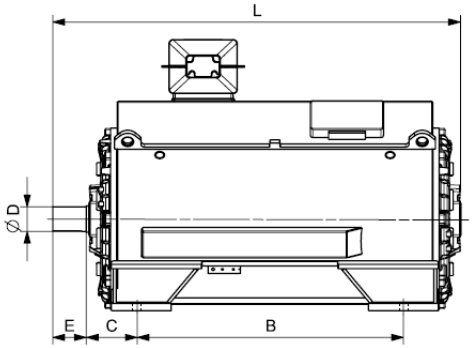


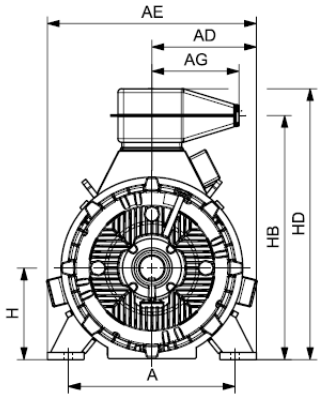


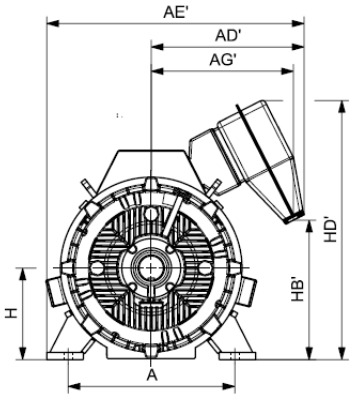


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WC10-0A.0	2600	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 402-2WC10-0C.0	2700	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC10-0A.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC10-0C.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC10-0A.0	2900	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC10-0C.0	3000	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC10-0A.0	3100	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC10-0C.0	3200	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 454-2WC10-0AJ0	3700	850	356	754	871	1269	356	563	1250	450	95	130	450	1155	699	1369	1336	2145	o.r.
1NA1 454-2WC10-0C.0	3800	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 456-2WC10-0AJ0	3900	850	356	754	871	1269	356	563	1250	450	95	130	450	1155	699	1369	1336	2145	o.r.
1NA1 456-2WC10-0C.0	4000	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 458-2WC10-0AJ0	4100	850	356	754	871	1269	356	563	1250	450	95	130	450	1155	699	1369	1336	2145	o.r.
1NA1 458-2WC10-0C.0	4200	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 504-2WC10-0CJ0	5100	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 506-2WC10-0CJ0	5500	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 508-2WC10-0CJ0	5800	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 566-2WC10-0CJ0	7100	1060	380	903	1015	1538	371	782	1400	560	120	165	560	1584	998	1749	1619	2577	o.r.
1NA1 568-2WC10-0CJ0	7400	1060	380	903	1015	1538	371	782	1400	560	120	165	560	1584	998	1749	1619	2577	o.r.
4-pole																			
1NA1 311-4WC10-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-4WC10-0AG0	1400	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-4WC10-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.

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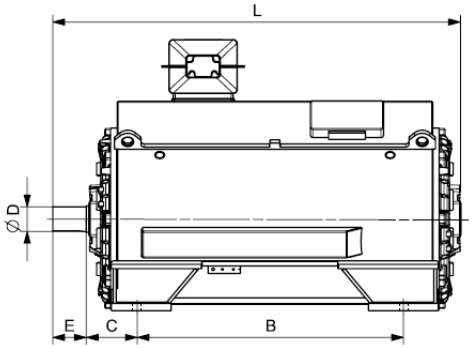


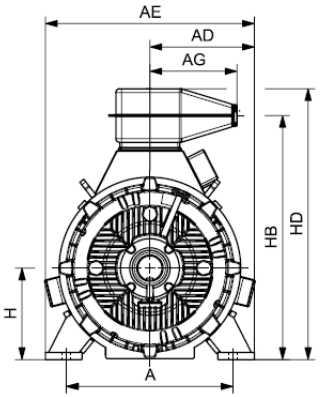


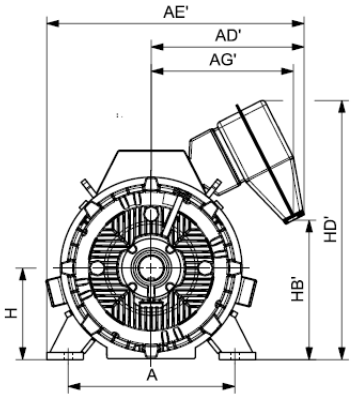


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 317-4WC10-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-4WC10-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-4WC10-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-4WC10-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-4WC10-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-4WC10-0A.0	2800	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-4WC10-0C.0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC10-0A.0	3000	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC10-0C.0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC10-0A.0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC10-0C.0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-4WC10-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-4WC10-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC10-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC10-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC10-0C.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC10-0A.0	4400	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-4WC10-0A.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-4WC10-0C.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC10-0A.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC10-0C.0	5800	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-4WC10-0A.0	6000	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-4WC10-0C.0	6300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-4WC10-0A.0	6900	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.

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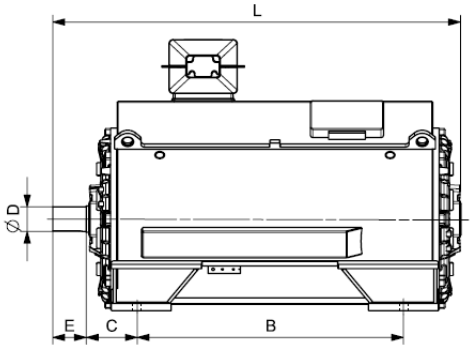


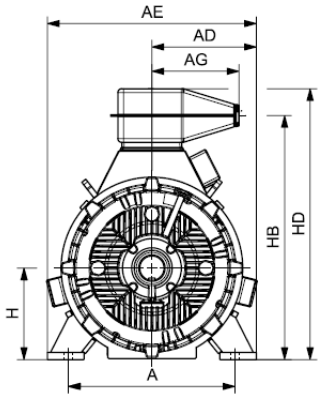


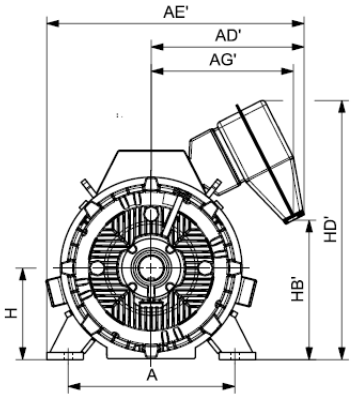


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 564-4WC10-0C.0	7200	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC10-0A.0	7400	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC10-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC10-0C.0	8200	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC10-0A.0	7800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
6-pole																			
1NA1 311-6WC10-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-6WC10-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-6WC10-0AG0	1600	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 317-6WC10-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-6WC10-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-6WC10-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-6WC10-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-6WC10-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-6WC10-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-6WC10-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC10-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC10-0CG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC10-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC10-0CG0	3600	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-6WC10-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-6WC10-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC10-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC10-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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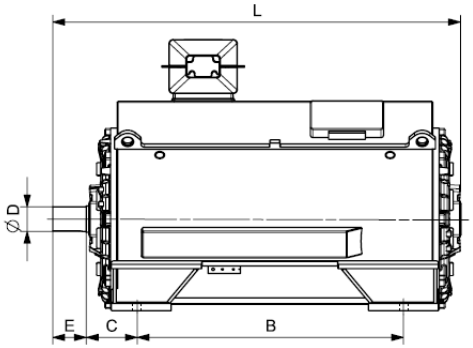


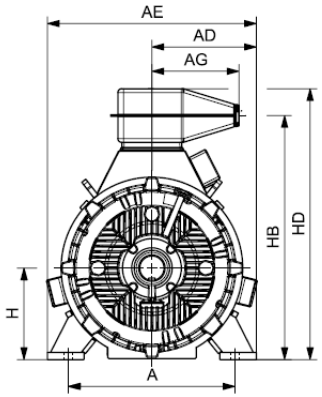


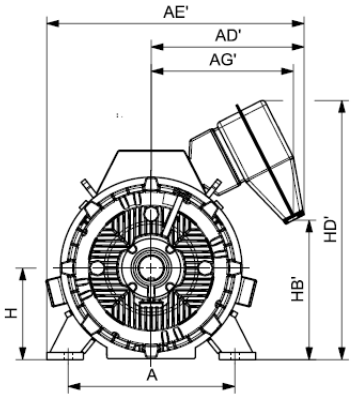


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 458-6WC10-0C.0	4800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC10-0A.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 502-6WC10-0A.0	4900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 502-6WC10-0C.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC10-0A.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC10-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC10-0A.0	5600	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC10-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC10-0A.0	6200	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC10-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-6WC10-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-6WC10-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-6WC10-0C.0	8800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
8-pole																			
1NA1 404-8WC10-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-8WC10-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC10-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC10-0CG0	3300	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC10-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC10-0CG0	3500	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-8WC10-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-8WC10-0C.0	3800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC10-0A.0	4000	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC10-0C.0	4200	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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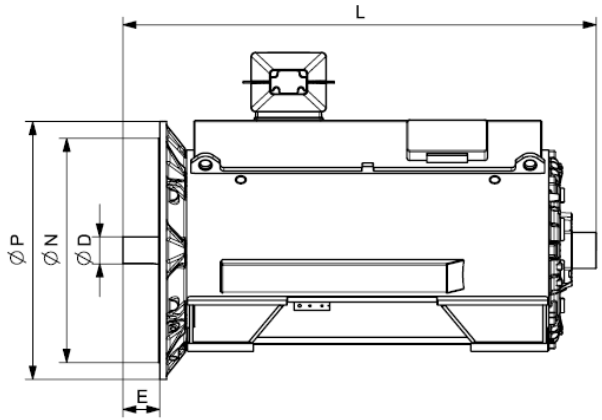


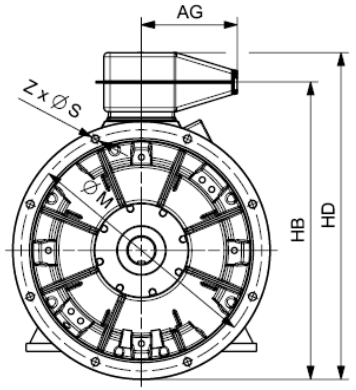




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 458-8WC10-0C.0	4700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC10-0A.0	4500	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-8WC10-0A.0	5200	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-8WC10-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC10-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC10-0A.0	5600	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC10-0A.0	6100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC10-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-8WC10-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-8WC10-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-8WC10-0C.0	8800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.

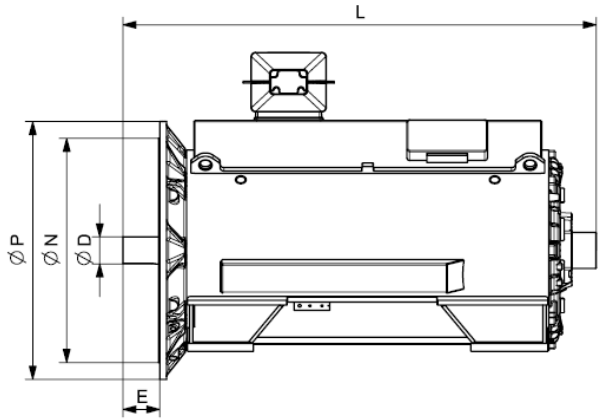
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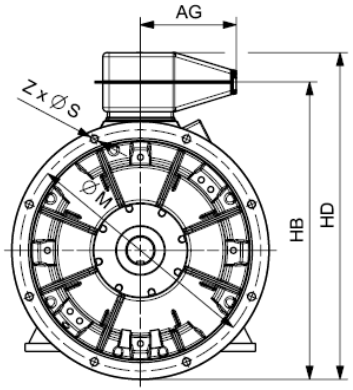




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 311-4WC18-0AG0	1300	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-4WC18-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-4WC18-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-4WC18-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-4WC18-0AG0	2100	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-4WC18-0AG0	2200	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-4WC18-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-4WC18-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-4WC18-0AG0	2900	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-4WC18-0CG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC18-0AG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC18-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC18-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC18-0CG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-4WC18-0CG0	4100	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WC18-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC18-0CG0	4500	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC18-0AG0	4300	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC18-0CG0	4800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC18-0AG0	4500	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WC18-0AG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WC18-0CG0	5500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16

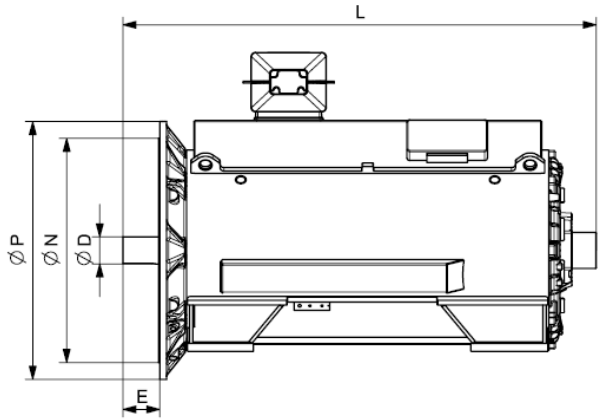
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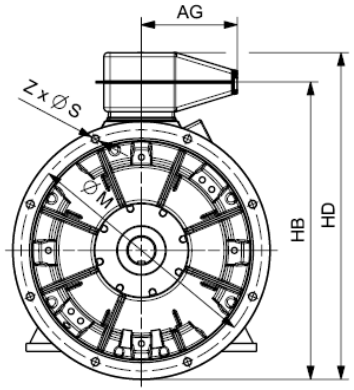




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 506-4WC18-0AG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WC18-0CG0	5900	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC18-0AG0	6200	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC18-0CG0	6400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-4WC18-0AG0	7100	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WC18-0CG0	7400	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC18-0AG0	7600	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC18-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC18-0CG0	8400	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC18-0AG0	8000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 311-6WC18-0AG0	1400	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-6WC18-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-6WC18-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-6WC18-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-6WC18-0AG0	2000	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-6WC18-0AG0	2200	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-6WC18-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-6WC18-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-6WC18-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-6WC18-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC18-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC18-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

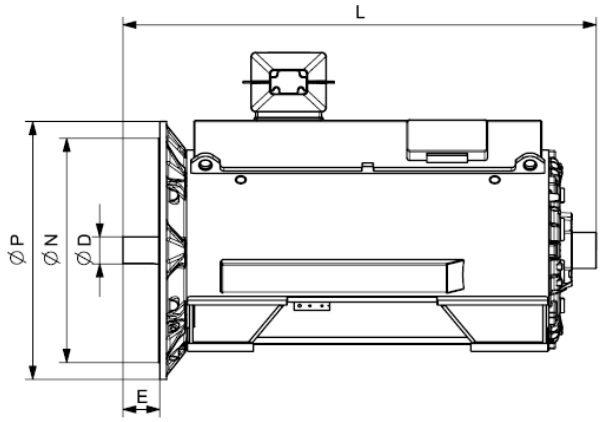
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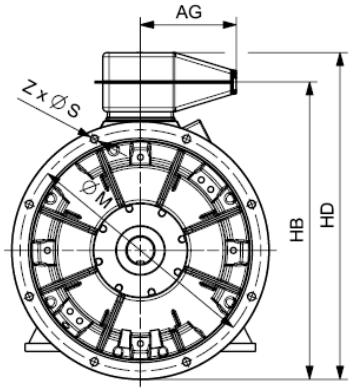




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 408-6WC18-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-6WC18-0CG0	3700	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-6WC18-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WC18-0CG0	4000	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC18-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC18-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC18-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC18-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WC18-0AG0	5100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WC18-0CG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC18-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC18-0CG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC18-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC18-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC18-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC18-0CG0	6600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WC18-0CG0	8000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WC18-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WC18-0CG0	9000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WC18-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-8WC18-0CG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-8WC18-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 406-8WC18-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC18-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC18-0CG0	3600	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-8WC18-0AG0	3800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WC18-0CG0	4000	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC18-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC18-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC18-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC18-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-8WC18-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WC18-0CG0	5600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC18-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC18-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC18-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC18-0CG0	6500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WC18-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WC18-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WC18-0CG0	9000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16

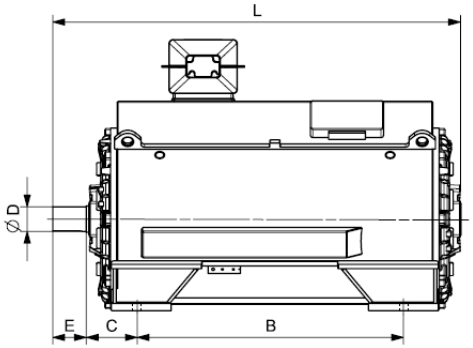
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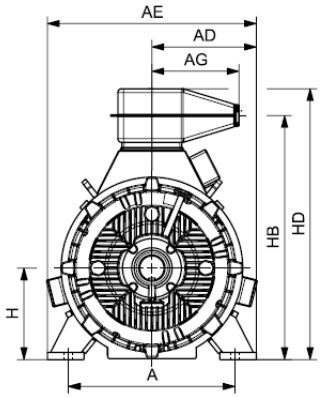
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	1100	**1NA1 454-2WR40-0A.0**	2983	97.0	0.90	174	3521	2.50	14.2	3600	820	2687	97.2	0.90	555	2390	97.3	0.88	270	1854	97.1	0.85
	1060	**1NA1 454-2WR40-0C.0**	2981	96.8	0.90	168	3396	2.20	18.4	3600	790	2684	97.0	0.89	535	2388	97.0	0.88	260	1853	96.8	0.84
	1200	**1NA1 456-2WR40-0A.0**	2984	97.2	0.91	188	3840	2.70	15.7	3600	895	2687	97.3	0.90	605	2391	97.3	0.89	295	1854	97.2	0.85
	1200	**1NA1 456-2WR40-0C.0**	2981	96.9	0.91	188	3844	2.30	20.2	3600	895	2685	97.1	0.90	605	2389	97.1	0.88	295	1853	96.9	0.85
	1320	**1NA1 458-2WR40-0A.0**	2986	97.3	0.92	205	4221	3.00	17.0	3600	980	2688	97.4	0.91	665	2391	97.4	0.89	325	1855	97.1	0.84
	1300	**1NA1 458-2WR40-0C.0**	2983	97.1	0.91	205	4162	2.50	21.9	3600	965	2686	97.2	0.90	655	2390	97.2	0.88	320	1854	96.9	0.84
	1650	**1NA1 504-2WR40-0AJ0**	2983	97.2	0.89	265	5282	2.50	22.6	3600	1230	2686	97.4	0.90	835	2390	97.5	0.89	405	1854	97.4	0.86
	1650	**1NA1 504-2WR40-0C.0**	2984	97.1	0.89	265	5280	2.20	29.7	3000	1230	2687	97.3	0.90	835	2390	97.4	0.88	410	1854	97.2	0.85
	1850	**1NA1 506-2WR40-0AJ0**	2983	97.3	0.90	295	5922	2.50	25.7	3600	1375	2686	97.5	0.90	935	2390	97.6	0.89	455	1854	97.5	0.86
	1850	**1NA1 506-2WR40-0C.0**	2984	97.2	0.90	295	5920	2.20	33.3	3000	1375	2687	97.4	0.90	935	2390	97.5	0.89	455	1854	97.4	0.86
	2120	**1NA1 508-2WR40-0AJ0**	2985	97.5	0.91	330	6782	2.90	28.1	3600	1575	2688	97.6	0.91	1070	2391	97.7	0.89	525	1854	97.5	0.86
	2120	**1NA1 508-2WR40-0C.0**	2986	97.4	0.90	335	6780	2.50	36.2	3000	1575	2688	97.6	0.91	1070	2391	97.6	0.89	525	1855	97.4	0.85
	2450	**1NA1 566-2WR40-0C.0**	2987	97.4	0.90	390	7833	2.10	55.3	3000	1825	2690	97.6	0.91	1240	2392	97.6	0.91	605	1855	97.6	0.88
	2770	**1NA1 568-2WR40-0C.0**	2988	97.6	0.91	435	8853	2.20	60.0	3000	2060	2690	97.7	0.91	1400	2393	97.7	0.91	685	1856	97.6	0.88
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	1250	**1NA1 454-4WR40-0A.0**	1490	96.7	0.86	210	8011	2.50	21.5	2400	930	1342	96.9	0.85	630	1194	96.9	0.81	310	926	96.6	0.73
	1210	**1NA1 454-4WR40-0C.0**	1490	96.7	0.84	205	7755	2.20	27.6	2400	900	1342	96.9	0.84	610	1194	96.9	0.81	300	926	96.7	0.73
	1370	**1NA1 456-4WR40-0A.0**	1490	96.8	0.87	225	8780	2.50	24.8	2400	1020	1342	97.0	0.86	695	1194	97.0	0.83	340	926	96.7	0.75
	1360	**1NA1 456-4WR40-0C.0**	1490	96.8	0.85	230	8716	2.10	31.7	2400	1015	1342	97.0	0.85	690	1194	97.0	0.82	335	926	96.8	0.75
	1550	**1NA1 458-4WR40-0A.0**	1491	97.0	0.86	260	9927	2.70	27.2	2400	1155	1343	97.1	0.85	785	1195	97.1	0.81	385	927	96.7	0.72
	1520	**1NA1 458-4WR40-0C.0**	1491	97.0	0.85	255	9735	2.30	34.8	2400	1130	1343	97.1	0.84	770	1195	97.1	0.81	375	927	96.9	0.73
	1600	**1NA1 504-4WR40-0A.0**	1490	96.8	0.87	265	10254	2.20	32.5	2200	1190	1342	97.0	0.87	810	1194	97.1	0.85	395	926	97.0	0.80
	1560	**1NA1 504-4WR40-0C.0**	1490	96.8	0.85	265	9998	1.80	42.4	2200	1160	1342	97.0	0.85	790	1194	97.2	0.84	385	927	97.1	0.80
	1800	**1NA1 506-4WR40-0A.0**	1490	97.0	0.88	295	11536	2.30	37.1	2200	1340	1342	97.1	0.88	910	1194	97.2	0.85	445	926	97.1	0.79
	1770	**1NA1 506-4WR40-0C.0**	1491	97.0	0.86	295	11336	1.90	48.0	2200	1315	1343	97.2	0.86	895	1195	97.3	0.85	435	927	97.2	0.80
	2000	**1NA1 508-4WR40-0A.0**	1491	97.1	0.89	320	12809	2.70	42.4	2200	1490	1343	97.2	0.88	1010	1195	97.3	0.85	495	927	97.1	0.78
	2000	**1NA1 508-4WR40-0C.0**	1492	97.1	0.87	330	12801	2.10	54.6	2200	1490	1344	97.3	0.87	1010	1195	97.4	0.85	495	927	97.2	0.78
	2250	**1NA1 562-4WR40-0C.0**	1491	97.3	0.84	380	14410	1.70	72.5	2000	1675	1343	97.5	0.85	1135	1195	97.6	0.84	555	927	97.5	0.79
	2270	**1NA1 562-4WR40-0A.0**	1492	97.3	0.86	375	14529	2.00	54.5	2000	1690	1343	97.4	0.86	1145	1195	97.5	0.84	560	927	97.4	0.79
	2550	**1NA1 564-4WR40-0A.0**	1492	97.4	0.87	420	16321	2.10	59.9	2000	1895	1344	97.5	0.87	1290	1195	97.6	0.85	630	927	97.4	0.79
	2510	**1NA1 564-4WR40-0C.0**	1492	97.5	0.86	415	16065	1.90	79.4	2000	1870	1343	97.6	0.86	1270	1195	97.7	0.84	620	927	97.5	0.79
	2810	**1NA1 566-4WR40-0A.0**	1492	97.5	0.88	455	17985	2.20	66.7	2000	2090	1344	97.6	0.88	1420	1195	97.6	0.85	695	927	97.4	0.80
	2800	**1NA1 566-4WR40-0C.0**	1492	97.6	0.87	460	17921	1.90	88.0	2000	2085	1344	97.7	0.87	1415	1195	97.7	0.85	690	927	97.6	0.80
	3100	**1NA1 568-4WR40-0A.0**	1493	97.6	0.89	495	19828	2.30	73.4	2000	2305	1344	97.7	0.88	1565	1196	97.7	0.85	765	927	97.5	0.79

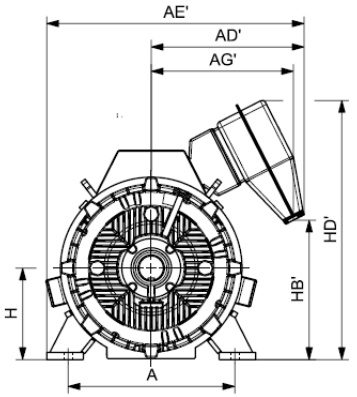
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SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	3070	**1NA1 568-4WR40-0C.0**	1493	97.7	0.87	500	19636	2.00	96.7	2000	2285	1344	97.8	0.87	1550	1196	97.8	0.85	755	927	97.6	0.79
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - Square-law torque drive																						
	950	**1NA1 454-6WR40-0A.0**	991	96.1	0.80	172	9154	1.80	31.8	2200	710	893	96.3	0.80	480	795	96.4	0.79	235	617	96.1	0.71
	1000	**1NA1 454-6WR40-0C.0**	991	96.2	0.83	174	9636	1.80	41.0	2200	745	893	96.4	0.83	505	795	96.5	0.82	245	617	96.2	0.74
	1070	**1NA1 456-6WR40-0A.0**	992	96.2	0.81	190	10300	1.80	36.9	2200	795	894	96.4	0.81	540	795	96.6	0.80	265	617	96.3	0.72
	1100	**1NA1 456-6WR40-0C.0**	992	96.3	0.84	188	10589	1.90	47.3	2200	820	894	96.5	0.84	555	795	96.6	0.82	270	617	96.3	0.75
	1250	**1NA1 458-6WR40-0A.0**	992	96.4	0.81	220	12033	1.80	43.6	2200	930	893	96.6	0.81	630	795	96.7	0.81	310	617	96.4	0.74
	1270	**1NA1 458-6WR40-0C.0**	992	96.5	0.84	215	12225	1.90	55.7	2200	945	894	96.7	0.84	640	795	96.8	0.82	315	617	96.5	0.75
	1260	**1NA1 502-6WR40-0A.0**	992	96.3	0.84	215	12129	2.00	52.8	2100	940	893	96.6	0.84	635	795	96.8	0.84	310	617	96.7	0.77
	1320	**1NA1 502-6WR40-0C.0**	993	96.5	0.86	220	12694	1.70	67.5	2100	980	895	96.8	0.87	665	796	97.0	0.86	325	618	97.0	0.80
	1410	**1NA1 504-6WR40-0A.0**	991	96.4	0.84	240	13587	1.80	59.7	2100	1050	893	96.7	0.85	715	795	97.0	0.85	350	617	97.0	0.80
	1500	**1NA1 504-6WR40-0C.0**	992	96.6	0.86	250	14439	1.60	76.1	2100	1115	894	96.9	0.87	760	796	97.2	0.87	370	617	97.2	0.83
	1650	**1NA1 506-6WR40-0A.0**	991	96.6	0.85	280	15899	1.90	67.3	2100	1230	893	96.9	0.85	835	795	97.1	0.85	410	617	97.0	0.80
	1750	**1NA1 506-6WR40-0C.0**	993	96.8	0.86	290	16829	1.70	85.6	2100	1305	894	97.1	0.87	885	796	97.3	0.87	430	618	97.3	0.82
	1860	**1NA1 508-6WR40-0A.0**	992	96.7	0.86	310	17905	2.00	76.4	2100	1385	893	97.0	0.86	940	795	97.2	0.86	460	617	97.0	0.80
	1950	**1NA1 508-6WR40-0C.0**	993	96.9	0.87	320	18752	1.80	96.7	2100	1450	895	97.2	0.87	985	796	97.4	0.87	480	618	97.3	0.82
	2170	**1NA1 564-6WR40-0C.0**	993	97.2	0.87	355	20868	2.00	136.7	2000	1615	895	97.4	0.88	1095	796	97.6	0.88	535	618	97.5	0.82
	2440	**1NA1 566-6WR40-0C.0**	994	97.3	0.87	400	23441	2.00	151.9	2000	1815	895	97.5	0.88	1235	796	97.7	0.88	605	618	97.6	0.82
	2660	**1NA1 568-6WR40-0C.0**	994	97.4	0.88	430	25554	2.20	167.0	2000	1980	895	97.6	0.88	1345	797	97.7	0.87	655	618	97.5	0.81
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - Square-law torque drive																						
	750	**1NA1 454-8WR40-0A.0**	742	95.7	0.78	140	9652	1.80	32.0	2200	560	669	95.9	0.78	380	595	96.1	0.76	185	462	95.7	0.67
	780	**1NA1 454-8WR40-0C.0**	742	95.7	0.80	142	10038	1.70	41.1	2200	580	669	95.9	0.80	395	596	96.0	0.78	195	462	95.6	0.69
	850	**1NA1 456-8WR40-0A.0**	742	95.8	0.79	156	10939	1.80	37.1	2200	635	669	96.0	0.79	430	595	96.1	0.77	210	462	95.8	0.68
	900	**1NA1 456-8WR40-0C.0**	742	95.8	0.81	160	11583	1.70	47.4	2200	670	669	96.0	0.81	455	596	96.1	0.79	225	462	95.8	0.70
	1000	**1NA1 458-8WR40-0A.0**	742	95.9	0.79	184	12870	1.70	43.9	2200	745	669	96.1	0.79	505	595	96.3	0.78	250	462	96.1	0.70
	1010	**1NA1 458-8WR40-0C.0**	743	95.9	0.81	180	12981	1.70	55.9	2200	750	669	96.2	0.81	510	596	96.3	0.79	250	462	95.9	0.70
	1120	**1NA1 504-8WR40-0A.0**	743	95.7	0.80	205	14395	1.60	58.9	2100	835	669	95.9	0.80	565	596	96.2	0.78	275	462	95.9	0.72
	1160	**1NA1 504-8WR40-0C.0**	743	95.8	0.85	198	14909	1.80	75.7	2100	865	670	96.0	0.84	585	596	96.2	0.82	285	463	95.8	0.74
	1240	**1NA1 506-8WR40-0A.0**	743	95.8	0.80	225	15937	1.70	66.4	2100	925	669	96.0	0.80	630	596	96.3	0.79	305	462	96.0	0.72
	1280	**1NA1 506-8WR40-0C.0**	744	95.9	0.85	220	16429	1.90	85.2	2100	955	670	96.1	0.84	645	596	96.3	0.82	315	463	95.9	0.74
	1400	**1NA1 508-8WR40-0A.0**	744	96.0	0.81	250	17969	1.90	75.3	2100	1045	670	96.2	0.81	710	596	96.4	0.78	345	463	95.9	0.69
	1450	**1NA1 508-8WR40-0C.0**	744	96.1	0.85	245	18611	2.10	96.4	2100	1080	670	96.2	0.84	735	597	96.3	0.80	360	463	95.8	0.72
	1680	**1NA1 564-8WR40-0C.0**	744	96.7	0.84	285	21563	1.80	136.4	2000	1250	670	96.9	0.85	850	596	97.1	0.84	415	463	97.0	0.77
	1880	**1NA1 566-8WR40-0C.0**	744	96.8	0.85	315	24130	1.90	151.7	2000	1400	670	97.0	0.85	950	597	97.1	0.84	465	463	97.0	0.76
	2050	**1NA1 568-8WR40-0C.0**	744	96.8	0.85	345	26312	1.80	167.0	2000	1525	670	97.1	0.85	1035	597	97.2	0.84	505	463	97.1	0.77

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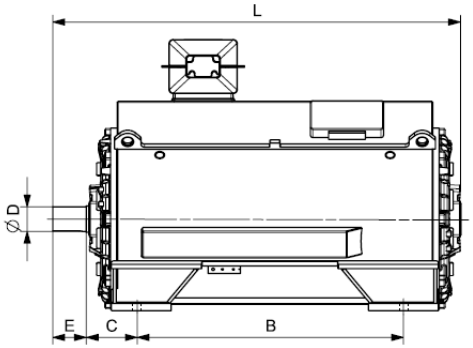


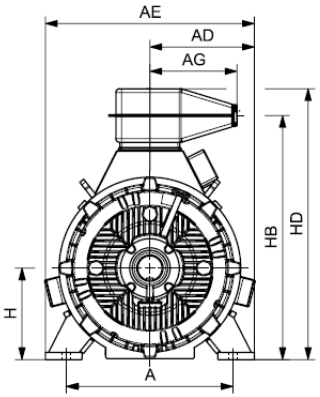


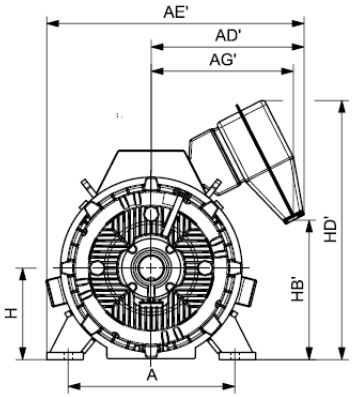


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2WR40-0A.0	3700	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 454-2WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WR40-0A.0	4000	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WR40-0C.0	4100	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WR40-0A.0	4200	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WR40-0C.0	4400	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 504-2WR40-0AJ0	5000	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 504-2WR40-0C.0	5100	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 506-2WR40-0AJ0	5400	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 506-2WR40-0C.0	5600	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 508-2WR40-0AJ0	5700	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 508-2WR40-0C.0	5900	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 566-2WR40-0C.0	7600	1060	489	777	1124	1412	489	728	1400	290	120	165	560	1462	838	1593	1483	2193	o.r.
1NA1 568-2WR40-0C.0	8000	1060	489	777	1124	1412	489	728	1400	290	120	165	560	1462	838	1593	1483	2193	o.r.
4-pole																			
1NA1 454-4WR40-0A.0	3800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-4WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR40-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR40-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR40-0A.0	4400	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR40-0C.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-4WR40-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-4WR40-0C.0	5300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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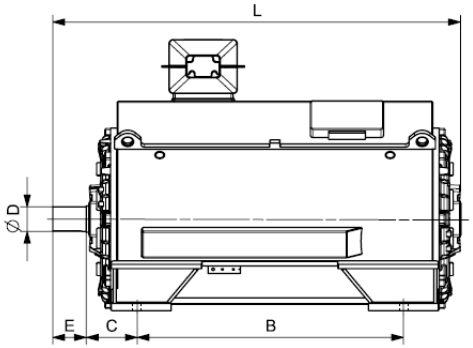


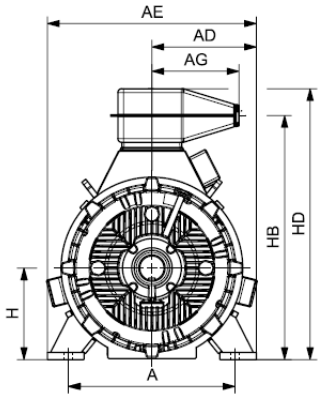


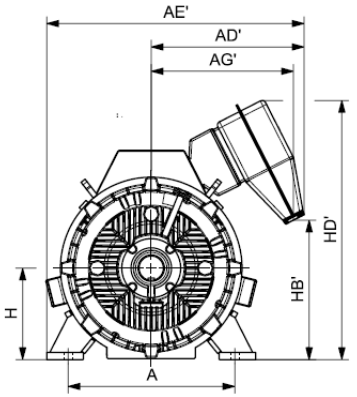


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-4WR40-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WR40-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WR40-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WR40-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 562-4WR40-0C.0	6900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 562-4WR40-0A.0	6600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR40-0A.0	7000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR40-0C.0	7300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR40-0A.0	7500	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR40-0C.0	7800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR40-0A.0	7900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR40-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
6-pole																			
1NA1 454-6WR40-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-6WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR40-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR40-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR40-0A.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR40-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 502-6WR40-0A.0	4800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 502-6WR40-0C.0	5000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR40-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR40-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WR40-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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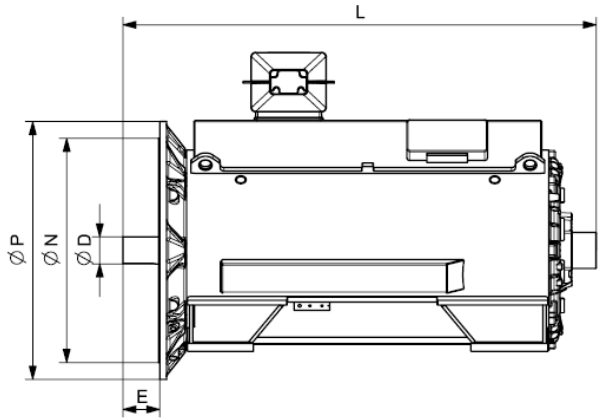


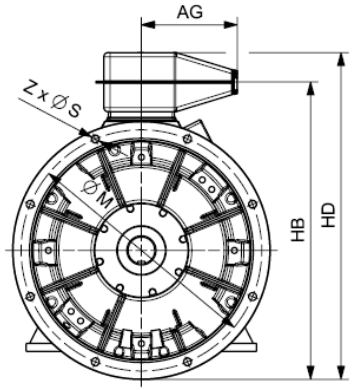




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-6WR40-0C.0	5900	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR40-0A.0	6100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR40-0C.0	6400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-6WR40-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-6WR40-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-6WR40-0C.0	8800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
8-pole																			
1NA1 454-8WR40-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-8WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR40-0A.0	4000	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR40-0C.0	4200	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR40-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR40-0C.0	4700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-8WR40-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-8WR40-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR40-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR40-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR40-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR40-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-8WR40-0C.0	7600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-8WR40-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-8WR40-0C.0	8700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

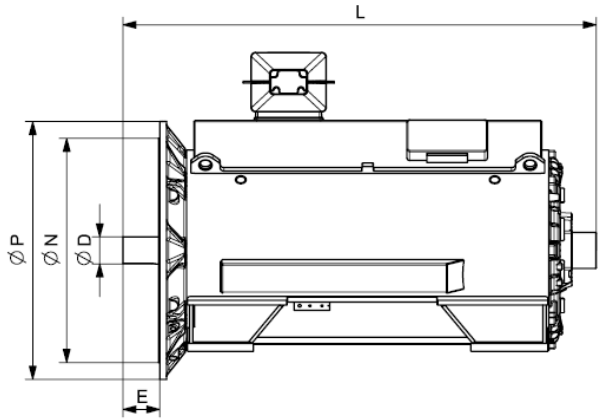
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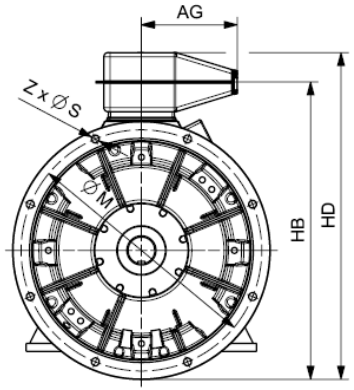




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4WR48-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WR48-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR48-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR48-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR48-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR48-0CG0	4800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WR48-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WR48-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR48-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR48-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR48-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR48-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WR48-0CG0	7100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WR48-0AG0	6800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR48-0AG0	7200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR48-0CG0	7500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR48-0AG0	7700	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR48-0CG0	8100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR48-0AG0	8100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR48-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 454-6WR48-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

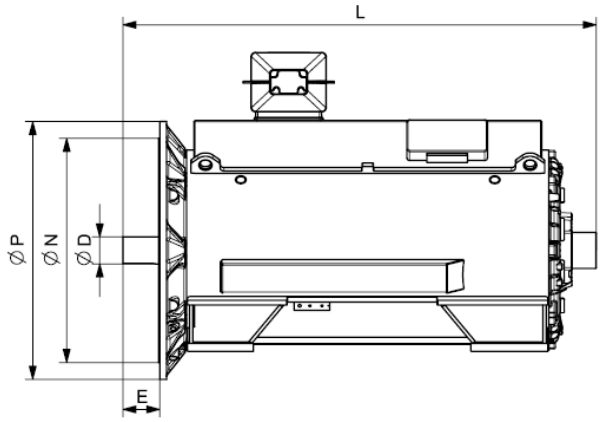
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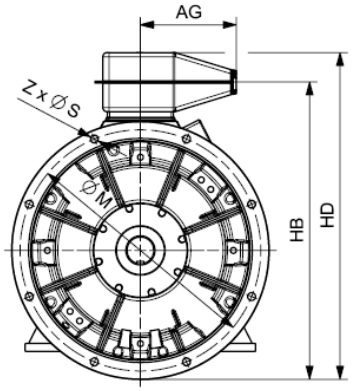




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6WR48-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR48-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR48-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR48-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR48-0CG0	5000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WR48-0AG0	5000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WR48-0CG0	5200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR48-0AG0	5400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR48-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR48-0AG0	5800	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR48-0CG0	6100	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR48-0AG0	6300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR48-0CG0	6600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WR48-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WR48-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WR48-0CG0	9100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 454-8WR48-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WR48-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR48-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR48-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR48-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR48-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8WR48-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WR48-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR48-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR48-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR48-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR48-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WR48-0CG0	7900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WR48-0CG0	8400	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WR48-0CG0	9000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

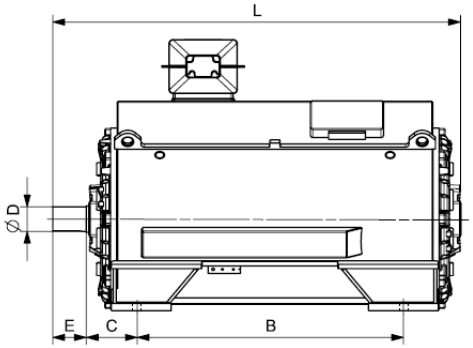
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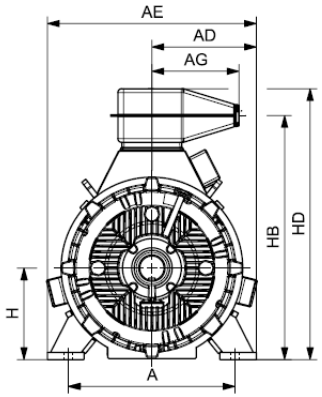
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1260	**1NA1 454-2WR30-0AJ0**	3584	97.1	0.90	200	3357	2.50	13.8	3600	955	3287	97.2	0.89	635	2871	97.2	0.88	315	2274	96.9	0.84
	1250	**1NA1 454-2WR30-0C.0**	3581	96.9	0.90	198	3333	2.20	18.7	3600	950	3285	96.9	0.89	630	2869	96.9	0.87	315	2273	96.6	0.83
	1420	**1NA1 456-2WR30-0AJ0**	3586	97.3	0.91	225	3781	2.80	15.3	3600	1075	3288	97.3	0.90	715	2871	97.3	0.88	360	2275	97.0	0.83
	1400	**1NA1 456-2WR30-0C.0**	3583	97.0	0.90	225	3731	2.40	20.6	3600	1060	3286	97.1	0.90	705	2870	97.0	0.88	355	2274	96.7	0.83
	1570	**1NA1 458-2WR30-0AJ0**	3587	97.4	0.91	245	4180	3.10	16.6	3600	1190	3289	97.4	0.90	790	2872	97.3	0.88	395	2275	96.9	0.82
	1550	**1NA1 458-2WR30-0C.0**	3584	97.2	0.91	245	4130	2.60	22.3	3600	1175	3287	97.2	0.90	785	2871	97.1	0.87	390	2274	96.6	0.81
	1870	**1NA1 504-2WR30-0CJ0**	3584	97.1	0.89	300	4982	2.30	28.9	3600	1420	3287	97.2	0.90	945	2871	97.2	0.89	470	2274	96.9	0.85
	2150	**1NA1 506-2WR30-0CJ0**	3584	97.3	0.90	340	5729	2.30	32.6	3600	1630	3287	97.4	0.90	1085	2871	97.4	0.89	540	2274	97.0	0.86
	2350	**1NA1 508-2WR30-0CJ0**	3587	97.4	0.90	370	6256	2.60	35.6	3600	1780	3289	97.4	0.90	1185	2872	97.4	0.89	590	2275	97.0	0.84
	2800	**1NA1 566-2WR30-0CJ0**	3587	97.4	0.91	440	7454	2.10	54.6	3600	2120	3289	97.4	0.91	1415	2872	97.4	0.91	705	2275	97.2	0.88
	3100	**1NA1 568-2WR30-0CJ0**	3587	97.5	0.91	485	8253	2.20	59.3	3600	2350	3290	97.6	0.91	1565	2873	97.5	0.91	780	2275	97.3	0.88
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1460	**1NA1 454-4WR30-0A.0**	1791	96.9	0.85	245	7784	2.60	21.5	2400	1105	1643	97.0	0.84	740	1435	96.9	0.80	370	1137	96.4	0.70
	1450	**1NA1 454-4WR30-0C.0**	1791	96.9	0.84	245	7731	2.10	27.6	2400	1100	1642	97.0	0.83	730	1434	96.9	0.80	365	1137	96.5	0.72
	1650	**1NA1 456-4WR30-0A.0**	1791	97.0	0.86	275	8798	2.60	24.8	2400	1250	1643	97.1	0.85	835	1435	97.0	0.81	415	1137	96.4	0.72
	1620	**1NA1 456-4WR30-0C.0**	1791	97.1	0.85	270	8638	2.20	31.7	2400	1225	1643	97.1	0.84	820	1435	97.0	0.81	410	1137	96.6	0.72
	1770	**1NA1 458-4WR30-0A.0**	1792	97.1	0.87	290	9432	2.80	27.2	2400	1340	1643	97.1	0.85	895	1435	97.0	0.81	445	1137	96.5	0.71
	1770	**1NA1 458-4WR30-0C.0**	1792	97.1	0.86	295	9432	2.30	34.8	2400	1340	1643	97.2	0.84	895	1435	97.1	0.81	445	1137	96.7	0.72
	1750	**1NA1 504-4WR30-0A.0**	1791	96.9	0.88	285	9331	2.40	32.5	2200	1325	1642	96.9	0.87	885	1434	97.0	0.85	440	1137	96.6	0.78
	1750	**1NA1 504-4WR30-0C.0**	1791	96.9	0.85	295	9331	1.90	42.4	2200	1325	1643	97.0	0.86	885	1435	97.0	0.84	440	1137	96.8	0.79
	2010	**1NA1 506-4WR30-0A.0**	1791	97.0	0.88	325	10717	2.60	37.1	2200	1525	1643	97.1	0.88	1015	1435	97.0	0.85	505	1137	96.6	0.77
	2010	**1NA1 506-4WR30-0C.0**	1792	97.1	0.86	335	10711	2.10	48.0	2200	1525	1643	97.1	0.86	1015	1435	97.1	0.84	505	1137	96.7	0.78
	2170	**1NA1 508-4WR30-0A.0**	1791	97.1	0.89	350	11570	2.60	42.4	2200	1645	1643	97.2	0.88	1095	1435	97.2	0.86	545	1137	96.8	0.79
	2170	**1NA1 508-4WR30-0C.0**	1792	97.2	0.87	355	11564	2.10	54.6	2200	1645	1643	97.2	0.87	1095	1435	97.3	0.85	545	1137	96.9	0.79
	2500	**1NA1 562-4WR30-0C.0**	1791	97.3	0.85	420	13330	1.70	72.5	2000	1895	1643	97.4	0.85	1265	1435	97.4	0.84	630	1137	97.2	0.80
	2550	**1NA1 562-4WR30-0A.0**	1791	97.3	0.86	425	13596	2.00	54.5	2000	1935	1643	97.4	0.86	1290	1435	97.3	0.85	645	1137	97.1	0.79
	2800	**1NA1 564-4WR30-0A.0**	1792	97.4	0.87	460	14921	2.10	59.9	2000	2120	1644	97.5	0.87	1415	1435	97.4	0.85	705	1137	97.1	0.80
	2770	**1NA1 564-4WR30-0C.0**	1792	97.5	0.86	460	14761	1.80	79.4	2000	2100	1643	97.5	0.86	1400	1435	97.5	0.85	700	1137	97.2	0.80
	3100	**1NA1 566-4WR30-0A.0**	1792	97.5	0.88	500	16519	2.20	66.7	2000	2350	1644	97.5	0.88	1565	1436	97.5	0.86	780	1137	97.1	0.80
	3050	**1NA1 566-4WR30-0C.0**	1792	97.6	0.87	500	16253	1.90	88.0	2000	2310	1644	97.6	0.87	1540	1436	97.5	0.85	770	1137	97.2	0.80
	3400	**1NA1 568-4WR30-0A.0**	1793	97.7	0.89	540	18108	2.40	73.4	2000	2575	1645	97.6	0.88	1715	1436	97.4	0.85	855	1138	96.9	0.78
	3400	**1NA1 568-4WR30-0C.0**	1793	97.7	0.88	550	18108	2.10	96.7	2000	2575	1644	97.7	0.87	1715	1436	97.6	0.85	855	1138	97.1	0.79
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1070	**1NA1 454-6WR30-0A.0**	1191	96.3	0.80	192	8579	1.70	31.8	2200	810	1093	96.4	0.80	540	955	96.5	0.80	270	757	96.2	0.73

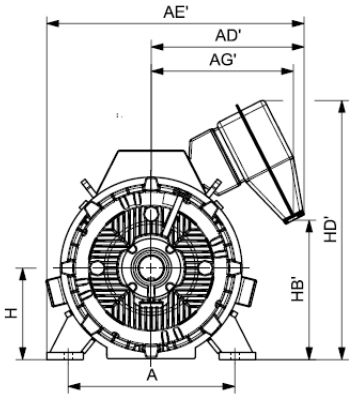
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SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	1100	**1NA1 454-6WR30-0C.0**	1191	96.4	0.84	188	8820	1.80	41.0	2200	835	1093	96.5	0.84	555	955	96.6	0.82	280	757	96.2	0.75
	1250	**1NA1 456-6WR30-0A.0**	1192	96.5	0.80	225	10014	1.80	36.9	2200	950	1094	96.6	0.80	630	956	96.6	0.79	315	757	96.2	0.71
	1270	**1NA1 456-6WR30-0C.0**	1192	96.6	0.84	215	10174	2.00	47.3	2200	965	1094	96.7	0.83	640	956	96.7	0.81	320	757	96.2	0.73
	1460	**1NA1 458-6WR30-0A.0**	1192	96.7	0.81	260	11696	1.90	43.6	2200	1105	1094	96.7	0.81	740	956	96.8	0.80	370	757	96.3	0.71
	1500	**1NA1 458-6WR30-0C.0**	1193	96.8	0.84	255	12007	2.00	55.7	2200	1140	1094	96.8	0.84	760	956	96.8	0.82	380	757	96.3	0.73
	1500	**1NA1 502-6WR30-0A.0**	1190	96.5	0.82	265	12037	1.70	52.8	2100	1140	1092	96.8	0.83	760	955	97.0	0.84	380	757	96.9	0.79
	1560	**1NA1 502-6WR30-0C.0**	1192	96.8	0.85	265	12497	1.60	67.5	2100	1185	1094	97.0	0.86	790	956	97.2	0.86	395	757	97.1	0.81
	1700	**1NA1 504-6WR30-0A.0**	1191	96.7	0.84	290	13630	1.80	59.7	2100	1290	1093	97.0	0.85	860	955	97.1	0.85	430	757	97.0	0.80
	1760	**1NA1 504-6WR30-0C.0**	1193	96.9	0.86	295	14088	1.60	76.1	2100	1335	1094	97.2	0.87	890	956	97.3	0.87	445	757	97.2	0.82
	1850	**1NA1 506-6WR30-0A.0**	1192	96.8	0.85	310	14821	2.00	67.3	2100	1400	1094	97.0	0.86	935	955	97.1	0.85	465	757	96.9	0.78
	1910	**1NA1 506-6WR30-0C.0**	1194	97.0	0.87	315	15276	1.80	85.6	2100	1450	1095	97.2	0.87	965	956	97.3	0.87	480	758	97.1	0.80
	2050	**1NA1 508-6WR30-0A.0**	1192	96.9	0.86	340	16423	2.00	76.4	2100	1555	1094	97.1	0.86	1035	955	97.2	0.85	520	757	97.0	0.79
	2150	**1NA1 508-6WR30-0C.0**	1194	97.1	0.87	355	17195	1.80	96.7	2100	1630	1095	97.3	0.87	1085	956	97.4	0.87	540	758	97.2	0.81
	2430	**1NA1 564-6WR30-0C.0**	1193	97.3	0.87	400	19451	2.00	136.7	2000	1845	1095	97.5	0.88	1230	956	97.6	0.88	615	758	97.4	0.82
	2650	**1NA1 566-6WR30-0C.0**	1194	97.4	0.87	435	21194	2.00	151.9	2000	2010	1095	97.6	0.88	1340	956	97.6	0.88	670	758	97.4	0.82
	2920	**1NA1 568-6WR30-0C.0**	1195	97.5	0.88	470	23334	2.30	167.0	2000	2215	1096	97.6	0.88	1475	957	97.6	0.87	735	758	97.2	0.80
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	900	**1NA1 454-8WR30-0A.0**	892	96.0	0.78	166	9635	1.70	32.0	2200	685	819	96.2	0.78	455	715	96.3	0.76	225	567	95.9	0.66
	920	**1NA1 454-8WR30-0C.0**	893	96.1	0.80	166	9838	1.80	41.1	2200	700	819	96.2	0.80	465	716	96.2	0.77	230	567	95.7	0.68
	1000	**1NA1 456-8WR30-0A.0**	892	96.1	0.79	182	10705	1.70	37.1	2200	760	818	96.3	0.79	505	715	96.4	0.78	255	567	96.0	0.70
	1050	**1NA1 456-8WR30-0C.0**	892	96.1	0.81	188	11241	1.60	47.4	2200	795	819	96.3	0.81	530	715	96.3	0.79	265	567	95.9	0.71
	1200	**1NA1 458-8WR30-0A.0**	892	96.3	0.79	220	12847	1.80	43.9	2200	910	819	96.5	0.79	605	716	96.5	0.77	305	567	96.0	0.68
	1210	**1NA1 458-8WR30-0C.0**	893	96.4	0.81	215	12939	1.80	55.9	2200	920	820	96.5	0.80	610	716	96.4	0.78	305	568	95.9	0.68
	1240	**1NA1 504-8WR30-0A.0**	893	96.0	0.80	225	13260	1.70	58.9	2100	940	819	96.1	0.80	625	716	96.3	0.78	315	568	95.9	0.71
	1290	**1NA1 504-8WR30-0C.0**	894	96.1	0.85	220	13779	1.90	75.7	2100	980	820	96.1	0.84	650	716	96.2	0.81	325	568	95.7	0.73
	1400	**1NA1 506-8WR30-0A.0**	893	96.2	0.81	250	14971	1.70	66.4	2100	1060	820	96.2	0.81	710	716	96.4	0.79	355	568	96.0	0.71
	1430	**1NA1 506-8WR30-0C.0**	894	96.2	0.85	245	15275	2.00	85.2	2100	1085	820	96.2	0.84	725	716	96.3	0.81	360	568	95.8	0.73
	1500	**1NA1 508-8WR30-0A.0**	893	96.2	0.81	265	16040	1.70	75.3	2100	1140	819	96.3	0.81	760	716	96.5	0.80	380	568	96.0	0.74
	1560	**1NA1 508-8WR30-0C.0**	894	96.3	0.85	265	16663	1.90	96.4	2100	1185	820	96.3	0.85	790	716	96.4	0.83	395	568	95.8	0.76
	1820	**1NA1 564-8WR30-0C.0**	894	96.8	0.85	305	19440	1.80	136.4	2000	1380	820	97.0	0.85	920	716	97.1	0.84	460	568	96.8	0.77
	2080	**1NA1 566-8WR30-0C.0**	894	96.9	0.85	350	22218	1.90	151.7	2000	1580	821	97.1	0.85	1050	717	97.1	0.84	525	568	96.8	0.75
	2370	**1NA1 568-8WR30-0C.0**	894	97.0	0.85	400	25315	1.80	167.0	2000	1795	820	97.2	0.85	1200	717	97.2	0.84	600	568	97.0	0.77

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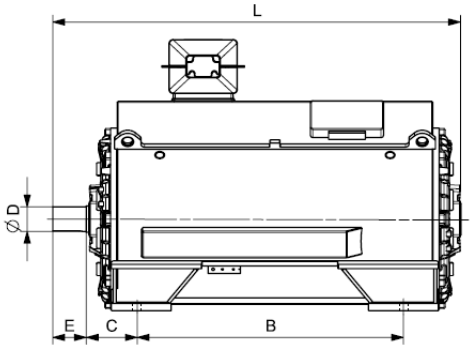


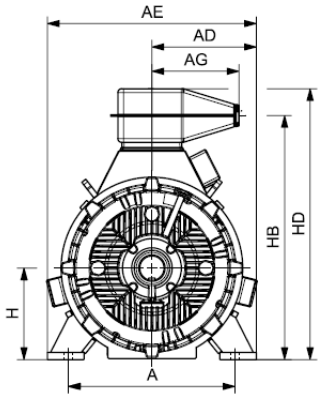


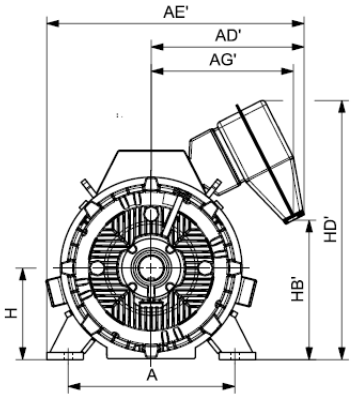


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2WR30-0AJ0	3700	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 454-2WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WR30-0AJ0	4000	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 456-2WR30-0C.0	4100	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WR30-0AJ0	4200	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 458-2WR30-0C.0	4400	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 504-2WR30-0CJ0	5100	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 506-2WR30-0CJ0	5600	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 508-2WR30-0CJ0	5800	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 566-2WR30-0CJ0	7300	1060	489	777	1124	1412	489	728	1400	560	120	165	560	1462	838	1593	1483	2577	o.r.
1NA1 568-2WR30-0CJ0	7800	1060	489	777	1124	1412	489	728	1400	560	120	165	560	1462	838	1593	1483	2577	o.r.
4-pole																			
1NA1 454-4WR30-0A.0	3800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-4WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR30-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR30-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR30-0A.0	4400	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR30-0C.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-4WR30-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-4WR30-0C.0	5300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WR30-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WR30-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WR30-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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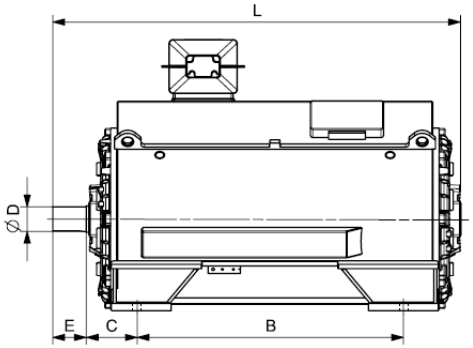


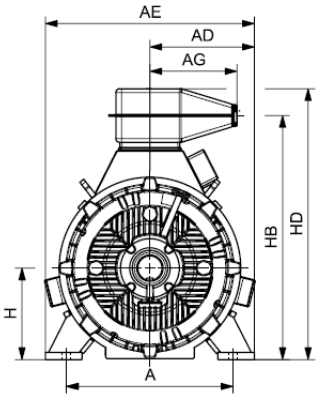


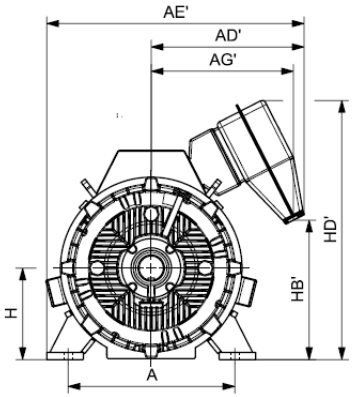


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4WR30-0C.0	6200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 562-4WR30-0C.0	6900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 562-4WR30-0A.0	6600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR30-0A.0	7000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR30-0C.0	7300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR30-0A.0	7400	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR30-0C.0	7800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR30-0A.0	8000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR30-0C.0	8400	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
6-pole																			
1NA1 454-6WR30-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-6WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR30-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR30-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR30-0A.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR30-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 502-6WR30-0A.0	4900	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 502-6WR30-0C.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR30-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR30-0C.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WR30-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WR30-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR30-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR30-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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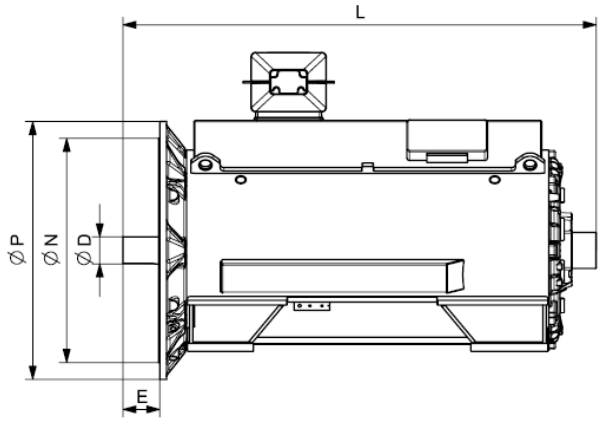


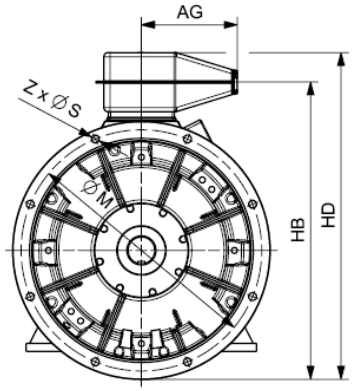




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 564-6WR30-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-6WR30-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-6WR30-0C.0	8900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
8-pole																			
1NA1 454-8WR30-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-8WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR30-0A.0	4000	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR30-0C.0	4200	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR30-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR30-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-8WR30-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-8WR30-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR30-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR30-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR30-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR30-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-8WR30-0C.0	7600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-8WR30-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-8WR30-0C.0	8800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

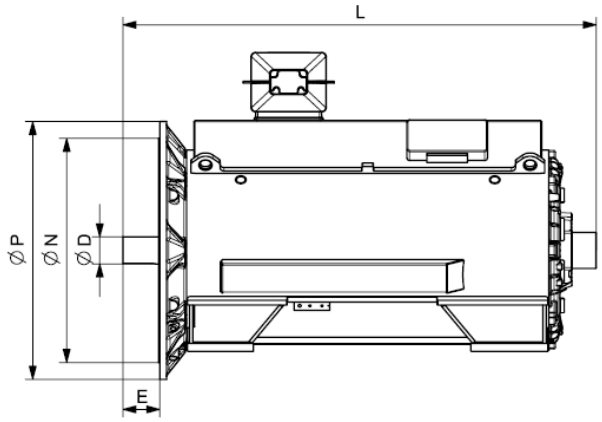
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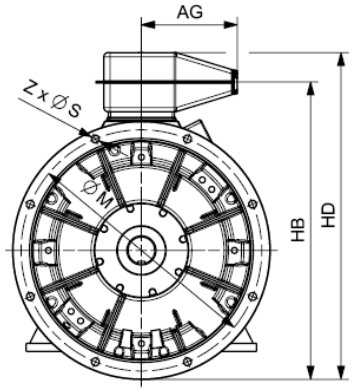




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4WR38-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WR38-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR38-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR38-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR38-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR38-0CG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WR38-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WR38-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR38-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR38-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR38-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR38-0CG0	6400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WR38-0CG0	7100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WR38-0AG0	6800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR38-0AG0	7200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR38-0CG0	7500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR38-0AG0	7700	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR38-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR38-0AG0	8200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR38-0CG0	8600	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 454-6WR38-0AG0	3800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

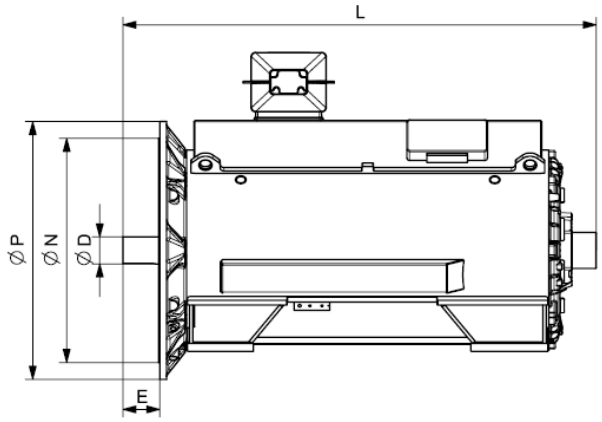
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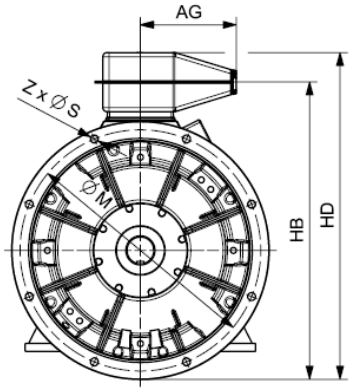




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6WR38-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR38-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR38-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR38-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR38-0CG0	5000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WR38-0AG0	5000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WR38-0CG0	5200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR38-0AG0	5400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR38-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR38-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR38-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR38-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR38-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WR38-0CG0	7900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WR38-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WR38-0CG0	9100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 454-8WR38-0AG0	3800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WR38-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR38-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR38-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR38-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR38-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8WR38-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WR38-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR38-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR38-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR38-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR38-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WR38-0CG0	7800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WR38-0CG0	8400	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WR38-0CG0	9000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - Square-law torque drive																							
640	640	**1NB1 402-2AC00-4A.0**	2983	96.6	0.93	600	2049	4.10	10.0	3600	545	2685	96.5	0.91	370	2388	96.5	0.88	180	1853	96.0	0.81
610	610	**1NB1 402-2AC00-4C.0**	2984	96.5	0.92	570	1952	4.20	12.3	3600	515	2686	96.4	0.91	350	2389	96.3	0.87	170	1853	95.6	0.79
670	660	**1NB1 404-2AC00-4A.0**	2983	96.7	0.94	620	2145	4.30	11.0	3600	560	2685	96.6	0.93	380	2388	96.5	0.89	185	1853	96.0	0.83
630	630	**1NB1 404-2AC00-4C.0**	2984	96.6	0.94	580	2016	4.50	13.5	3600	530	2686	96.4	0.92	360	2389	96.3	0.88	175	1853	95.6	0.81
750	750	**1NB1 406-2AC00-4A.0**	2984	96.9	0.94	690	2400	4.40	12.2	3600	635	2686	96.8	0.92	430	2389	96.7	0.89	210	1853	96.2	0.82
750	750	**1NB1 406-2AC00-4C.0**	2985	96.8	0.93	700	2399	4.30	14.9	3600	630	2686	96.6	0.92	430	2390	96.6	0.88	210	1854	95.9	0.81
900	790	**1NB1 452-2AC00-4A.0**	2984	96.9	0.93	840	2880	2.90	12.6	3600	670	2688	97.0	0.92	455	2391	97.0	0.89	220	1854	96.8	0.84
900	790	**1NB1 452-2AC00-4C.0**	2984	96.8	0.93	840	2880	2.80	17.1	3600	670	2688	96.9	0.92	455	2391	96.9	0.89	220	1854	96.6	0.84
900	880	**1NB1 454-2AC00-4A.0**	2985	97.0	0.94	830	2879	3.10	14.1	3600	745	2687	97.0	0.93	505	2390	97.1	0.91	245	1854	96.9	0.87
850	860	**1NB1 454-2AC00-4C.0**	2986	97.0	0.94	780	2718	3.20	19.0	3600	720	2688	96.9	0.93	490	2391	96.9	0.91	240	1854	96.7	0.87
1010	1010	**1NB1 456-2AC00-4A.0**	2987	97.3	0.94	920	3229	3.80	15.5	3600	855	2689	97.2	0.93	580	2391	97.3	0.91	285	1855	97.0	0.86
1010	1010	**1NB1 456-2AC00-4C.0**	2988	97.3	0.94	920	3228	3.60	20.9	3600	855	2689	97.1	0.93	580	2392	97.1	0.91	285	1855	96.8	0.86
1010	1010	**1NB1 502-2AC00-4C.0**	2987	96.6	0.90	970	3229	3.20	27.1	3000	855	2689	96.5	0.90	580	2392	96.4	0.88	285	1855	95.6	0.83
1150	1010	**1NB1 502-2AC00-4A.0**	2984	96.7	0.89	1120	3680	2.80	20.9	3000	855	2688	96.7	0.89	580	2391	96.7	0.87	285	1854	96.1	0.83
1420	1250	**1NB1 504-2AC00-4A.0**	2987	97.0	0.90	1360	4540	3.40	23.3	3000	1055	2690	96.9	0.89	715	2392	96.9	0.87	350	1855	96.1	0.81
1280	1280	**1NB1 504-2AC00-4C.0**	2989	96.9	0.91	1220	4089	3.70	30.0	3000	1080	2690	96.8	0.90	730	2393	96.6	0.87	360	1855	95.7	0.81
1500	1320	**1NB1 506-2AC00-4A.0**	2987	97.0	0.91	1420	4795	3.70	26.4	3000	1115	2690	97.0	0.91	755	2392	96.9	0.88	370	1855	96.1	0.83
1500	1320	**1NB1 506-2AC00-4C.0**	2988	96.9	0.92	1400	4794	3.40	33.7	3000	1115	2691	96.8	0.91	755	2393	96.6	0.88	370	1856	95.7	0.82
1670	1470	**1NB1 564-2AC00-4C.0**	2991	97.0	0.91	1580	5332	3.30	50.0	3000	1240	2693	96.8	0.90	845	2395	96.6	0.87	410	1857	95.7	0.80
1630	1630	**1NB1 566-2AC00-4C.0**	2992	97.2	0.92	1520	5202	3.60	55.2	3000	1375	2693	96.9	0.91	935	2395	96.8	0.89	455	1857	95.9	0.83
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - Square-law torque drive																							
710	710	**1NB1 404-4AC00-4A.0**	1492	96.5	0.88	700	4544	3.90	15.6	2600	595	1343	96.0	0.87	405	1195	95.8	0.82	195	927	94.4	0.72
710	710	**1NB1 404-4AC00-4C.0**	1491	96.6	0.88	700	4547	3.40	19.8	2600	595	1342	96.2	0.87	405	1194	96.1	0.83	195	926	95.1	0.73
750	750	**1NB1 406-4AC00-4A.0**	1493	96.6	0.88	740	4797	4.30	17.4	2600	630	1344	96.0	0.86	430	1195	95.7	0.82	210	927	94.2	0.70
740	740	**1NB1 406-4AC00-4C.0**	1492	96.7	0.88	730	4736	3.80	22.1	2600	625	1343	96.3	0.87	425	1195	96.1	0.82	205	927	94.9	0.72
900	880	**1NB1 452-4AC00-4A.0**	1492	96.8	0.89	870	5760	3.10	24.0	2400	745	1343	96.5	0.88	505	1194	96.4	0.85	245	927	95.7	0.77
820	820	**1NB1 452-4AC00-4C.0**	1492	96.7	0.88	810	5248	3.10	30.9	2400	690	1343	96.5	0.87	470	1195	96.4	0.83	230	927	95.6	0.75
1010	1010	**1NB1 454-4AC00-4A.0**	1492	96.9	0.90	970	6464	3.30	26.4	2400	855	1343	96.6	0.88	580	1195	96.5	0.85	285	927	95.8	0.77
980	980	**1NB1 454-4AC00-4C.0**	1492	96.9	0.89	950	6272	3.10	33.9	2400	825	1343	96.6	0.87	560	1195	96.5	0.84	275	927	95.8	0.76
1070	1060	**1NB1 456-4AC00-4C.0**	1493	97.0	0.89	1040	6844	3.30	39.0	2400	895	1344	96.7	0.88	605	1195	96.6	0.84	295	927	95.8	0.76
1070	1060	**1NB1 456-4AC00-4A.0**	1493	97.0	0.90	1020	6844	3.70	30.5	2400	895	1343	96.7	0.88	605	1195	96.5	0.85	295	927	95.6	0.76
1010	1010	**1NB1 502-4AC00-4C.0**	1493	96.3	0.87	1000	6460	2.90	37.3	2200	855	1344	96.2	0.86	580	1195	96.1	0.82	285	927	95.2	0.73
1000	990	**1NB1 502-4AC00-4A.0**	1493	96.2	0.87	1000	6396	3.70	28.4	2200	835	1344	96.0	0.85	565	1195	95.8	0.81	275	927	94.7	0.70
1250	1250	**1NB1 504-4AC00-4C.0**	1493	96.6	0.86	1260	7995	2.60	42.4	2200	1055	1343	96.5	0.86	715	1195	96.4	0.83	350	927	95.6	0.76

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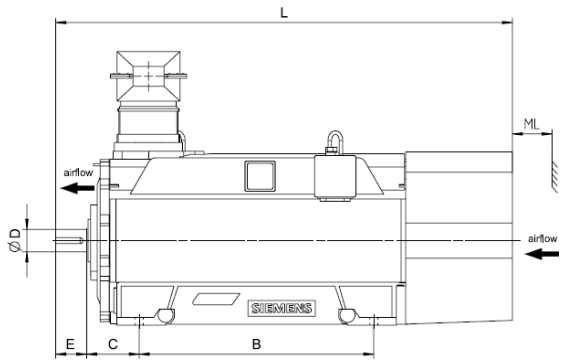
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																						
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive										
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1250	1250	**1NB1 504-4AC00-4A.0**	1492	96.6	0.87	1240	8000	3.30	32.5	2200	1055	1343	96.3	0.86	720	1195	96.2	0.83	350	927	95.2	0.74
1450	1280	**1NB1 506-4AC00-4A.0**	1492	96.5	0.89	1420	9280	3.20	37.0	2200	1080	1344	96.3	0.88	730	1195	96.1	0.84	360	927	95.0	0.75
1450	1280	**1NB1 506-4AC00-4C.0**	1492	96.6	0.88	1420	9280	2.50	48.0	2200	1080	1344	96.5	0.87	730	1196	96.3	0.84	360	927	95.4	0.76
1600	1410	**1NB1 562-4AC00-4A.0**	1493	96.4	0.89	1560	10234	2.70	54.5	2000	1190	1344	96.4	0.87	810	1196	96.3	0.85	395	927	95.5	0.77
1600	1410	**1NB1 562-4AC00-4C.0**	1492	96.5	0.88	1580	10241	2.30	72.4	2000	1190	1344	96.5	0.87	810	1196	96.4	0.85	395	927	95.7	0.78
1700	1670	**1NB1 564-4AC00-4A.0**	1494	96.9	0.89	1640	10866	3.00	59.9	2000	1415	1344	96.6	0.88	960	1196	96.5	0.85	470	927	95.6	0.77
1700	1670	**1NB1 564-4AC00-4C.0**	1493	96.9	0.88	1660	10873	2.60	79.3	2000	1415	1344	96.7	0.87	960	1196	96.6	0.85	470	927	95.8	0.78
1720	1720	**1NB1 566-4AC00-4A.0**	1494	96.9	0.90	1660	10994	3.10	66.6	2000	1450	1344	96.7	0.89	985	1196	96.5	0.86	480	927	95.7	0.79
1720	1720	**1NB1 566-4AC00-4C.0**	1494	97.0	0.89	1660	10994	2.70	88.0	2000	1450	1344	96.7	0.88	985	1196	96.6	0.86	480	927	95.8	0.80
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - Square-law torque drive																						
530	530	**1NB1 404-6AC00-4A.0**	996	96.2	0.86	540	5081	4.10	25.9	2400	445	896	95.5	0.84	305	797	95.0	0.79	150	618	92.8	0.67
560	560	**1NB1 404-6AC00-4C.0**	995	96.4	0.86	570	5374	3.30	33.3	2400	470	895	96.0	0.85	320	796	95.7	0.81	155	618	94.4	0.71
560	560	**1NB1 406-6AC00-4A.0**	996	96.2	0.86	570	5369	4.40	29.6	2400	470	897	95.4	0.83	320	797	94.8	0.78	155	618	92.5	0.65
600	590	**1NB1 406-6AC00-4C.0**	995	96.5	0.87	600	5758	3.60	38.1	2400	500	896	96.0	0.85	340	797	95.7	0.80	165	618	94.2	0.70
710	710	**1NB1 452-6AC00-4A.0**	994	96.4	0.84	730	6821	3.20	34.8	2200	595	895	95.9	0.83	405	796	95.7	0.79	200	618	94.4	0.69
710	710	**1NB1 452-6AC00-4C.0**	993	96.5	0.84	730	6828	2.80	43.4	2200	595	894	96.1	0.83	405	796	96.1	0.81	200	617	95.1	0.72
800	800	**1NB1 454-6AC00-4A.0**	994	96.5	0.85	820	7686	3.30	39.5	2200	675	895	96.0	0.83	460	796	95.8	0.80	225	618	94.5	0.69
800	800	**1NB1 454-6AC00-4C.0**	994	96.7	0.85	810	7686	2.90	49.1	2200	680	894	96.2	0.84	460	796	96.2	0.81	225	617	95.2	0.72
800	800	**1NB1 456-6AC00-4A.0**	996	96.5	0.83	840	7670	4.40	45.8	2200	675	896	95.7	0.80	460	797	95.3	0.74	225	618	93.5	0.60
850	840	**1NB1 456-6AC00-4C.0**	995	96.7	0.84	880	8158	3.60	56.7	2200	705	896	96.2	0.82	480	797	96.0	0.77	235	618	94.6	0.65
900	880	**1NB1 500-6AC00-4C.0**	994	96.4	0.86	910	8646	2.10	59.8	2100	745	895	96.4	0.86	505	796	96.3	0.85	245	618	95.6	0.78
810	810	**1NB1 500-6AC00-4A.0**	993	96.3	0.84	840	7789	2.40	46.5	2100	685	894	96.1	0.84	465	795	96.0	0.82	225	617	95.0	0.74
1010	1010	**1NB1 502-6AC00-4A.0**	993	96.5	0.83	1060	9713	2.50	52.7	2100	855	894	96.4	0.83	580	795	96.3	0.82	285	617	95.4	0.74
1070	1080	**1NB1 502-6AC00-4C.0**	994	96.7	0.86	1080	10279	2.20	67.5	2100	910	895	96.6	0.86	615	796	96.6	0.84	300	618	95.9	0.77
1110	1110	**1NB1 504-6AC00-4C.0**	995	96.7	0.87	1100	10653	2.20	76.1	2100	940	895	96.6	0.87	635	796	96.6	0.85	310	618	95.8	0.78
1070	1060	**1NB1 504-6AC00-4A.0**	993	96.5	0.85	1100	10290	2.40	59.7	2100	895	894	96.4	0.85	605	796	96.3	0.84	295	617	95.3	0.76
1250	1230	**1NB1 506-6AC00-4C.0**	995	96.8	0.87	1240	11997	2.40	85.6	2100	1040	896	96.7	0.87	705	797	96.6	0.84	345	618	95.5	0.76
1250	1230	**1NB1 506-6AC00-4A.0**	993	96.6	0.86	1260	12021	2.60	67.3	2100	1040	894	96.4	0.85	710	796	96.3	0.83	345	617	95.1	0.75
1610	1420	**1NB1 562-6AC00-4C.0**	994	96.9	0.87	1600	15467	2.30	120.2	2000	1200	895	96.9	0.87	815	797	96.9	0.86	395	618	96.0	0.79
1725	1720	**1NB1 564-6AC00-4C.0**	995	97.2	0.87	1700	16555	2.70	136.7	2000	1450	896	97.0	0.87	985	797	96.9	0.86	480	618	95.8	0.78
1860	1860	**1NB1 566-6AC00-4C.0**	996	97.3	0.86	1860	17833	3.30	151.8	2000	1570	897	96.9	0.85	1065	797	96.7	0.82	520	618	95.3	0.71
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - Square-law torque drive																						
430	430	**1NB1 404-8AC00-4A.0**	745	95.9	0.82	460	5512	3.40	26.7	2400	365	670	95.1	0.79	250	596	94.7	0.73	120	463	92.4	0.61
430	430	**1NB1 404-8AC00-4C.0**	744	95.8	0.81	465	5519	2.90	32.9	2400	365	669	95.3	0.79	250	596	95.0	0.74	120	462	93.3	0.63
460	460	**1NB1 406-8AC00-4A.0**	746	95.7	0.77	520	5888	4.40	30.6	2400	385	671	94.5	0.73	265	597	93.7	0.65	130	463	90.4	0.50

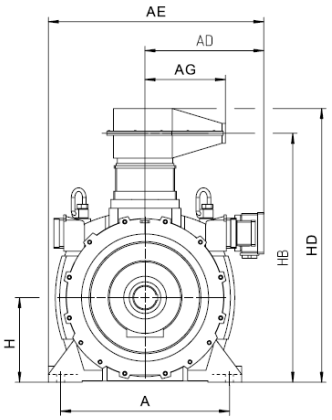
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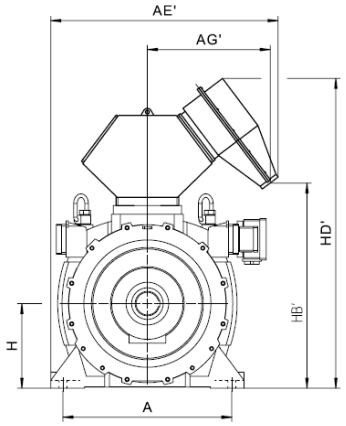
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque

Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
460	460	**1NB1 406-8AC00-4C.0**	745	95.9	0.78	510	5896	3.70	37.6	2400	385	671	95.1	0.74	265	597	94.5	0.67	130	463	92.0	0.53
630	560	**1NB1 452-8AC00-4A.0**	743	95.6	0.78	710	8097	2.30	35.1	2200	470	670	95.2	0.77	320	596	95.0	0.74	155	463	93.5	0.63
630	560	**1NB1 452-8AC00-4C.0**	741	95.5	0.79	700	8119	2.30	43.0	2200	470	668	95.3	0.77	320	595	95.2	0.75	155	462	94.0	0.65
630	640	**1NB1 454-8AC00-4A.0**	744	95.9	0.79	700	8086	2.70	39.9	2200	535	670	95.3	0.78	365	596	95.0	0.74	180	463	93.4	0.63
630	630	**1NB1 454-8AC00-4C.0**	743	95.9	0.79	700	8097	2.80	48.8	2200	530	669	95.4	0.78	360	595	95.2	0.75	175	462	93.9	0.65
670	660	**1NB1 456-8AC00-4A.0**	745	96.0	0.79	740	8588	3.10	46.4	2200	560	671	95.2	0.77	380	597	94.8	0.72	185	463	92.8	0.59
670	660	**1NB1 456-8AC00-4C.0**	744	96.0	0.79	740	8600	3.20	56.4	2200	560	670	95.4	0.78	380	596	95.1	0.73	185	463	93.5	0.61
810	710	**1NB1 502-8AC00-4C.0**	744	95.7	0.85	830	10396	2.00	67.0	2100	605	670	95.6	0.83	410	596	95.6	0.80	200	463	94.5	0.71
800	710	**1NB1 502-8AC00-4A.0**	743	95.6	0.80	880	10282	1.70	52.0	2100	595	670	95.7	0.79	405	596	95.8	0.77	200	463	94.9	0.70
850	840	**1NB1 504-8AC00-4A.0**	744	96.0	0.80	930	10910	2.00	58.8	2100	710	670	95.8	0.80	480	596	95.9	0.77	235	463	94.8	0.68
840	850	**1NB1 504-8AC00-4C.0**	745	96.0	0.84	870	10767	2.40	75.6	2100	715	670	95.7	0.83	485	597	95.6	0.79	235	463	94.4	0.70
850	860	**1NB1 506-8AC00-4A.0**	745	96.1	0.81	910	10895	2.50	66.4	2100	720	671	95.8	0.79	490	597	95.7	0.75	240	463	94.2	0.64
900	880	**1NB1 506-8AC00-4C.0**	746	96.0	0.84	930	11521	2.70	85.1	2100	745	671	95.7	0.82	505	597	95.4	0.77	245	463	93.8	0.66
1120	1100	**1NB1 562-8AC00-4C.0**	745	96.7	0.84	1160	14356	2.20	119.6	2000	930	671	96.4	0.84	630	597	96.3	0.82	310	463	95.2	0.72
1285	1280	**1NB1 564-8AC00-4C.0**	745	96.8	0.84	1320	16471	2.30	136.3	2000	1080	671	96.6	0.84	735	597	96.4	0.82	360	463	95.3	0.72
1335	1330	**1NB1 566-8AC00-4C.0**	745	96.9	0.85	1360	17112	2.30	151.7	2000	1125	671	96.6	0.85	765	597	96.5	0.82	375	463	95.3	0.73

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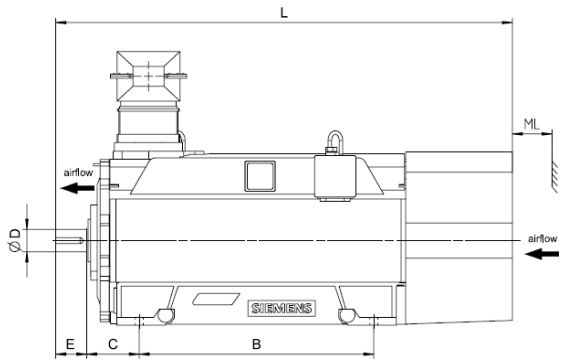


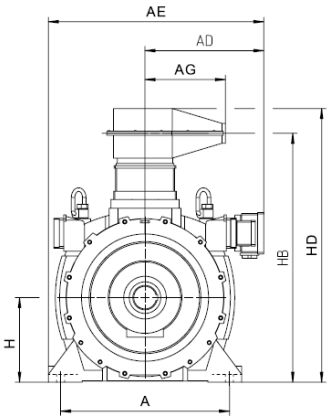


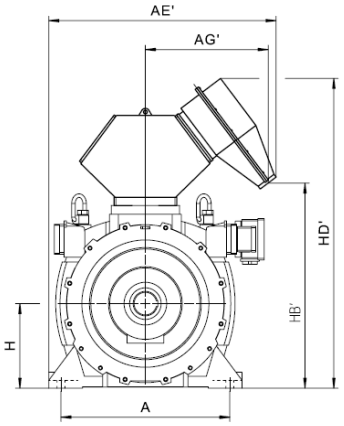


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 402-2AC00-4A.0	3800	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 402-2AC00-4C.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC00-4A.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC00-4C.0	4000	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC00-4A.0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC00-4C.0	4200	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 452-2AC00-4A.0	4800	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 452-2AC00-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 454-2AC00-4A.0	5000	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 454-2AC00-4C.0	5200	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 456-2AC00-4A.0	5300	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 456-2AC00-4C.0	5500	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 502-2AC00-4C.0	6500	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 502-2AC00-4A.0	6400	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 504-2AC00-4A.0	6700	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 504-2AC00-4C.0	6800	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 506-2AC00-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 506-2AC00-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 564-2AC00-4C.0	8800	1120	684	831	1319	1466	371	719	1400	335	120	165	560	1682	1447	1847	2031	2628	225
1NB1 566-2AC00-4C.0	9200	1120	684	831	1319	1466	371	719	1400	335	120	165	560	1682	1447	1847	2031	2628	225
4-pole																			
1NB1 404-4AC00-4A.0	4000	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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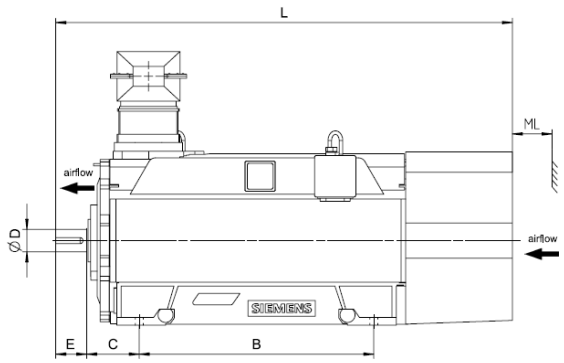


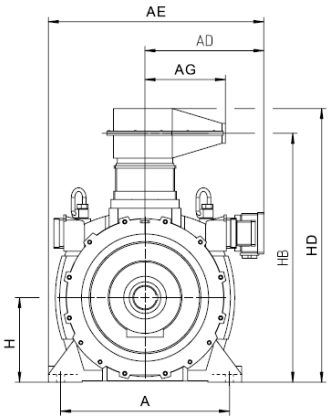


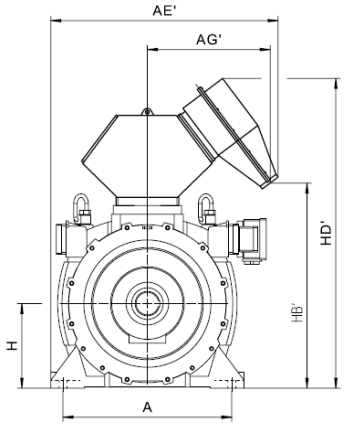


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 404-4AC00-4C.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC00-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC00-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-4AC00-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-4AC00-4C.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC00-4A.0	5200	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC00-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC00-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC00-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-4AC00-4C.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-4AC00-4A.0	6400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC00-4C.0	7100	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC00-4A.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC00-4A.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC00-4C.0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-4AC00-4A.0	8600	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 562-4AC00-4C.0	8900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC00-4A.0	9100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC00-4C.0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC00-4A.0	9600	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC00-4C.0	10000	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
6-pole																			
1NB1 404-6AC00-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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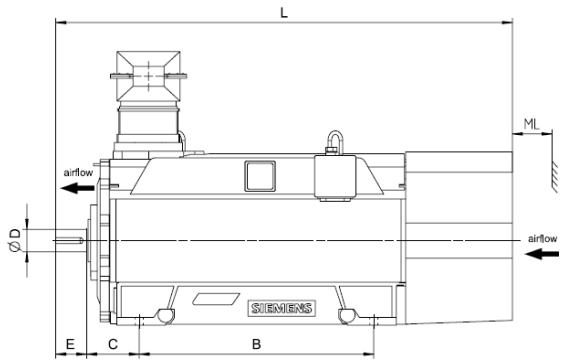


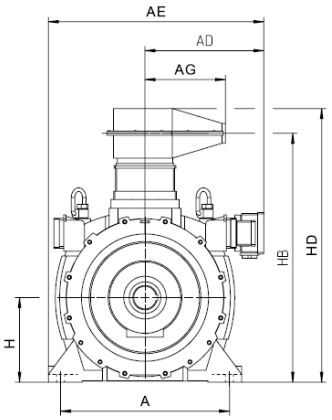


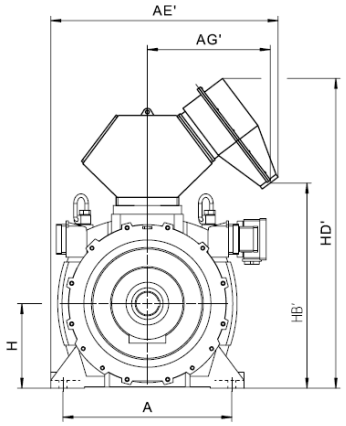


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 404-6AC00-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC00-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC00-4C.0	4600	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-6AC00-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-6AC00-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC00-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC00-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC00-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC00-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 500-6AC00-4C.0	6500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 500-6AC00-4A.0	6300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC00-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC00-4C.0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC00-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC00-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC00-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC00-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-6AC00-4C.0	9200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-6AC00-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-6AC00-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
8-pole																			
1NB1 404-8AC00-4A.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-8AC00-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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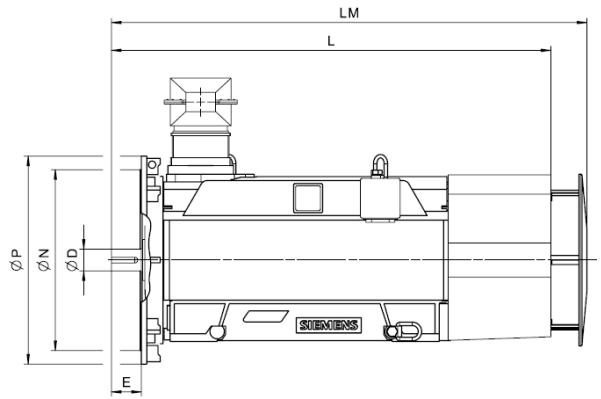


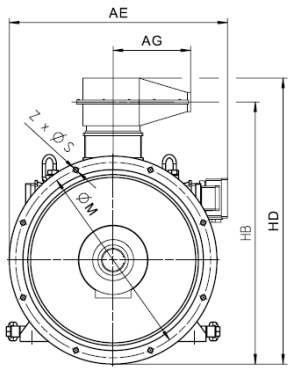


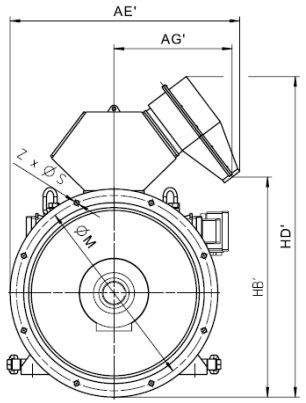


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 406-8AC00-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-8AC00-4C.0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-8AC00-4A.0	4800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-8AC00-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC00-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC00-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC00-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC00-4C.0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-8AC00-4C.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-8AC00-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC00-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC00-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC00-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC00-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-8AC00-4C.0	9300	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-8AC00-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-8AC00-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225

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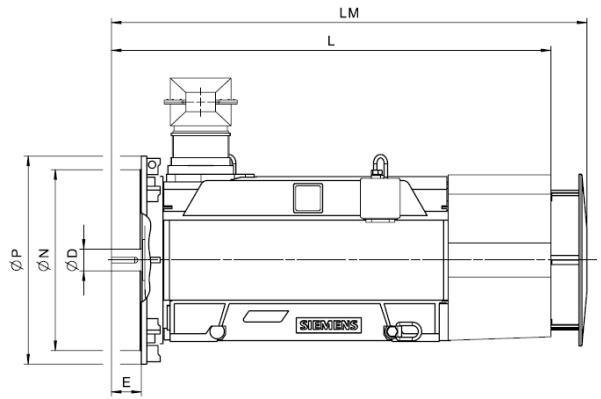


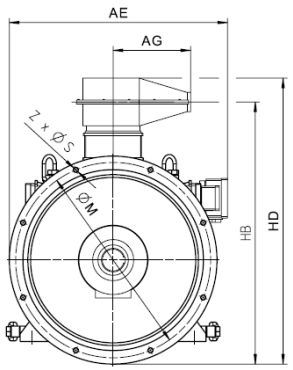


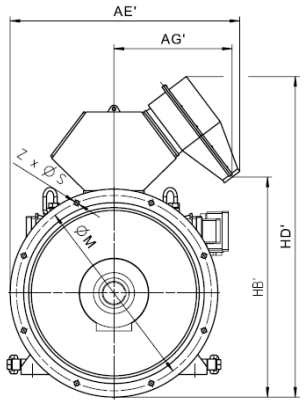


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NB1 402-2AC04-4AA0	4000	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 402-2AC04-4CA0	4000	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 404-2AC04-4AA0	4100	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 404-2AC04-4CA0	4200	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 406-2AC04-4AA0	4300	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 406-2AC04-4CA0	4400	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
4-pole													
1NB1 404-4AC04-4AA0	4200	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-4AC04-4CA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC04-4AA0	4400	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC04-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-4AC04-4AA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-4AC04-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC04-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC04-4CA0	5600	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC04-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC04-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-4AC04-4CA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-4AC04-4AA0	6700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC04-4CA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC04-4AA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-4AC04-4AA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16

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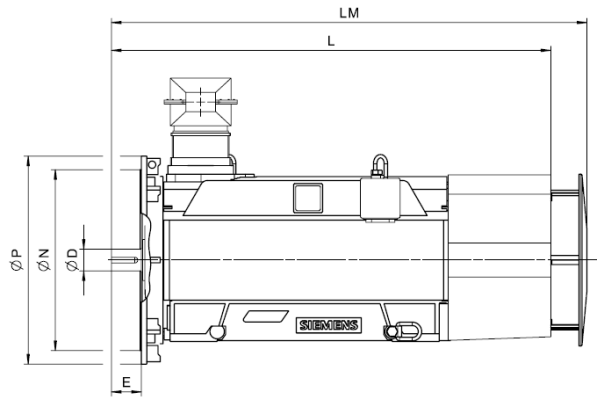


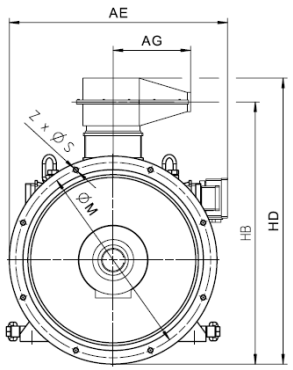


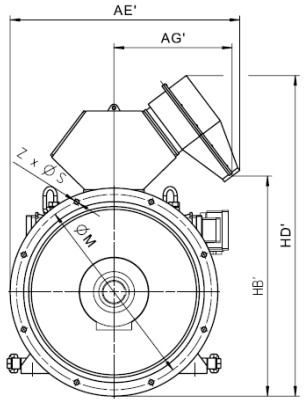


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 506-4AC04-4CA0	7800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-4AC04-4AA0	9000	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 562-4AC04-4CA0	9300	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC04-4AA0	9500	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC04-4CA0	9800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC04-4AA0	10000	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC04-4CA0	10300	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 404-6AC04-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-6AC04-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC04-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC04-4CA0	4800	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-6AC04-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-6AC04-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC04-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC04-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC04-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC04-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 500-6AC04-4CA0	6800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 500-6AC04-4AA0	6600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC04-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC04-4CA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-6AC04-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16

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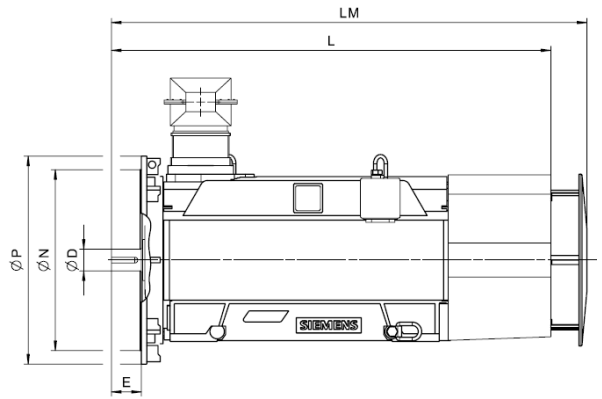


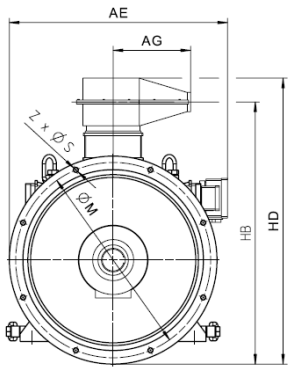


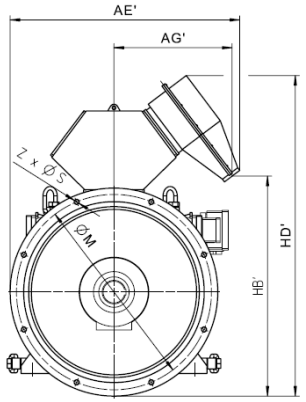


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 504-6AC04-4AA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC04-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC04-4AA0	7700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-6AC04-4CA0	9600	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-6AC04-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-6AC04-4CA0	10900	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 404-8AC04-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-8AC04-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC04-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC04-4CA0	4700	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-8AC04-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-8AC04-4CA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC04-4AA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC04-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC04-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC04-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-8AC04-4CA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-8AC04-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC04-4AA0	7200	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC04-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC04-4AA0	7600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC04-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 562-8AC04-4CA0	9700	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-8AC04-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-8AC04-4CA0	10800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - Square-law torque drive																						
880	780	**1NB1 402-2AC10-4A.0**	3580	96.5	0.93	820	2347	3.40	10.0	3600	665	3285	96.7	0.91	445	2868	96.4	0.87	220	2273	95.8	0.80
850	750	**1NB1 402-2AC10-4C.0**	3581	96.4	0.92	800	2267	3.40	12.3	3600	645	3286	96.6	0.90	430	2869	96.1	0.87	215	2273	95.3	0.79
900	790	**1NB1 404-2AC10-4A.0**	3581	96.6	0.94	830	2400	3.90	11.0	3600	680	3285	96.7	0.92	455	2869	96.3	0.89	225	2273	95.7	0.82
880	780	**1NB1 404-2AC10-4C.0**	3582	96.5	0.94	810	2346	3.90	13.5	3600	665	3286	96.6	0.92	445	2869	96.1	0.88	220	2273	95.2	0.81
950	840	**1NB1 406-2AC10-4A.0**	3582	96.6	0.95	870	2533	4.10	12.2	3600	720	3286	96.8	0.93	480	2869	96.3	0.89	240	2273	95.6	0.83
910	800	**1NB1 406-2AC10-4C.0**	3583	96.5	0.94	840	2425	4.20	14.9	3600	690	3287	96.6	0.92	460	2870	96.1	0.88	230	2274	95.1	0.81
1000	880	**1NB1 452-2AC10-4AC0**	3585	97.0	0.93	930	2664	3.10	12.5	3600	760	3289	97.1	0.92	505	2872	96.9	0.89	250	2275	96.4	0.83
1000	880	**1NB1 452-2AC10-4C.0**	3585	96.8	0.93	930	2664	3.00	17.4	3600	755	3289	97.0	0.92	505	2872	96.6	0.89	250	2275	96.1	0.83
1100	970	**1NB1 454-2AC10-4AC0**	3586	97.0	0.94	1000	2929	3.30	13.8	3600	835	3289	97.2	0.92	555	2872	96.9	0.90	275	2275	96.4	0.84
1100	970	**1NB1 454-2AC10-4C.0**	3586	96.9	0.94	1020	2929	3.20	19.3	3600	835	3289	97.0	0.92	555	2872	96.7	0.90	275	2275	96.1	0.84
1160	1020	**1NB1 456-2AC10-4AC0**	3584	97.0	0.94	1060	3091	3.00	15.3	3600	880	3288	97.2	0.93	585	2871	97.0	0.91	290	2274	96.6	0.88
1200	1060	**1NB1 456-2AC10-4C.0**	3584	96.9	0.94	1100	3197	2.80	21.3	3600	910	3288	97.1	0.94	605	2871	96.8	0.92	300	2274	96.4	0.88
1400	1230	**1NB1 502-2AC10-4CC0**	3586	96.5	0.90	1340	3728	3.00	26.8	3600	1060	3290	96.6	0.90	705	2872	96.1	0.87	355	2275	95.1	0.81
1550	1370	**1NB1 504-2AC10-4CC0**	3586	96.6	0.91	1480	4128	3.00	29.8	3600	1175	3289	96.8	0.91	785	2872	96.2	0.89	390	2275	95.2	0.84
1800	1590	**1NB1 506-2AC10-4CC0**	3589	96.9	0.91	1700	4789	3.60	33.5	3600	1365	3291	97.0	0.90	910	2873	96.2	0.87	455	2276	94.9	0.80
1800	1590	**1NB1 564-2AC10-4CC0**	3590	96.7	0.91	1720	4788	2.90	49.5	3600	1365	3292	96.8	0.91	910	2874	96.1	0.89	455	2276	95.1	0.84
2050	1810	**1NB1 566-2AC10-4CC0**	3592	96.8	0.92	1920	5450	3.50	55.3	3600	1550	3293	96.9	0.90	1035	2875	96.2	0.88	515	2277	95.1	0.81
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - Square-law torque drive																						
900	790	**1NB1 404-4AC10-4A.0**	1791	96.4	0.89	880	4799	3.30	15.6	2600	680	1643	96.6	0.87	455	1435	95.5	0.83	225	1137	94.0	0.73
910	800	**1NB1 404-4AC10-4C.0**	1790	96.5	0.89	890	4855	2.90	19.8	2600	690	1642	96.7	0.87	460	1434	96.0	0.84	230	1136	94.8	0.75
950	840	**1NB1 406-4AC10-4A.0**	1792	96.5	0.89	930	5062	3.80	17.4	2600	720	1644	96.6	0.86	480	1435	95.4	0.82	240	1137	93.5	0.70
950	840	**1NB1 406-4AC10-4C.0**	1791	96.6	0.89	920	5065	3.30	22.1	2600	720	1643	96.8	0.86	480	1435	95.8	0.82	240	1137	94.4	0.72
1120	990	**1NB1 452-4AC10-4A.0**	1790	96.7	0.90	1080	5975	2.80	24.0	2400	850	1643	96.9	0.88	565	1435	96.2	0.85	280	1137	95.3	0.78
1120	990	**1NB1 452-4AC10-4C.0**	1790	96.6	0.89	1100	5975	2.60	30.9	2400	850	1643	96.8	0.88	565	1434	96.2	0.84	280	1137	95.3	0.77
1260	1110	**1NB1 454-4AC10-4A.0**	1792	96.8	0.90	1220	6714	3.40	26.4	2400	955	1644	97.0	0.87	635	1435	96.1	0.83	315	1137	94.8	0.74
1250	1100	**1NB1 454-4AC10-4C.0**	1792	96.8	0.89	1220	6661	3.00	33.9	2400	945	1644	96.9	0.87	630	1435	96.1	0.83	315	1137	95.0	0.73
1360	1200	**1NB1 456-4AC10-4A.0**	1792	97.0	0.90	1300	7247	3.50	30.5	2400	1030	1644	97.1	0.88	685	1435	96.2	0.84	345	1137	95.0	0.75
1350	1190	**1NB1 456-4AC10-4C.0**	1792	96.9	0.90	1300	7194	3.20	39.0	2400	1025	1644	97.1	0.87	680	1436	96.2	0.83	340	1137	95.1	0.74
1400	1230	**1NB1 502-4AC10-4A.0**	1790	96.1	0.87	1400	7469	2.70	28.4	2200	1060	1643	96.3	0.86	710	1435	95.7	0.83	355	1137	94.6	0.75
1400	1230	**1NB1 502-4AC10-4C.0**	1791	96.2	0.86	1420	7465	2.10	37.3	2200	1060	1643	96.4	0.85	705	1435	95.9	0.83	355	1137	95.0	0.76
1550	1370	**1NB1 504-4AC10-4A.0**	1790	96.2	0.89	1520	8269	2.70	32.5	2200	1175	1643	96.4	0.88	785	1434	95.8	0.85	390	1137	94.6	0.78
1550	1370	**1NB1 504-4AC10-4C.0**	1791	96.3	0.87	1540	8264	2.20	42.4	2200	1175	1643	96.5	0.87	785	1435	96.0	0.85	390	1137	95.0	0.79
1800	1590	**1NB1 506-4AC10-4A.0**	1792	96.5	0.89	1760	9592	3.10	37.0	2200	1365	1644	96.7	0.87	910	1435	95.8	0.83	455	1137	94.5	0.75
1800	1590	**1NB1 506-4AC10-4C.0**	1792	96.6	0.87	1800	9592	2.40	48.0	2200	1365	1644	96.8	0.86	910	1435	96.1	0.83	455	1137	95.0	0.76

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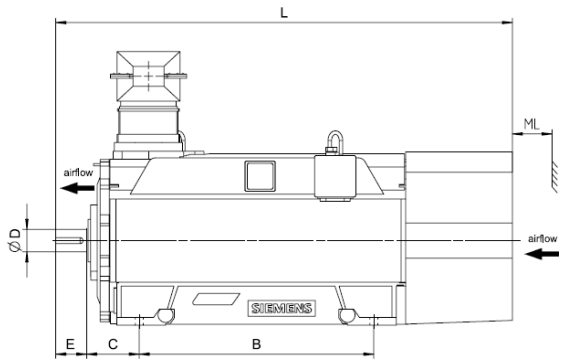
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1870	1650	**1NB1 562-4AC10-4C.0**	1792	96.4	0.88	1840	9965	2.20	72.4	2000	1420	1644	96.5	0.87	945	1435	95.9	0.85	470	1137	94.9	0.79
1870	1650	**1NB1 562-4AC10-4A.0**	1792	96.2	0.88	1840	9965	2.50	54.5	2000	1420	1644	96.4	0.87	945	1436	95.7	0.85	470	1137	94.7	0.78
2100	1850	**1NB1 564-4AC10-4A.0**	1793	96.4	0.88	2050	11184	2.70	59.9	2000	1590	1645	96.5	0.87	1060	1436	95.9	0.84	530	1138	94.8	0.76
2100	1850	**1NB1 564-4AC10-4C.0**	1793	96.6	0.88	2050	11184	2.40	79.3	2000	1590	1645	96.7	0.87	1060	1436	96.1	0.84	530	1138	95.1	0.77
2170	1910	**1NB1 566-4AC10-4A.0**	1793	96.5	0.89	2100	11557	2.70	66.6	2000	1645	1645	96.6	0.88	1095	1436	96.0	0.86	545	1137	95.1	0.79
2200	1940	**1NB1 566-4AC10-4C.0**	1793	96.6	0.89	2150	11717	2.30	88.0	2000	1670	1644	96.8	0.88	1110	1436	96.2	0.86	555	1137	95.3	0.80
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - Square-law torque drive																						
700	620	**1NB1 404-6AC10-4A.0**	1195	96.2	0.88	690	5594	3.30	25.9	2400	530	1096	96.5	0.85	355	957	94.9	0.81	175	758	92.6	0.71
710	630	**1NB1 404-6AC10-4C.0**	1194	96.4	0.87	710	5678	2.80	33.3	2400	540	1095	96.7	0.86	360	956	95.6	0.82	180	758	94.1	0.73
730	640	**1NB1 406-6AC10-4A.0**	1196	96.3	0.87	730	5829	3.80	29.6	2400	555	1097	96.5	0.84	370	957	94.6	0.79	185	758	92.0	0.66
770	680	**1NB1 406-6AC10-4C.0**	1194	96.5	0.87	770	6158	3.10	38.1	2400	585	1096	96.7	0.85	390	957	95.6	0.81	195	758	93.9	0.71
900	790	**1NB1 452-6AC10-4A.0**	1193	96.4	0.85	920	7204	2.70	34.8	2200	680	1095	96.5	0.84	455	956	95.6	0.81	225	758	94.3	0.71
900	790	**1NB1 452-6AC10-4C.0**	1192	96.5	0.85	920	7210	2.40	43.4	2200	680	1094	96.7	0.84	455	955	96.0	0.82	225	757	95.0	0.74
1000	880	**1NB1 454-6AC10-4A.0**	1194	96.5	0.85	1020	7998	3.30	39.5	2200	760	1096	96.5	0.82	505	957	95.3	0.77	250	758	93.5	0.64
1050	930	**1NB1 454-6AC10-4C.0**	1193	96.7	0.85	1060	8405	2.70	49.1	2200	795	1095	96.8	0.83	530	956	96.0	0.80	265	758	94.7	0.69
1070	940	**1NB1 456-6AC10-4A.0**	1195	96.6	0.85	1100	8550	3.50	45.8	2200	810	1096	96.7	0.82	540	957	95.4	0.77	270	758	93.5	0.64
1100	970	**1NB1 456-6AC10-4C.0**	1194	96.8	0.85	1120	8798	3.00	56.7	2200	835	1096	96.9	0.83	555	957	96.0	0.79	275	758	94.6	0.68
1250	1100	**1NB1 500-6AC10-4C.0**	1193	96.5	0.86	1260	10006	1.90	59.8	2100	950	1095	96.7	0.86	630	956	96.4	0.84	315	758	95.5	0.77
1150	1010	**1NB1 500-6AC10-4A.0**	1192	96.3	0.83	1200	9213	2.10	46.5	2100	870	1094	96.6	0.83	580	955	96.1	0.81	290	757	95.0	0.73
1360	1200	**1NB1 502-6AC10-4A.0**	1192	96.4	0.83	1420	10895	2.00	52.7	2100	1030	1094	96.7	0.83	690	955	96.2	0.82	345	757	95.1	0.75
1450	1280	**1NB1 502-6AC10-4C.0**	1193	96.6	0.86	1460	11606	1.80	67.5	2100	1100	1095	96.9	0.86	735	956	96.5	0.85	365	758	95.6	0.78
1500	1320	**1NB1 504-6AC10-4A.0**	1193	96.6	0.84	1540	12007	2.40	59.7	2100	1135	1095	96.8	0.83	760	956	96.1	0.81	380	758	94.7	0.71
1500	1320	**1NB1 504-6AC10-4C.0**	1195	96.8	0.86	1500	11987	2.30	76.1	2100	1135	1096	97.0	0.85	755	957	96.4	0.82	380	758	95.2	0.72
1550	1370	**1NB1 506-6AC10-4A.0**	1193	96.6	0.86	1560	12407	2.50	67.3	2100	1175	1095	96.8	0.85	785	956	96.1	0.82	390	758	94.6	0.73
1600	1410	**1NB1 506-6AC10-4C.0**	1195	96.8	0.87	1580	12786	2.20	85.6	2100	1210	1096	97.0	0.86	810	957	96.4	0.84	405	758	95.1	0.75
1900	1670	**1NB1 562-6AC10-4C.0**	1195	97.0	0.87	1880	15183	2.50	120.2	2000	1440	1096	97.2	0.87	960	957	96.4	0.85	480	758	95.0	0.75
2050	1810	**1NB1 564-6AC10-4C.0**	1196	97.1	0.87	2050	16368	3.00	136.7	2000	1555	1097	97.3	0.85	1035	957	96.2	0.82	515	758	94.4	0.71
2270	2000	**1NB1 566-6AC10-4C.0**	1195	97.2	0.88	2200	18140	2.60	151.8	2000	1720	1096	97.4	0.87	1145	957	96.4	0.85	570	758	94.9	0.76
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - Square-law torque drive																						
560	490	**1NB1 404-8AC10-4A.0**	894	96.0	0.84	580	5982	2.90	26.7	2400	425	820	96.0	0.81	285	716	94.6	0.76	140	568	92.2	0.64
560	490	**1NB1 404-8AC10-4C.0**	892	95.8	0.82	600	5995	2.40	32.9	2400	425	819	96.0	0.80	285	716	94.9	0.76	140	567	93.0	0.65
600	530	**1NB1 406-8AC10-4A.0**	894	95.9	0.84	620	6409	3.30	30.6	2400	455	821	95.9	0.79	305	717	94.1	0.73	150	568	91.2	0.60
590	520	**1NB1 406-8AC10-4C.0**	894	95.9	0.82	630	6302	2.80	37.6	2400	445	820	96.0	0.79	300	716	94.6	0.73	150	568	92.2	0.61
700	620	**1NB1 452-8AC10-4A.0**	893	95.8	0.79	770	7485	2.20	35.1	2200	530	820	96.0	0.78	355	716	94.9	0.75	175	568	93.1	0.65
700	620	**1NB1 452-8AC10-4C.0**	891	95.7	0.78	780	7502	2.30	43.0	2200	530	818	96.0	0.78	355	715	95.1	0.76	175	567	93.6	0.66

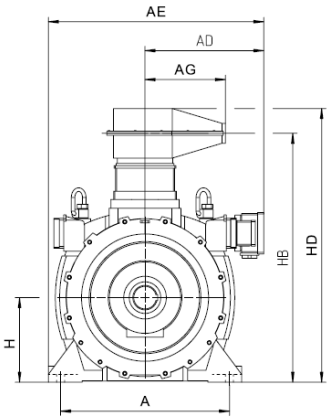
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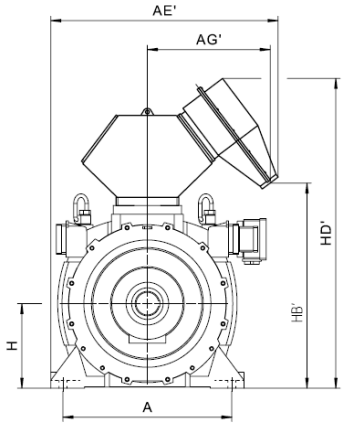
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque

Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
850	750	**1NB1 454-8AC10-4A.0**	892	95.8	0.80	930	9100	2.10	39.9	2200	645	819	96.1	0.79	430	716	95.1	0.77	215	567	93.6	0.68
810	710	**1NB1 454-8AC10-4C.0**	891	95.8	0.80	880	8681	2.20	48.8	2200	615	818	96.1	0.79	410	715	95.2	0.77	205	567	93.9	0.68
950	840	**1NB1 456-8AC10-4C.0**	893	96.2	0.79	1040	10159	2.80	56.4	2200	720	820	96.4	0.76	480	716	95.2	0.72	240	568	93.3	0.60
920	810	**1NB1 456-8AC10-4A.0**	895	96.1	0.79	1020	9816	2.80	46.4	2200	695	821	96.2	0.75	465	717	94.6	0.70	230	568	92.2	0.56
1000	880	**1NB1 502-8AC10-4C.0**	893	95.8	0.85	1020	10694	1.90	67.0	2100	760	820	95.9	0.84	505	716	95.5	0.81	255	568	94.3	0.73
910	800	**1NB1 502-8AC10-4A.0**	893	95.9	0.80	990	9731	1.80	52.0	2100	690	820	96.0	0.79	460	716	95.7	0.77	230	568	94.6	0.69
1060	930	**1NB1 504-8AC10-4A.0**	893	96.0	0.81	1140	11335	1.80	58.8	2100	805	820	96.1	0.80	535	716	95.7	0.77	270	568	94.4	0.69
1100	970	**1NB1 504-8AC10-4C.0**	894	95.9	0.85	1120	11750	2.00	75.6	2100	835	820	96.0	0.83	555	716	95.4	0.80	280	568	94.0	0.71
1110	980	**1NB1 506-8AC10-4A.0**	894	96.1	0.82	1180	11857	1.90	66.4	2100	840	820	96.1	0.81	560	716	95.7	0.78	280	568	94.2	0.69
1120	990	**1NB1 506-8AC10-4C.0**	894	96.0	0.85	1140	11963	2.20	85.1	2100	850	821	96.0	0.83	565	717	95.3	0.80	285	568	93.6	0.70
1430	1260	**1NB1 562-8AC10-4C.0**	894	96.5	0.85	1460	15275	2.00	119.6	2000	1085	821	96.8	0.84	725	717	96.2	0.82	360	568	94.9	0.73
1480	1300	**1NB1 564-8AC10-4C.0**	895	96.6	0.85	1500	15791	2.10	136.3	2000	1120	821	96.8	0.84	750	717	96.1	0.82	375	568	94.6	0.72
1700	1500	**1NB1 566-8AC10-4C.0**	895	96.7	0.85	1740	18138	2.20	151.7	2000	1290	821	96.9	0.84	860	717	96.0	0.81	430	568	94.3	0.71

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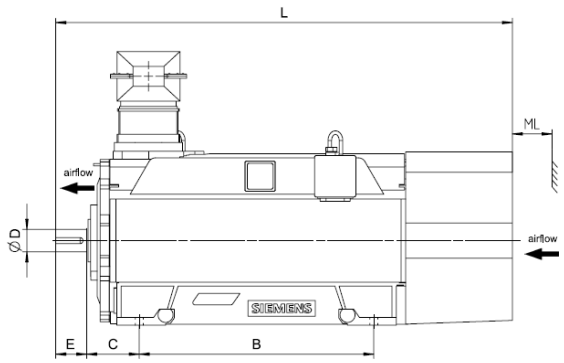


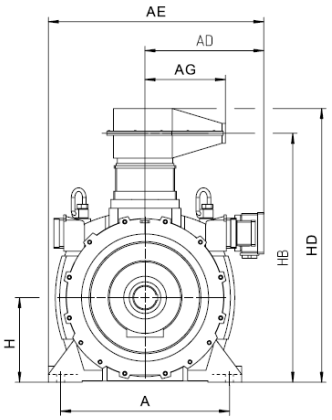


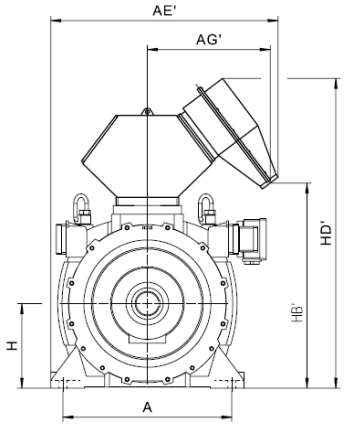


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 402-2AC10-4A.0	3800	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 402-2AC10-4C.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC10-4A.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC10-4C.0	4000	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC10-4A.0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC10-4C.0	4200	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 452-2AC10-4AC0	5000	900	557	746	1072	1261	356	575	1250	500	95	130	450	1278	1122	1492	1734	2584	180
1NB1 452-2AC10-4C.0	4900	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 454-2AC10-4AC0	5200	900	557	746	1072	1261	356	575	1250	500	95	130	450	1278	1122	1492	1734	2584	180
1NB1 454-2AC10-4C.0	5100	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 456-2AC10-4AC0	5400	900	557	746	1072	1261	356	575	1250	500	95	130	450	1278	1122	1492	1734	2584	180
1NB1 456-2AC10-4C.0	5400	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 502-2AC10-4CC0	6700	1000	629	831	1194	1396	371	719	1320	560	110	165	500	1557	1322	1723	1907	2782	200
1NB1 504-2AC10-4CC0	7100	1000	629	831	1194	1396	371	719	1320	560	110	165	500	1557	1322	1723	1907	2782	200
1NB1 506-2AC10-4CC0	7500	1000	629	831	1194	1396	371	719	1320	560	110	165	500	1557	1322	1723	1907	2782	200
1NB1 564-2AC10-4CC0	8800	1120	684	831	1319	1466	371	719	1400	600	120	165	560	1682	1447	1847	2031	2913	225
1NB1 566-2AC10-4CC0	9300	1120	684	831	1319	1466	371	719	1400	600	120	165	560	1682	1447	1847	2031	2913	225
4-pole																			
1NB1 404-4AC10-4A.0	4000	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-4AC10-4C.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC10-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC10-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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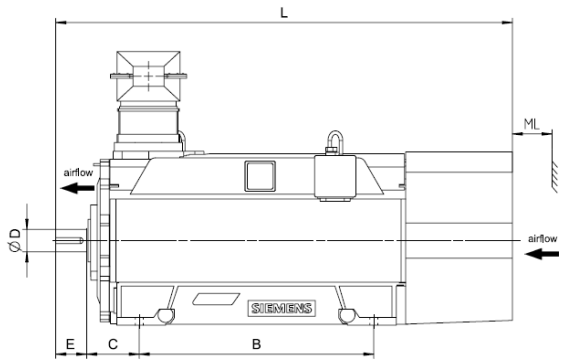


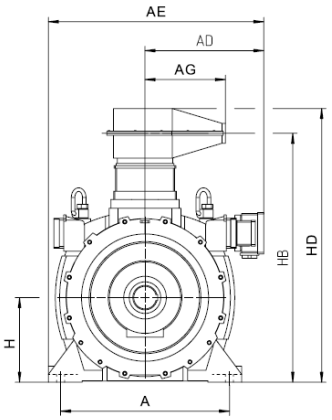


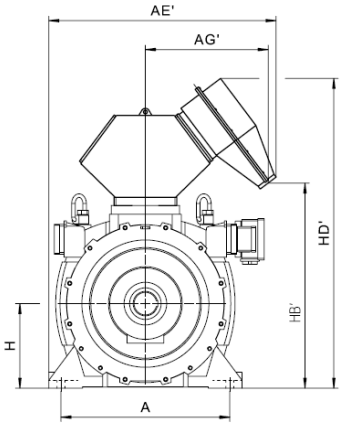


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-4AC10-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-4AC10-4C.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC10-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC10-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC10-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC10-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-4AC10-4A.0	6400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-4AC10-4C.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC10-4A.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC10-4C.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC10-4A.0	7300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC10-4C.0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-4AC10-4C.0	9000	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 562-4AC10-4A.0	8700	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC10-4A.0	9100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC10-4C.0	9400	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC10-4A.0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC10-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
6-pole																			
1NB1 404-6AC10-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-6AC10-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC10-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC10-4C.0	4600	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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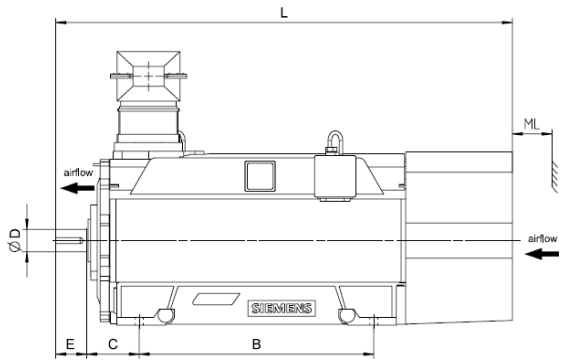


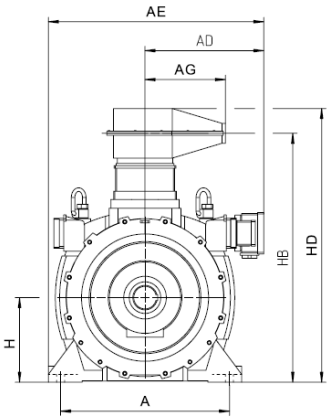


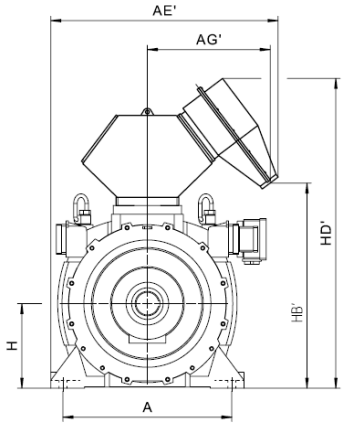


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-6AC10-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-6AC10-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC10-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC10-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC10-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC10-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 500-6AC10-4C.0	6500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 500-6AC10-4A.0	6300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC10-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC10-4C.0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC10-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC10-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC10-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC10-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-6AC10-4C.0	9200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-6AC10-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-6AC10-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
8-pole																			
1NB1 404-8AC10-4A.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-8AC10-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-8AC10-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-8AC10-4C.0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-8AC10-4A.0	4800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180

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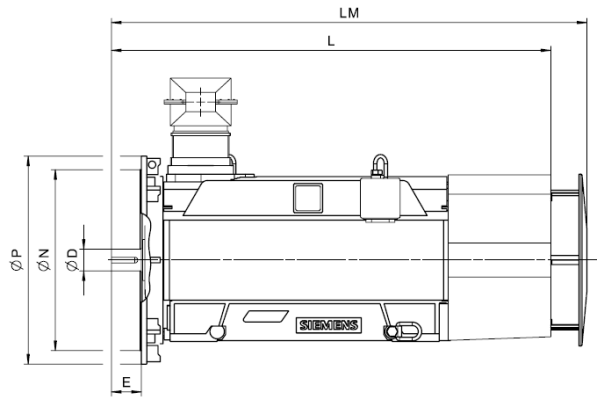


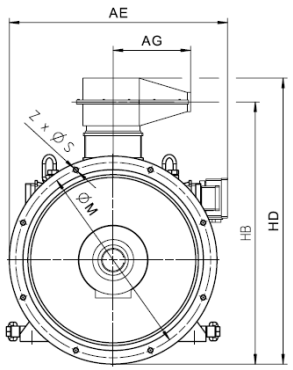


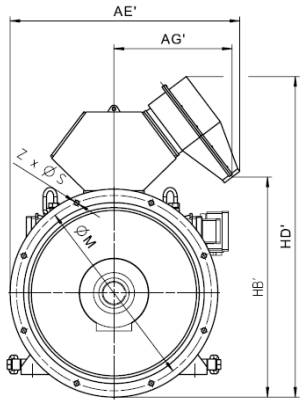


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-8AC10-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC10-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC10-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC10-4C.0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC10-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-8AC10-4C.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-8AC10-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC10-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC10-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC10-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC10-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-8AC10-4C.0	9300	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-8AC10-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-8AC10-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225

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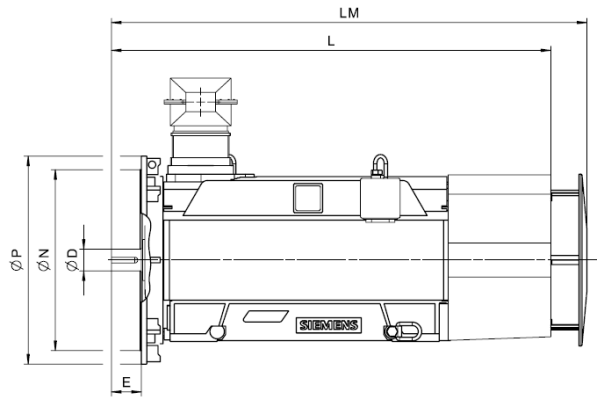


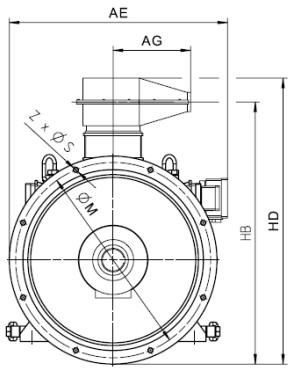


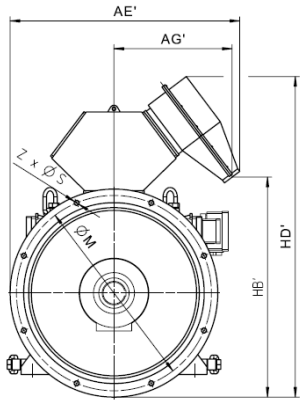


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NB1 404-4AC14-4AA0	4200	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-4AC14-4CA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC14-4AA0	4400	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC14-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-4AC14-4AA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-4AC14-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC14-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC14-4CA0	5600	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC14-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC14-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-4AC14-4AA0	6700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-4AC14-4CA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC14-4AA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC14-4CA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-4AC14-4AA0	7600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-4AC14-4CA0	7800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-4AC14-4CA0	9400	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 562-4AC14-4AA0	9100	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC14-4AA0	9400	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC14-4CA0	9700	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC14-4AA0	9900	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC14-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16

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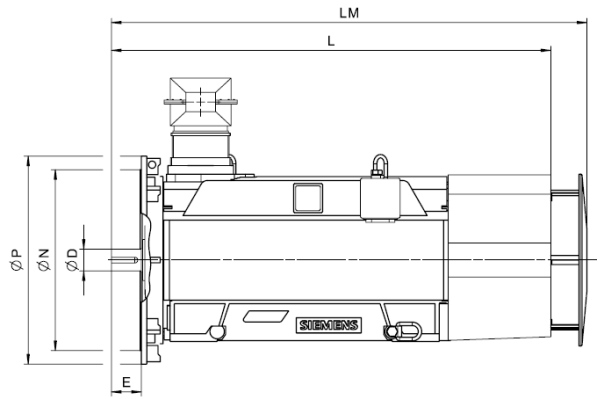


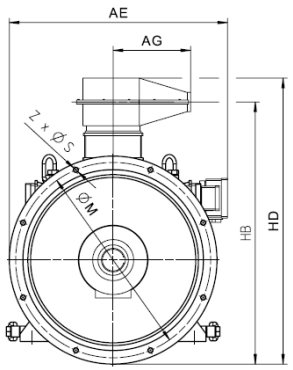


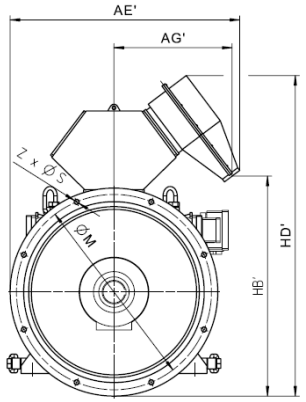


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NB1 404-6AC14-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-6AC14-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC14-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC14-4CA0	4800	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-6AC14-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-6AC14-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC14-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC14-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC14-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC14-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 500-6AC14-4CA0	6800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 500-6AC14-4AA0	6600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC14-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC14-4CA0	7200	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-6AC14-4AA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-6AC14-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC14-4AA0	7600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC14-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-6AC14-4CA0	9600	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-6AC14-4CA0	10300	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-6AC14-4CA0	10800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
8-pole													

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 404-8AC14-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-8AC14-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC14-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC14-4CA0	4700	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-8AC14-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-8AC14-4CA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC14-4AA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC14-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC14-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC14-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-8AC14-4CA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-8AC14-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC14-4AA0	7200	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC14-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC14-4AA0	7700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC14-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-8AC14-4CA0	9600	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-8AC14-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-8AC14-4CA0	10800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16

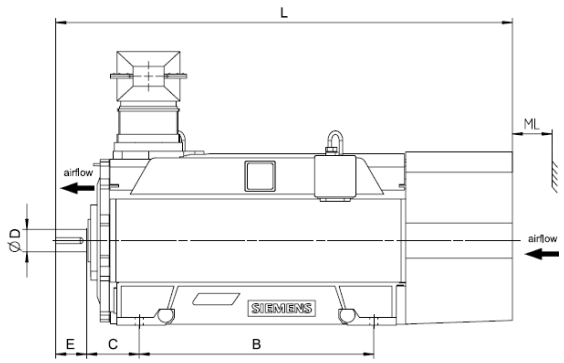
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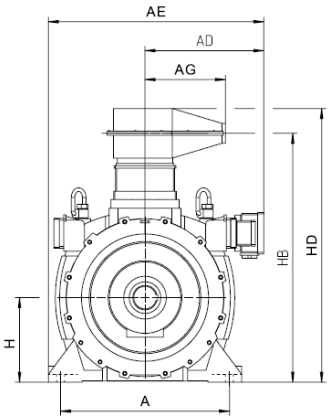
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B									Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	830	**1NB1 452-2AR40-4A.0**	2985	96.8	0.90	132	2655	2.80	12.7	3600	620	2687	96.8	0.89	420	2390	96.9	0.87	205	1854	96.7	0.84
	810	**1NB1 452-2AR40-4C.0**	2983	96.6	0.89	130	2593	2.50	16.5	3600	605	2684	96.6	0.89	410	2388	96.7	0.87	200	1853	96.5	0.83
	910	**1NB1 454-2AR40-4A.0**	2988	97.0	0.90	144	2908	3.50	14.2	3600	675	2689	97.0	0.90	460	2392	97.0	0.87	225	1855	96.7	0.82
	900	**1NB1 454-2AR40-4C.0**	2986	96.8	0.90	144	2878	3.00	18.4	3600	670	2687	96.8	0.89	455	2390	96.8	0.87	220	1854	96.5	0.82
	1010	**1NB1 456-2AR40-4A.0**	2989	97.1	0.91	158	3227	3.70	15.7	3600	750	2690	97.1	0.90	510	2392	97.1	0.88	250	1855	96.8	0.82
	1000	**1NB1 456-2AR40-4C.0**	2986	96.9	0.91	158	3198	3.00	20.2	3600	745	2687	97.0	0.90	505	2391	96.9	0.87	245	1854	96.6	0.82
	1200	**1NB1 502-2AR40-4C.0**	2988	96.7	0.89	194	3835	2.90	26.8	3000	895	2689	96.8	0.89	605	2392	96.8	0.87	295	1855	96.6	0.82
	1200	**1NB1 502-2AR40-4A.0**	2987	96.8	0.89	194	3836	3.20	20.9	3000	895	2688	97.0	0.89	605	2391	97.0	0.87	295	1855	96.8	0.82
	1220	**1NB1 504-2AR40-4A.0**	2989	96.9	0.90	194	3898	3.90	23.3	3000	905	2690	97.0	0.89	615	2392	97.0	0.87	300	1855	96.7	0.81
	1220	**1NB1 504-2AR40-4C.0**	2990	96.8	0.90	194	3896	3.40	29.7	3000	905	2691	96.9	0.89	615	2393	96.8	0.87	300	1856	96.5	0.80
	1400	**1NB1 506-2AR40-4A.0**	2989	97.1	0.91	220	4473	3.70	26.4	3000	1040	2690	97.2	0.90	705	2392	97.2	0.88	345	1855	96.9	0.83
	1400	**1NB1 506-2AR40-4C.0**	2990	97.0	0.90	225	4471	3.30	33.3	3000	1040	2690	97.1	0.90	705	2393	97.1	0.88	345	1856	96.7	0.82
	1700	**1NB1 564-2AR40-4C.0**	2991	97.1	0.91	265	5428	2.90	50.0	3000	1265	2692	97.2	0.90	860	2394	97.2	0.89	420	1856	96.9	0.84
	1750	**1NB1 566-2AR40-4C.0**	2992	97.2	0.91	275	5585	3.30	55.2	3000	1300	2693	97.3	0.91	885	2395	97.2	0.89	430	1857	97.0	0.83
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	950	**1NB1 452-4AR40-4A.0**	1492	96.7	0.84	162	6080	3.00	19.6	2400	705	1343	96.7	0.83	480	1195	96.6	0.79	235	927	96.2	0.69
	920	**1NB1 452-4AR40-4C.0**	1492	96.6	0.83	160	5888	2.60	25.2	2400	685	1343	96.7	0.82	465	1195	96.6	0.79	225	927	96.3	0.70
	920	**1NB1 454-4AR40-4A.0**	1494	96.6	0.83	160	5880	3.90	21.5	2400	685	1344	96.7	0.82	465	1196	96.5	0.76	225	927	95.9	0.64
	920	**1NB1 454-4AR40-4C.0**	1494	96.6	0.83	160	5880	3.20	27.6	2400	685	1344	96.7	0.82	465	1196	96.5	0.77	225	927	96.0	0.66
	1050	**1NB1 456-4AR40-4A.0**	1494	96.8	0.85	178	6711	3.70	24.8	2400	780	1344	96.8	0.84	530	1196	96.7	0.79	260	927	96.1	0.68
	1050	**1NB1 456-4AR40-4C.0**	1494	96.8	0.85	178	6711	3.00	31.7	2400	780	1344	96.8	0.83	530	1196	96.7	0.79	260	927	96.2	0.69
	1200	**1NB1 502-4AR40-4C.0**	1493	96.5	0.86	200	7675	2.40	37.3	2200	895	1343	96.6	0.85	605	1195	96.6	0.83	295	927	96.4	0.76
	1200	**1NB1 502-4AR40-4A.0**	1493	96.4	0.87	198	7675	3.00	28.4	2200	895	1343	96.5	0.86	605	1195	96.5	0.83	295	927	96.2	0.74
	1300	**1NB1 504-4AR40-4A.0**	1493	96.6	0.87	215	8315	3.00	32.5	2200	965	1343	96.7	0.87	655	1195	96.7	0.83	320	927	96.4	0.75
	1300	**1NB1 504-4AR40-4C.0**	1493	96.7	0.86	215	8315	2.40	42.4	2200	965	1344	96.8	0.85	655	1195	96.8	0.83	320	927	96.6	0.76
	1450	**1NB1 506-4AR40-4A.0**	1493	96.8	0.88	235	9274	3.30	37.0	2200	1080	1344	96.8	0.87	730	1195	96.8	0.83	360	927	96.5	0.75
	1450	**1NB1 506-4AR40-4C.0**	1494	96.8	0.86	240	9268	2.60	48.0	2200	1080	1344	96.9	0.86	730	1196	96.9	0.83	360	927	96.6	0.76
	1600	**1NB1 560-4AR40-4C.0**	1493	96.7	0.85	270	10234	2.30	64.6	2000	1190	1344	96.8	0.85	810	1196	96.8	0.82	395	927	96.6	0.76
	1650	**1NB1 560-4AR40-4A.0**	1494	96.7	0.86	275	10546	2.60	48.3	2000	1225	1344	96.8	0.85	835	1196	96.7	0.83	405	927	96.5	0.75
	1750	**1NB1 562-4AR40-4C.0**	1494	96.9	0.86	290	11186	2.50	72.4	2000	1305	1345	97.0	0.85	885	1196	97.0	0.82	430	928	96.7	0.74
	1760	**1NB1 562-4AR40-4A.0**	1495	96.9	0.86	295	11242	2.90	54.5	2000	1310	1345	96.9	0.85	890	1196	96.9	0.82	435	928	96.6	0.73
	1920	**1NB1 564-4AR40-4A.0**	1495	97.0	0.87	315	12264	3.20	59.9	2000	1430	1345	97.0	0.86	970	1197	96.9	0.82	475	928	96.6	0.73
	1910	**1NB1 564-4AR40-4C.0**	1495	97.1	0.86	315	12200	2.80	79.3	2000	1420	1345	97.1	0.85	965	1196	97.0	0.82	470	928	96.7	0.73
	2110	**1NB1 566-4AR40-4A.0**	1495	97.1	0.88	345	13478	3.30	66.6	2000	1570	1346	97.2	0.86	1065	1197	97.0	0.82	520	928	96.6	0.73

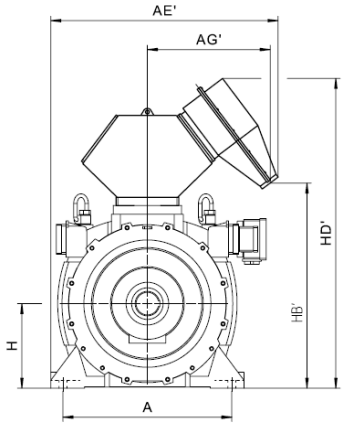
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SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
											P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)	Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit												
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	2110	**1NB1 566-4AR40-4C.0**	1495	97.2	0.87	345	13478	2.80	88.0	2000	1570	1345	97.2	0.86	1065	1197	97.1	0.83	520	928	96.8	0.74
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - Square-law torque drive																						
	600	**1NB1 452-6AR40-4A.0**	993	96.2	0.81	106	5770	2.20	28.0	2200	445	894	96.1	0.80	305	796	96.2	0.78	150	617	95.8	0.70
	620	**1NB1 452-6AR40-4C.0**	993	96.3	0.84	106	5962	2.30	36.3	2200	460	894	96.2	0.83	315	795	96.3	0.81	155	617	95.9	0.72
	690	**1NB1 454-6AR40-4A.0**	995	96.3	0.79	126	6622	2.80	31.8	2200	515	895	96.3	0.78	350	797	96.2	0.74	170	618	95.5	0.63
	670	**1NB1 454-6AR40-4C.0**	995	96.4	0.81	120	6430	3.00	41.0	2200	500	896	96.3	0.80	340	797	96.2	0.75	165	618	95.4	0.63
	750	**1NB1 456-6AR40-4A.0**	995	96.4	0.80	134	7198	2.90	36.9	2200	560	896	96.4	0.79	380	797	96.3	0.74	185	618	95.6	0.63
	750	**1NB1 456-6AR40-4C.0**	995	96.5	0.82	132	7198	3.10	47.3	2200	560	896	96.4	0.81	380	797	96.3	0.76	185	618	95.6	0.64
	920	**1NB1 500-6AR40-4C.0**	995	96.5	0.86	154	8830	2.20	59.8	2100	685	895	96.6	0.86	465	796	96.7	0.84	225	618	96.5	0.77
	860	**1NB1 500-6AR40-4A.0**	994	96.3	0.83	150	8262	2.40	46.5	2100	640	894	96.4	0.82	435	796	96.5	0.81	215	617	96.3	0.73
	900	**1NB1 502-6AR40-4A.0**	995	96.4	0.83	156	8638	3.10	52.7	2100	670	895	96.5	0.83	455	797	96.5	0.79	220	618	96.0	0.69
	950	**1NB1 502-6AR40-4C.0**	996	96.5	0.86	158	9108	2.70	67.5	2100	705	896	96.6	0.85	480	797	96.7	0.82	235	618	96.3	0.72
	1000	**1NB1 504-6AR40-4A.0**	995	96.5	0.85	170	9597	2.80	59.7	2100	745	895	96.7	0.84	505	796	96.7	0.82	245	618	96.4	0.73
	1060	**1NB1 504-6AR40-4C.0**	996	96.7	0.86	176	10163	2.60	76.1	2100	790	896	96.8	0.86	535	797	96.9	0.84	260	618	96.6	0.76
	1120	**1NB1 506-6AR40-4A.0**	995	96.7	0.84	192	10749	3.10	67.3	2100	835	896	96.8	0.84	565	797	96.8	0.81	275	618	96.3	0.70
	1200	**1NB1 506-6AR40-4C.0**	996	96.9	0.86	200	11505	2.70	85.6	2100	895	896	97.0	0.86	605	797	97.0	0.83	295	618	96.6	0.74
	1600	**1NB1 562-6AR40-4C.0**	996	97.2	0.87	265	15340	2.80	120.2	2000	1190	896	97.2	0.87	810	797	97.3	0.85	395	618	97.0	0.77
	1700	**1NB1 564-6AR40-4C.0**	996	97.2	0.87	280	16299	2.80	136.7	2000	1265	896	97.3	0.87	860	797	97.3	0.85	420	618	97.0	0.77
	1770	**1NB1 566-6AR40-4C.0**	996	97.3	0.87	290	16970	3.10	151.8	2000	1315	896	97.3	0.87	895	797	97.4	0.84	435	618	97.1	0.75
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - Square-law torque drive																						
	500	**1NB1 452-8AR40-4A.0**	744	95.8	0.77	94	6418	2.10	28.1	2200	375	669	95.8	0.77	255	596	95.8	0.75	125	463	95.3	0.65
	530	**1NB1 452-8AR40-4C.0**	744	95.8	0.80	96	6803	2.10	36.3	2200	395	670	95.8	0.80	270	596	95.8	0.77	130	463	95.3	0.67
	570	**1NB1 454-8AR40-4A.0**	745	95.9	0.76	108	7306	2.60	31.9	2200	425	670	95.9	0.76	290	597	95.7	0.71	140	463	95.0	0.59
	600	**1NB1 454-8AR40-4C.0**	745	96.0	0.79	110	7691	2.60	41.1	2200	445	671	95.9	0.78	305	597	95.8	0.73	150	463	95.0	0.61
	630	**1NB1 456-8AR40-4A.0**	745	96.0	0.79	116	8075	2.40	37.0	2200	470	670	96.0	0.78	320	596	96.0	0.75	155	463	95.5	0.64
	630	**1NB1 456-8AR40-4C.0**	746	96.0	0.78	116	8064	2.80	47.4	2200	470	671	95.9	0.77	320	597	95.7	0.72	155	463	94.9	0.60
	630	**1NB1 502-8AR40-4C.0**	745	95.6	0.85	108	8075	2.20	67.0	2100	470	671	95.7	0.83	320	597	95.7	0.80	155	463	95.1	0.70
	630	**1NB1 502-8AR40-4A.0**	745	95.8	0.81	112	8075	2.10	52.0	2100	470	670	95.8	0.80	320	597	95.9	0.77	155	463	95.4	0.69
	710	**1NB1 504-8AR40-4A.0**	746	96.0	0.80	128	9088	2.60	58.8	2100	530	671	95.9	0.78	360	597	95.9	0.74	175	463	95.1	0.63
	710	**1NB1 504-8AR40-4C.0**	746	95.8	0.83	124	9088	3.00	75.6	2100	530	672	95.8	0.81	360	597	95.7	0.76	175	463	94.8	0.64
	750	**1NB1 506-8AR40-4C.0**	747	95.7	0.81	134	9588	3.40	85.1	2100	560	672	95.6	0.79	380	598	95.5	0.73	185	464	94.4	0.60
	750	**1NB1 506-8AR40-4A.0**	747	96.0	0.78	140	9588	3.10	66.4	2100	560	672	95.9	0.77	380	598	95.8	0.71	185	464	94.8	0.58
	1000	**1NB1 562-8AR40-4C.0**	746	96.7	0.83	172	12801	2.70	119.6	2000	745	671	96.7	0.83	505	597	96.7	0.79	245	463	96.4	0.68
	1120	**1NB1 564-8AR40-4C.0**	747	96.7	0.83	194	14318	3.00	136.3	2000	835	672	96.8	0.82	565	598	96.7	0.78	275	464	96.3	0.66
	1250	**1NB1 566-8AR40-4C.0**	747	96.8	0.82	220	15979	3.20	151.7	2000	930	672	96.8	0.81	630	598	96.7	0.77	310	464	96.2	0.64

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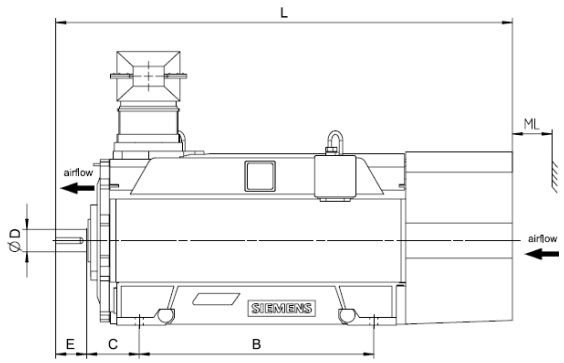


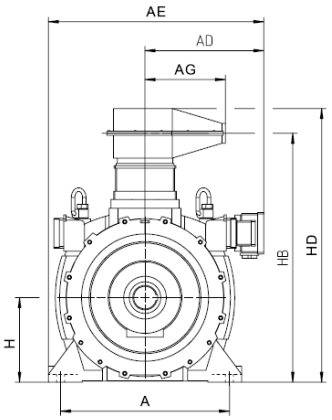


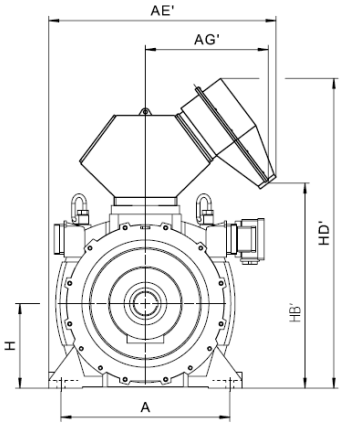


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 452-2AR40-4A.0	4800	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 452-2AR40-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 454-2AR40-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 454-2AR40-4C.0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AR40-4A.0	5300	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AR40-4C.0	5500	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 502-2AR40-4C.0	6600	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 502-2AR40-4A.0	6400	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 504-2AR40-4A.0	6700	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 504-2AR40-4C.0	6900	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 506-2AR40-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 506-2AR40-4C.0	7300	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 564-2AR40-4C.0	9000	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	2628	225
1NB1 566-2AR40-4C.0	9400	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	2628	225
4-pole																			
1NB1 452-4AR40-4A.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-4AR40-4C.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR40-4A.0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR40-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR40-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR40-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-4AR40-4C.0	6600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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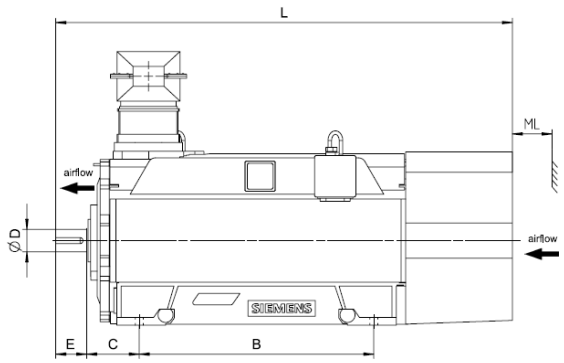


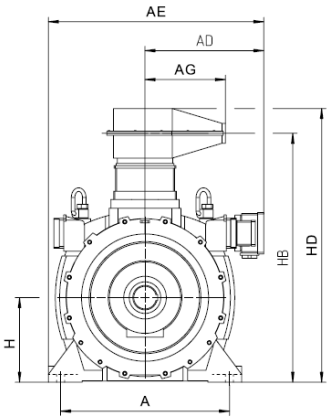


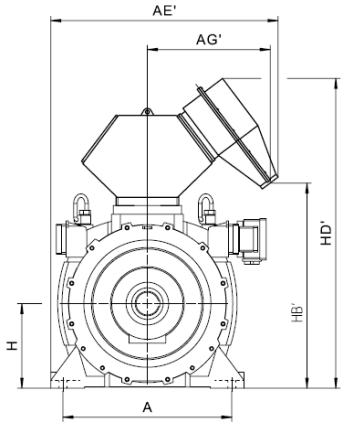


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 502-4AR40-4A.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR40-4A.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR40-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AR40-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AR40-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 560-4AR40-4C.0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 560-4AR40-4A.0	8300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR40-4C.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR40-4A.0	8800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR40-4A.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR40-4C.0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR40-4A.0	9600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR40-4C.0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
6-pole																			
1NB1 452-6AR40-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-6AR40-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR40-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR40-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR40-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR40-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 500-6AR40-4C.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 500-6AR40-4A.0	6300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AR40-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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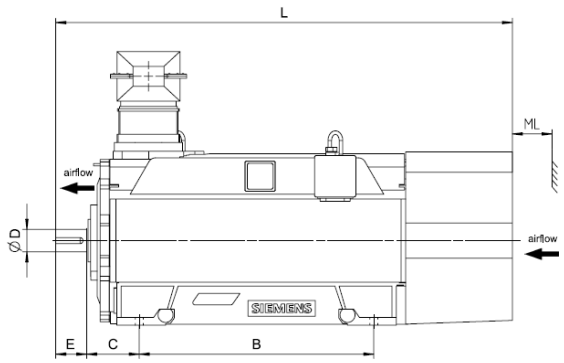


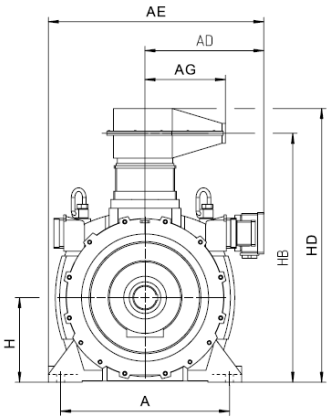


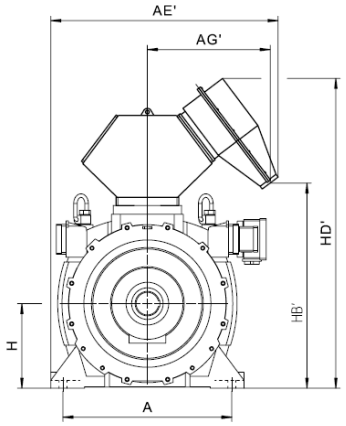


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 502-6AR40-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR40-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR40-4C.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AR40-4A.0	7400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AR40-4C.0	7600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-6AR40-4C.0	9300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-6AR40-4C.0	9900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-6AR40-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
8-pole																			
1NB1 452-8AR40-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-8AR40-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR40-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR40-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR40-4A.0	5400	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR40-4C.0	5600	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-8AR40-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-8AR40-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR40-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR40-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR40-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR40-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-8AR40-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-8AR40-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

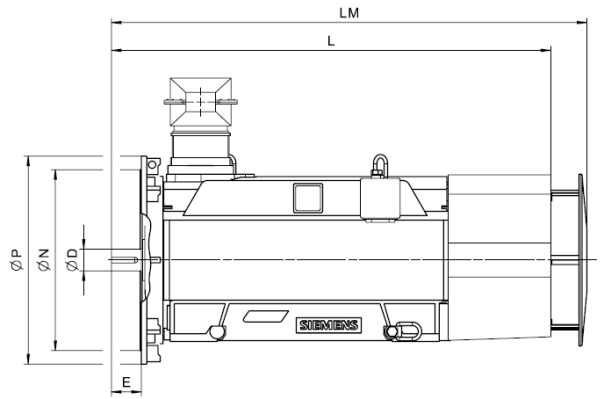
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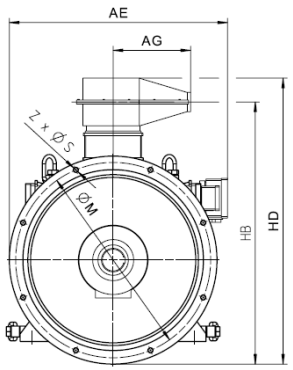


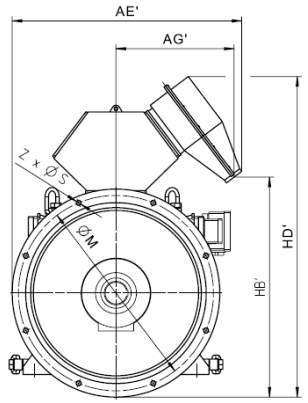




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 566-8AR40-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

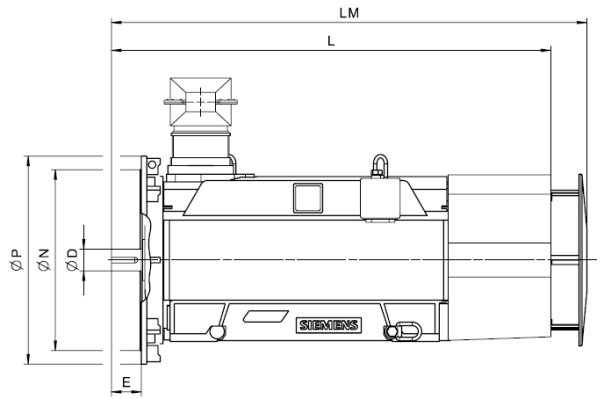


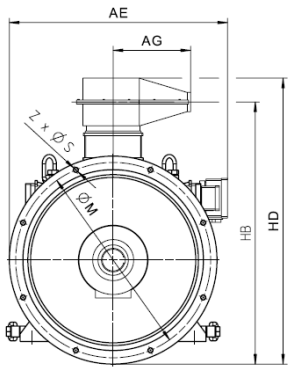


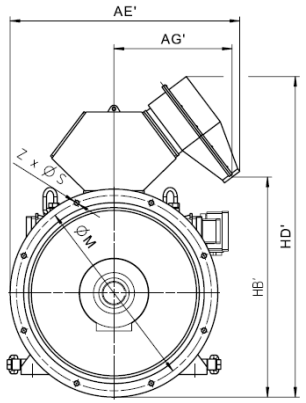


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NB1 452-4AR44-4AA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-4AR44-4CA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR44-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR44-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR44-4AA0	5800	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR44-4CA0	6000	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-4AR44-4CA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-4AR44-4AA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR44-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR44-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR44-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR44-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 560-4AR44-4CA0	9000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 560-4AR44-4AA0	8700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR44-4CA0	9400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR44-4AA0	9100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR44-4AA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR44-4CA0	9800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR44-4AA0	10000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR44-4CA0	10400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 452-6AR44-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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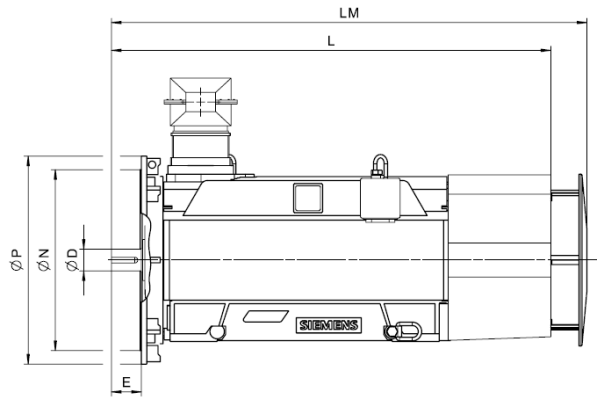


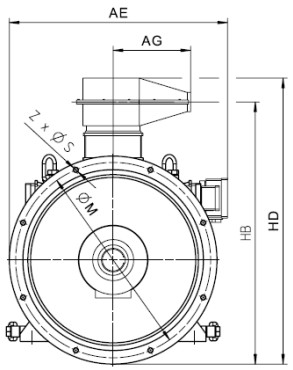


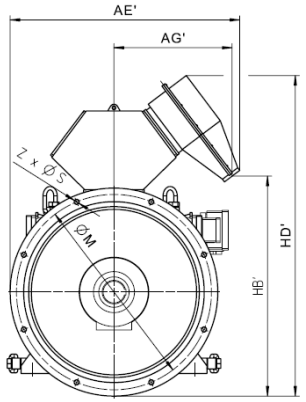


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 452-6AR44-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR44-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR44-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR44-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR44-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 500-6AR44-4CA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 500-6AR44-4AA0	6500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR44-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR44-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR44-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR44-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR44-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR44-4CA0	7900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-6AR44-4CA0	9700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-6AR44-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-6AR44-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 452-8AR44-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-8AR44-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR44-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR44-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR44-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR44-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 502-8AR44-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-8AR44-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR44-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR44-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR44-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR44-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-8AR44-4CA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-8AR44-4CA0	10200	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-8AR44-4CA0	10700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16

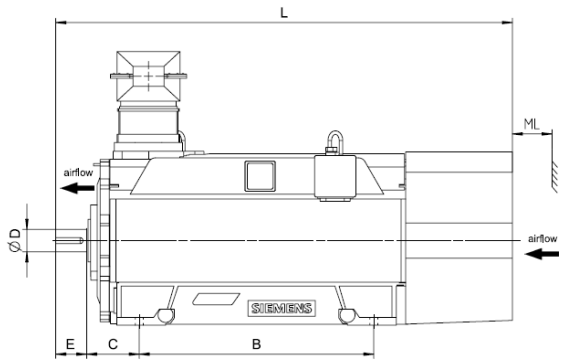
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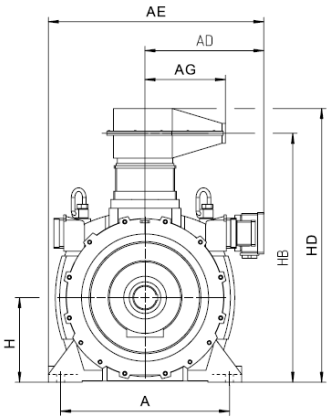
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n ^{2}	Operating values at rated output for utilization F/B									Partial load values for square-law torque drive											
												P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)	Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit													
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1010	**1NB1 452-2AR30-4AC0**	3583	96.7	0.89	162	2692	2.30	12.5	3600	765	3286	96.8	0.89	510	2870	96.8	0.87	255	2274	96.5	0.84
	1000	**1NB1 452-2AR30-4CC0**	3579	96.5	0.89	162	2668	2.10	17.1	3600	760	3283	96.5	0.89	505	2868	96.5	0.87	250	2273	96.2	0.84
	1060	**1NB1 454-2AR30-4AC0**	3587	96.8	0.90	168	2822	3.00	14.0	3600	805	3290	96.9	0.89	535	2872	96.8	0.87	265	2275	96.4	0.81
	1050	**1NB1 454-2AR30-4C.0**	3584	96.6	0.90	168	2798	2.70	18.7	3600	795	3287	96.7	0.89	530	2871	96.6	0.86	265	2274	96.1	0.80
	1200	**1NB1 456-2AR30-4AC0**	3588	97.0	0.91	188	3194	3.40	15.5	3600	910	3290	97.0	0.90	605	2873	96.9	0.87	300	2276	96.4	0.80
	1200	**1NB1 456-2AR30-4C.0**	3586	96.8	0.90	192	3196	2.80	20.6	3600	910	3288	96.8	0.89	605	2871	96.7	0.87	300	2275	96.2	0.80
	1350	**1NB1 502-2AR30-4CC0**	3586	96.5	0.89	220	3595	2.60	26.5	3600	1025	3289	96.5	0.89	680	2872	96.4	0.87	340	2275	96.0	0.82
	1400	**1NB1 504-2AR30-4CC0**	3589	96.6	0.90	225	3725	3.10	29.4	3600	1060	3291	96.5	0.90	705	2873	96.4	0.87	350	2276	95.8	0.80
	1600	**1NB1 506-2AR30-4CC0**	3589	96.8	0.91	250	4257	3.10	33.0	3600	1210	3291	96.8	0.90	810	2873	96.6	0.87	405	2276	96.0	0.81
	1900	**1NB1 564-2AR30-4CC0**	3589	96.9	0.91	300	5055	2.40	49.5	3600	1440	3291	96.9	0.91	960	2873	96.8	0.90	480	2276	96.4	0.85
	2050	**1NB1 566-2AR30-4CC0**	3591	97.0	0.91	320	5451	2.80	55.3	3600	1555	3292	97.0	0.91	1035	2874	96.9	0.90	515	2276	96.5	0.84
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	1110	**1NB1 452-4AR30-4A.0**	1792	96.6	0.84	190	5915	2.90	19.6	2400	840	1644	96.6	0.82	560	1435	96.4	0.78	280	1137	95.7	0.67
	1100	**1NB1 452-4AR30-4C.0**	1792	96.6	0.83	190	5862	2.40	25.2	2400	835	1643	96.6	0.82	555	1435	96.5	0.78	275	1137	95.9	0.68
	1100	**1NB1 454-4AR30-4A.0**	1793	96.6	0.84	188	5858	3.40	21.5	2400	835	1645	96.6	0.81	555	1436	96.3	0.75	275	1138	95.5	0.62
	1100	**1NB1 454-4AR30-4C.0**	1793	96.6	0.83	190	5858	2.80	27.6	2400	835	1644	96.6	0.81	555	1436	96.4	0.76	275	1137	95.7	0.64
	1120	**1NB1 456-4AR30-4A.0**	1794	96.7	0.84	192	5962	3.90	24.8	2400	850	1645	96.5	0.80	565	1436	96.2	0.74	280	1138	95.3	0.60
	1150	**1NB1 456-4AR30-4C.0**	1794	96.7	0.84	196	6121	3.10	31.7	2400	870	1645	96.6	0.81	580	1436	96.4	0.75	290	1138	95.6	0.63
	1450	**1NB1 502-4AR30-4C.0**	1791	96.4	0.85	245	7731	2.00	37.3	2200	1100	1643	96.5	0.85	730	1435	96.5	0.82	365	1137	96.1	0.75
	1450	**1NB1 502-4AR30-4A.0**	1791	96.3	0.86	245	7731	2.50	28.4	2200	1100	1643	96.4	0.86	735	1435	96.3	0.82	365	1137	95.8	0.74
	1450	**1NB1 504-4AR30-4A.0**	1792	96.4	0.88	235	7727	2.90	32.5	2200	1100	1644	96.4	0.87	730	1435	96.3	0.83	365	1137	95.8	0.74
	1450	**1NB1 504-4AR30-4C.0**	1793	96.5	0.86	240	7723	2.30	42.4	2200	1100	1644	96.5	0.86	730	1436	96.5	0.83	365	1137	96.0	0.75
	1610	**1NB1 506-4AR30-4A.0**	1793	96.5	0.88	265	8575	3.30	37.0	2200	1220	1645	96.5	0.86	815	1436	96.3	0.82	405	1137	95.6	0.71
	1650	**1NB1 506-4AR30-4C.0**	1793	96.7	0.87	270	8788	2.50	48.0	2200	1250	1645	96.7	0.86	835	1436	96.6	0.82	415	1138	96.0	0.73
	1850	**1NB1 560-4AR30-4C.0**	1792	96.4	0.84	315	9858	1.80	64.6	2000	1400	1644	96.5	0.84	935	1435	96.4	0.82	465	1137	96.1	0.76
	1870	**1NB1 560-4AR30-4A.0**	1792	96.3	0.85	315	9965	2.10	48.3	2000	1415	1644	96.3	0.85	945	1436	96.3	0.83	470	1137	95.9	0.76
	2000	**1NB1 562-4AR30-4C.0**	1793	96.7	0.86	335	10652	2.20	72.4	2000	1515	1645	96.6	0.86	1010	1436	96.5	0.83	505	1138	96.1	0.75
	2010	**1NB1 562-4AR30-4A.0**	1794	96.5	0.87	330	10699	2.50	54.5	2000	1525	1645	96.5	0.86	1015	1436	96.3	0.83	505	1138	95.8	0.75
	2150	**1NB1 564-4AR30-4A.0**	1794	96.7	0.88	350	11444	2.70	59.9	2000	1630	1645	96.6	0.86	1085	1436	96.4	0.83	540	1138	95.8	0.74
	2150	**1NB1 564-4AR30-4C.0**	1794	96.8	0.87	355	11444	2.30	79.3	2000	1630	1645	96.8	0.86	1085	1436	96.6	0.83	540	1138	96.1	0.75
	2350	**1NB1 566-4AR30-4A.0**	1794	96.8	0.88	385	12509	2.90	66.6	2000	1780	1646	96.7	0.87	1185	1437	96.5	0.83	590	1138	95.8	0.74
	2350	**1NB1 566-4AR30-4C.0**	1794	96.9	0.88	380	12509	2.50	88.0	2000	1780	1645	96.9	0.86	1185	1437	96.7	0.83	590	1138	96.1	0.74
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	750	**1NB1 452-6AR30-4A.0**	1193	96.2	0.79	136	6003	2.00	28.0	2200	570	1094	96.2	0.79	380	956	96.2	0.76	190	758	95.6	0.67

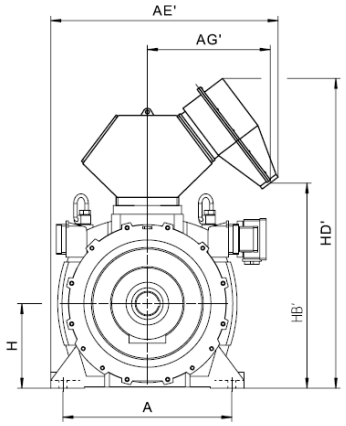
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SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power **IEC**		**SIMOTICS HV C VSD M ~n [2]**	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	770	**1NB1 452-6AR30-4C.0**	1193	96.4	0.83	134	6163	2.20	36.3	2200	585	1094	96.4	0.82	390	956	96.3	0.79	195	757	95.7	0.69
	750	**1NB1 454-6AR30-4A.0**	1194	96.3	0.81	134	5998	2.40	31.8	2200	570	1095	96.2	0.79	380	957	96.1	0.75	190	758	95.3	0.63
	800	**1NB1 454-6AR30-4C.0**	1194	96.4	0.84	138	6398	2.50	41.0	2200	605	1095	96.4	0.82	405	956	96.3	0.78	200	758	95.5	0.67
	850	**1NB1 456-6AR30-4A.0**	1195	96.4	0.81	152	6792	2.50	36.9	2200	645	1096	96.3	0.79	430	957	96.2	0.75	215	758	95.3	0.63
	900	**1NB1 456-6AR30-4C.0**	1194	96.6	0.84	154	7198	2.60	47.3	2200	680	1096	96.5	0.82	455	957	96.3	0.77	225	758	95.5	0.66
	1100	**1NB1 500-6AR30-4C.0**	1194	96.4	0.86	184	8798	1.90	59.8	2100	835	1095	96.6	0.86	555	956	96.7	0.85	275	758	96.4	0.77
	1000	**1NB1 500-6AR30-4A.0**	1193	96.3	0.83	174	8004	2.20	46.5	2100	760	1094	96.5	0.83	505	956	96.5	0.82	250	757	96.1	0.73
	1110	**1NB1 502-6AR30-4A.0**	1193	96.5	0.83	192	8885	2.30	52.7	2100	840	1095	96.6	0.83	560	956	96.6	0.81	280	758	96.2	0.72
	1170	**1NB1 502-6AR30-4C.0**	1195	96.6	0.86	196	9350	2.10	67.5	2100	885	1096	96.7	0.86	590	957	96.8	0.84	295	758	96.4	0.75
	1200	**1NB1 504-6AR30-4A.0**	1194	96.6	0.85	205	9597	2.50	59.7	2100	910	1095	96.7	0.84	605	956	96.7	0.82	305	758	96.2	0.72
	1260	**1NB1 504-6AR30-4C.0**	1195	96.7	0.87	210	10069	2.30	76.1	2100	955	1096	96.8	0.86	635	957	96.8	0.84	320	758	96.4	0.75
	1250	**1NB1 506-6AR30-4A.0**	1195	96.6	0.85	210	9989	2.90	67.3	2100	945	1096	96.7	0.83	630	957	96.6	0.80	315	758	96.0	0.68
	1310	**1NB1 506-6AR30-4C.0**	1196	96.8	0.87	215	10460	2.60	85.6	2100	990	1097	96.8	0.85	660	958	96.8	0.82	330	759	96.2	0.71
	1650	**1NB1 562-6AR30-4C.0**	1195	97.0	0.87	270	13185	2.60	120.2	2000	1250	1096	97.1	0.87	835	957	97.1	0.85	415	758	96.6	0.76
	1970	**1NB1 564-6AR30-4C.0**	1195	97.2	0.88	320	15742	2.40	136.7	2000	1495	1096	97.2	0.88	995	957	97.2	0.86	495	758	96.9	0.78
	2120	**1NB1 566-6AR30-4C.0**	1195	97.3	0.88	345	16941	2.50	151.8	2000	1605	1096	97.3	0.87	1070	957	97.3	0.86	535	758	96.8	0.78
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	630	**1NB1 452-8AR30-4A.0**	893	95.7	0.78	118	6737	1.90	28.1	2200	480	819	95.8	0.77	320	716	95.8	0.74	160	568	95.2	0.64
	650	**1NB1 452-8AR30-4C.0**	893	95.8	0.80	118	6951	1.90	36.3	2200	495	820	95.9	0.79	330	716	95.8	0.76	165	568	95.2	0.65
	700	**1NB1 454-8AR30-4A.0**	893	96.0	0.78	130	7485	2.00	31.9	2200	530	820	96.0	0.77	355	716	96.0	0.74	175	568	95.3	0.64
	700	**1NB1 454-8AR30-4C.0**	894	96.0	0.80	126	7477	2.10	41.1	2200	530	820	96.1	0.79	355	716	95.9	0.75	175	568	95.2	0.64
	750	**1NB1 456-8AR30-4A.0**	894	96.1	0.79	138	8011	2.20	37.0	2200	570	820	96.1	0.77	380	717	95.9	0.73	190	568	95.1	0.62
	750	**1NB1 456-8AR30-4C.0**	895	96.1	0.80	136	8002	2.30	47.4	2200	570	821	96.1	0.78	380	717	95.9	0.74	190	568	95.0	0.62
	730	**1NB1 502-8AR30-4C.0**	895	95.7	0.85	124	7789	2.20	67.0	2100	555	821	95.6	0.83	370	717	95.6	0.80	185	568	94.8	0.70
	710	**1NB1 502-8AR30-4A.0**	894	95.8	0.81	126	7584	1.90	52.0	2100	540	820	95.8	0.80	360	717	95.8	0.77	180	568	95.1	0.68
	800	**1NB1 504-8AR30-4C.0**	896	95.7	0.84	138	8526	2.70	75.6	2100	605	822	95.6	0.81	405	717	95.4	0.76	200	568	94.4	0.64
	800	**1NB1 504-8AR30-4A.0**	896	95.9	0.80	144	8526	2.60	58.8	2100	605	822	95.7	0.77	405	718	95.6	0.71	200	568	94.5	0.58
	850	**1NB1 506-8AR30-4A.0**	896	96.0	0.81	152	9059	2.50	66.4	2100	645	821	95.8	0.79	430	717	95.8	0.74	215	568	94.8	0.62
	850	**1NB1 506-8AR30-4C.0**	896	95.8	0.84	146	9059	2.90	85.1	2100	645	822	95.6	0.81	430	718	95.4	0.76	215	569	94.3	0.63
	1120	**1NB1 562-8AR30-4C.0**	895	96.6	0.84	192	11950	2.30	119.6	2000	850	821	96.6	0.84	565	717	96.6	0.81	280	568	96.2	0.70
	1270	**1NB1 564-8AR30-4C.0**	895	96.7	0.85	215	13550	2.30	136.3	2000	960	821	96.7	0.84	640	717	96.7	0.81	320	568	96.3	0.70
	1400	**1NB1 566-8AR30-4C.0**	896	96.8	0.84	240	14921	2.60	151.7	2000	1060	822	96.8	0.83	705	718	96.7	0.79	355	569	96.1	0.67

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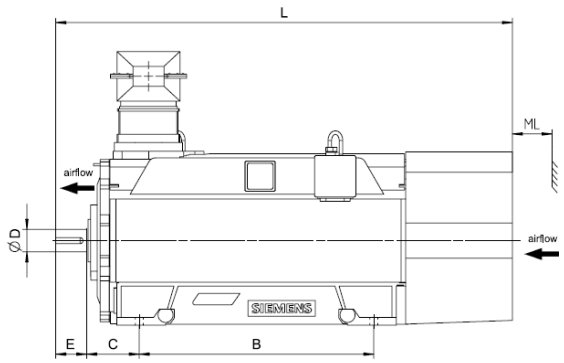


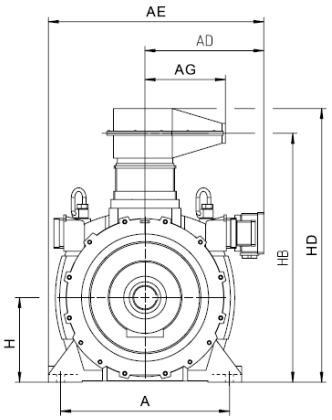


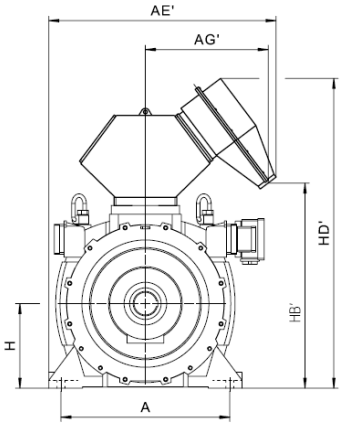


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 452-2AR30-4AC0	5000	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 452-2AR30-4CC0	5200	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 454-2AR30-4AC0	5200	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 454-2AR30-4C.0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AR30-4AC0	5500	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 456-2AR30-4C.0	5400	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 502-2AR30-4CC0	6800	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 504-2AR30-4CC0	7100	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 506-2AR30-4CC0	7600	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 564-2AR30-4CC0	9100	1120	684	737	1319	1372	525	693	1400	600	120	165	560	1565	1279	1691	1883	2913	225
1NB1 566-2AR30-4CC0	9500	1120	684	737	1319	1372	525	693	1400	600	120	165	560	1565	1279	1691	1883	2913	225
4-pole																			
1NB1 452-4AR30-4A.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-4AR30-4C.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR30-4A.0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR30-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR30-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR30-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-4AR30-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-4AR30-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR30-4A.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR30-4C.0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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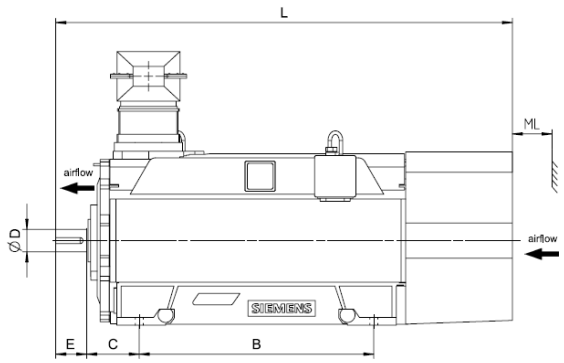


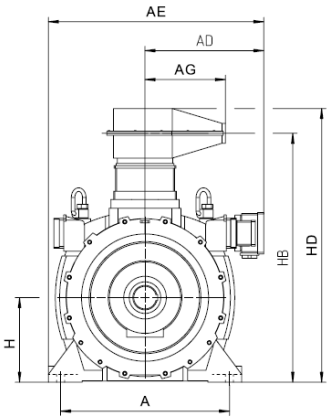


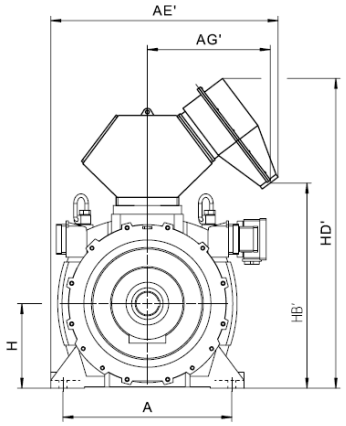


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-4AR30-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AR30-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 560-4AR30-4C.0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 560-4AR30-4A.0	8300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR30-4C.0	9000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR30-4A.0	8700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR30-4A.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR30-4C.0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR30-4A.0	9600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR30-4C.0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
6-pole																			
1NB1 452-6AR30-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-6AR30-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR30-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR30-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR30-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR30-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 500-6AR30-4C.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 500-6AR30-4A.0	6200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AR30-4A.0	6600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AR30-4C.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR30-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR30-4C.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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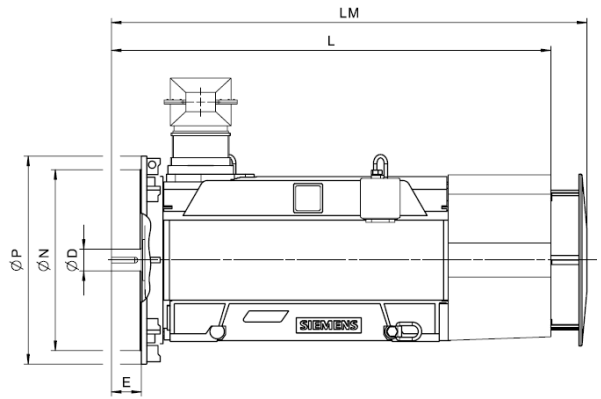


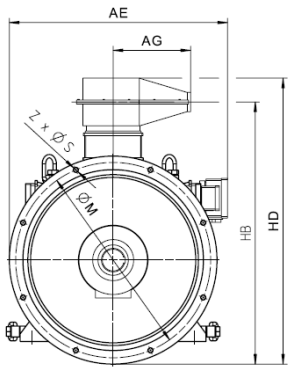


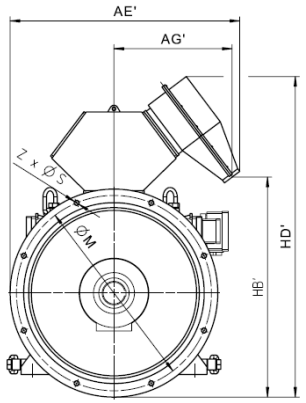


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-6AR30-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AR30-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-6AR30-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-6AR30-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-6AR30-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
8-pole																			
1NB1 452-8AR30-4A.0	4800	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-8AR30-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR30-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR30-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR30-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR30-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-8AR30-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-8AR30-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR30-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR30-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR30-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR30-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-8AR30-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-8AR30-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-8AR30-4C.0	10300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

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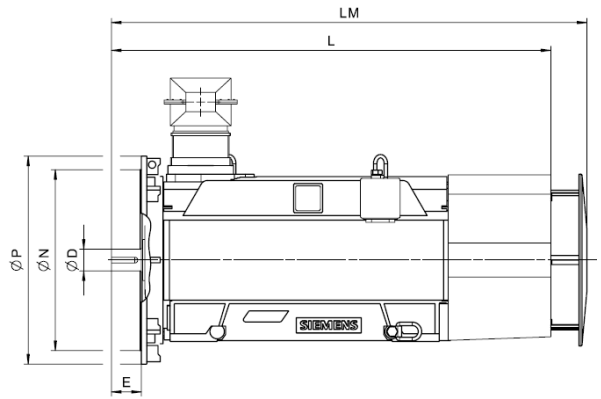


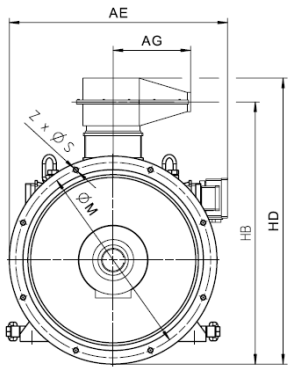


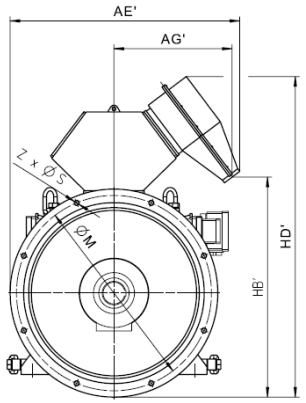


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NB1 452-4AR34-4AA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-4AR34-4CA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR34-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR34-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR34-4AA0	5800	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR34-4CA0	6000	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-4AR34-4CA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-4AR34-4AA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR34-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR34-4CA0	7300	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR34-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR34-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 560-4AR34-4CA0	9000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 560-4AR34-4AA0	8700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR34-4CA0	9400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR34-4AA0	9100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR34-4AA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR34-4CA0	9800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR34-4AA0	10000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR34-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 452-6AR34-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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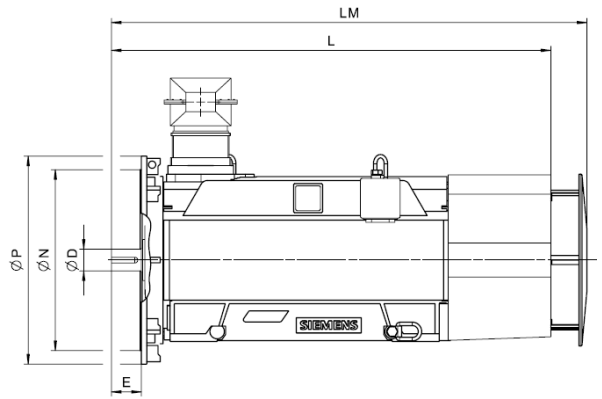


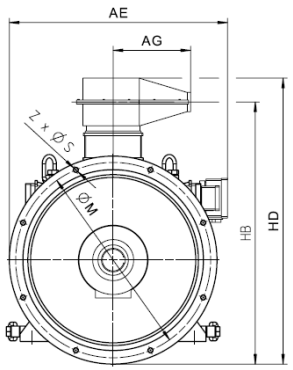


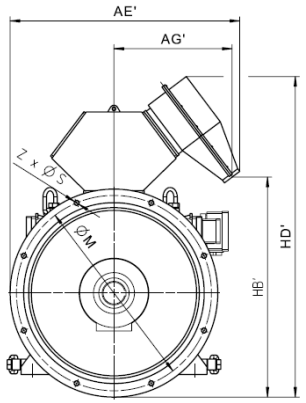


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 452-6AR34-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR34-4AA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR34-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR34-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR34-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 500-6AR34-4CA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 500-6AR34-4AA0	6500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR34-4AA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR34-4CA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR34-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR34-4CA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR34-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR34-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-6AR34-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-6AR34-4CA0	10200	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-6AR34-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 452-8AR34-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-8AR34-4CA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR34-4AA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR34-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR34-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR34-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 502-8AR34-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-8AR34-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR34-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR34-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR34-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR34-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-8AR34-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-8AR34-4CA0	10100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-8AR34-4CA0	10700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - Square-law torque drive																							
560	490	**1NC1 402-2AC00-4AG0**	2982	96.3	0.94	520	1793	4.10	9.0	3600	415	2686	96.3	0.92	285	2389	96.2	0.88	140	1853	95.6	0.81
560	490	**1NC1 402-2AC00-4CG0**	2982	96.2	0.94	520	1793	4.00	11.0	3600	415	2686	96.1	0.92	285	2389	96.0	0.88	140	1853	95.2	0.80
630	560	**1NC1 404-2AC00-4AG0**	2984	96.6	0.94	580	2016	4.60	10.0	3600	470	2687	96.5	0.92	320	2390	96.3	0.87	155	1854	95.6	0.79
630	560	**1NC1 404-2AC00-4CG0**	2984	96.4	0.94	580	2016	4.50	12.0	3600	470	2688	96.3	0.91	320	2391	96.1	0.87	155	1854	95.2	0.78
710	630	**1NC1 406-2AC00-4AG0**	2985	96.8	0.93	660	2271	4.70	11.0	3600	530	2688	96.7	0.91	360	2391	96.5	0.87	175	1854	95.8	0.78
710	630	**1NC1 406-2AC00-4CG0**	2986	96.7	0.93	660	2271	4.60	13.0	3600	530	2689	96.5	0.91	360	2392	96.3	0.86	175	1855	95.5	0.77
710	630	**1NC1 452-2AC00-4AG0**	2987	96.9	0.93	660	2270	3.20	11.0	3600	530	2690	97.0	0.91	360	2392	96.9	0.88	175	1855	96.6	0.82
710	630	**1NC1 452-2AC00-4CG0**	2987	96.8	0.93	660	2270	3.10	15.0	3600	530	2690	96.8	0.91	360	2392	96.8	0.88	175	1855	96.3	0.82
800	710	**1NC1 454-2AC00-4AG0**	2987	97.0	0.94	730	2558	3.50	12.0	3600	595	2690	97.0	0.92	405	2392	97.0	0.89	195	1855	96.6	0.84
800	710	**1NC1 454-2AC00-4CG0**	2987	96.9	0.94	730	2558	3.40	17.0	3600	595	2690	96.8	0.92	405	2392	96.8	0.89	195	1855	96.3	0.83
900	790	**1NC1 456-2AC00-4AG0**	2989	97.2	0.94	820	2875	4.20	14.0	3600	670	2691	97.1	0.92	455	2393	97.0	0.88	220	1856	96.5	0.81
900	790	**1NC1 456-2AC00-4CG0**	2989	97.1	0.94	830	2875	4.10	19.0	3600	670	2691	97.0	0.92	455	2394	96.9	0.88	220	1856	96.3	0.81
1050	930	**1NC1 502-2AC00-4CG0**	2987	96.5	0.90	1020	3357	3.10	25.0	3000	780	2690	96.4	0.90	530	2392	96.3	0.87	260	1855	95.4	0.81
1050	930	**1NC1 502-2AC00-4AG0**	2986	96.6	0.89	1020	3358	3.10	19.0	3000	780	2689	96.7	0.89	530	2392	96.6	0.87	260	1855	95.9	0.81
1200	1060	**1NC1 504-2AC00-4CG0**	2989	96.8	0.90	1160	3834	3.70	28.0	3000	890	2692	96.6	0.89	605	2394	96.4	0.86	295	1856	95.3	0.78
1200	1060	**1NC1 504-2AC00-4AG0**	2989	96.9	0.90	1160	3834	3.70	21.0	3000	890	2691	96.8	0.89	605	2393	96.7	0.86	295	1856	95.9	0.78
1300	1150	**1NC1 506-2AC00-4CG0**	2989	96.8	0.91	1240	4153	3.60	31.0	3000	965	2691	96.7	0.91	655	2393	96.5	0.88	320	1856	95.5	0.81
1300	1150	**1NC1 506-2AC00-4AG0**	2988	97.0	0.91	1240	4155	3.80	24.0	3000	965	2691	96.9	0.90	655	2393	96.8	0.88	320	1856	95.9	0.81
1400	1230	**1NC1 564-2AC00-4CG0**	2993	96.9	0.90	1340	4467	3.90	46.0	3000	1040	2694	96.6	0.88	705	2396	96.3	0.85	345	1857	95.2	0.76
1600	1410	**1NC1 566-2AC00-4CG0**	2992	97.0	0.92	1500	5107	3.70	51.0	3000	1190	2694	96.7	0.90	805	2395	96.5	0.88	395	1857	95.4	0.80
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - Square-law torque drive																							
630	560	**1NC1 404-4AC00-4AG0**	1492	96.4	0.90	610	4032	3.50	14.0	2600	470	1343	96.0	0.88	320	1195	95.7	0.84	155	927	94.4	0.74
630	560	**1NC1 404-4AC00-4CG0**	1490	96.4	0.89	610	4038	3.10	19.0	2600	470	1342	96.1	0.88	320	1194	96.0	0.84	155	926	94.9	0.75
710	630	**1NC1 406-4AC00-4AG0**	1491	96.4	0.91	680	4547	3.50	16.0	2600	530	1343	96.0	0.89	360	1195	95.8	0.85	175	927	94.5	0.76
710	630	**1NC1 406-4AC00-4CG0**	1490	96.5	0.90	680	4550	3.10	21.0	2600	530	1342	96.2	0.88	360	1194	96.1	0.85	175	926	95.1	0.76
800	710	**1NC1 452-4AC00-4AG0**	1493	96.7	0.89	780	5117	3.50	22.0	2400	595	1344	96.4	0.86	405	1196	96.2	0.81	195	927	95.1	0.71
800	710	**1NC1 452-4AC00-4CG0**	1492	96.6	0.88	790	5120	3.20	29.0	2400	595	1344	96.4	0.85	405	1196	96.2	0.81	195	927	95.2	0.71
900	790	**1NC1 454-4AC00-4AG0**	1493	96.8	0.89	870	5756	3.70	25.0	2400	670	1344	96.5	0.86	455	1196	96.2	0.81	220	927	95.1	0.71
900	790	**1NC1 454-4AC00-4CG0**	1493	96.7	0.88	880	5756	3.30	32.0	2400	670	1344	96.5	0.86	455	1196	96.2	0.81	220	927	95.2	0.70
1000	880	**1NC1 456-4AC00-4CG0**	1493	96.9	0.89	970	6396	3.50	37.0	2400	745	1345	96.5	0.86	505	1196	96.3	0.81	245	928	95.2	0.71
1000	880	**1NC1 456-4AC00-4AG0**	1493	96.9	0.90	960	6396	3.90	29.0	2400	745	1345	96.5	0.87	505	1196	96.3	0.82	245	927	95.1	0.71
1050	930	**1NC1 502-4AC00-4CG0**	1493	96.2	0.87	1040	6716	2.80	35.0	2200	780	1344	96.1	0.85	530	1196	95.9	0.81	260	927	95.0	0.71
1050	930	**1NC1 502-4AC00-4AG0**	1493	96.1	0.87	1060	6716	3.50	26.0	2200	780	1344	95.9	0.85	530	1196	95.7	0.79	260	927	94.5	0.68
1200	1060	**1NC1 504-4AC00-4CG0**	1493	96.5	0.86	1200	7675	2.70	40.0	2200	895	1345	96.3	0.85	605	1196	96.2	0.81	295	928	95.1	0.71

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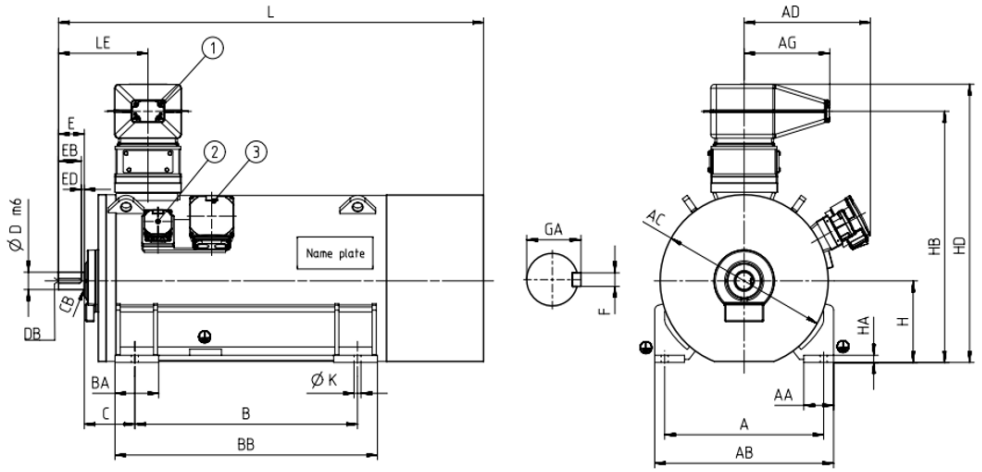
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque																						
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F									Partial load values for square-law torque drive										
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1200	1060	**1NC1 504-4AC00-4AG0**	1493	96.4	0.87	1200	7675	3.50	30.0	2200	895	1344	96.2	0.85	605	1196	95.9	0.80	295	927	94.6	0.69
1300	1150	**1NC1 506-4AC00-4CG0**	1493	96.5	0.88	1280	8315	2.80	45.0	2200	965	1345	96.4	0.86	655	1196	96.2	0.83	320	928	95.0	0.73
1300	1150	**1NC1 506-4AC00-4AG0**	1493	96.5	0.89	1260	8315	3.60	35.0	2200	965	1344	96.2	0.87	655	1196	95.9	0.82	320	927	94.6	0.72
1400	1230	**1NC1 562-4AC00-4CG0**	1493	96.4	0.88	1380	8954	2.70	68.0	2000	1040	1345	96.3	0.87	705	1196	96.2	0.83	345	928	95.4	0.75
1400	1230	**1NC1 562-4AC00-4AG0**	1494	96.4	0.88	1380	8948	3.10	50.0	2000	1040	1345	96.3	0.87	705	1196	96.0	0.83	345	928	95.2	0.74
1600	1410	**1NC1 564-4AC00-4AG0**	1494	96.7	0.89	1560	10227	3.20	55.0	2000	1190	1345	96.4	0.87	810	1197	96.2	0.82	395	928	95.1	0.73
1600	1410	**1NC1 564-4AC00-4CG0**	1494	96.8	0.88	1580	10227	2.80	75.0	2000	1190	1345	96.5	0.86	810	1196	96.3	0.83	395	928	95.3	0.74
1800	1590	**1NC1 566-4AC00-4AG0**	1493	96.8	0.90	1720	11513	3.00	62.0	2000	1340	1345	96.6	0.88	910	1196	96.4	0.85	445	928	95.5	0.77
1800	1590	**1NC1 566-4AC00-4CG0**	1493	96.9	0.89	1740	11513	2.60	83.0	2000	1340	1345	96.6	0.88	910	1196	96.5	0.85	445	928	95.6	0.78
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - Square-law torque drive																						
500	440	**1NC1 404-6AC00-4AG0**	995	96.1	0.88	495	4799	3.40	25.0	2400	370	896	95.6	0.86	250	797	95.2	0.82	125	618	93.3	0.72
500	440	**1NC1 404-6AC00-4CG0**	994	96.2	0.87	500	4803	2.90	32.0	2400	370	895	95.9	0.86	255	796	95.7	0.82	125	618	94.4	0.73
560	490	**1NC1 406-6AC00-4AG0**	995	96.2	0.89	550	5374	3.40	28.0	2400	415	896	95.7	0.87	285	797	95.3	0.83	140	618	93.5	0.73
560	490	**1NC1 406-6AC00-4CG0**	994	96.3	0.88	550	5380	2.90	37.0	2400	415	895	96.1	0.86	285	797	95.8	0.83	140	618	94.5	0.74
630	560	**1NC1 452-6AC00-4AG0**	995	96.3	0.84	650	6046	3.60	33.0	2200	470	896	95.6	0.80	320	797	95.3	0.74	155	618	93.5	0.61
630	560	**1NC1 452-6AC00-4CG0**	994	96.5	0.84	650	6052	3.10	42.0	2200	470	896	96.0	0.81	320	797	95.8	0.77	155	618	94.4	0.65
710	630	**1NC1 454-6AC00-4AG0**	995	96.4	0.84	730	6814	3.70	38.0	2200	530	896	95.7	0.80	360	797	95.3	0.74	175	618	93.6	0.61
710	630	**1NC1 454-6AC00-4CG0**	995	96.6	0.84	730	6814	3.30	47.0	2200	530	896	96.1	0.81	360	797	95.9	0.77	175	618	94.5	0.64
800	710	**1NC1 456-6AC00-4AG0**	996	96.4	0.83	840	7670	4.40	44.0	2200	595	897	95.5	0.77	405	798	95.0	0.70	195	618	92.8	0.55
800	710	**1NC1 456-6AC00-4CG0**	995	96.6	0.84	820	7678	3.80	55.0	2200	595	897	96.0	0.79	405	797	95.7	0.73	195	618	94.0	0.59
900	790	**1NC1 500-6AC00-4CG0**	994	96.3	0.86	910	8646	2.10	57.0	2100	670	895	96.3	0.86	455	797	96.3	0.84	220	618	95.3	0.75
900	790	**1NC1 500-6AC00-4AG0**	992	96.1	0.84	930	8664	2.20	44.0	2100	670	894	96.1	0.83	455	796	96.0	0.82	220	617	95.0	0.74
1000	880	**1NC1 502-6AC00-4AG0**	993	96.4	0.83	1040	9617	2.50	50.0	2100	745	895	96.3	0.82	505	796	96.1	0.80	245	618	95.0	0.70
1000	880	**1NC1 502-6AC00-4CG0**	995	96.6	0.86	1000	9597	2.40	65.0	2100	745	896	96.5	0.84	505	797	96.4	0.81	245	618	95.4	0.71
1120	990	**1NC1 504-6AC00-4CG0**	995	96.6	0.87	1120	10749	2.20	74.0	2100	835	896	96.6	0.86	565	797	96.5	0.84	275	618	95.5	0.75
1120	990	**1NC1 504-6AC00-4AG0**	993	96.4	0.85	1140	10771	2.30	57.0	2100	835	894	96.4	0.85	565	796	96.2	0.83	275	617	95.2	0.74
1250	1100	**1NC1 506-6AC00-4CG0**	995	96.7	0.87	1240	11997	2.40	83.0	2100	930	896	96.6	0.86	630	797	96.4	0.83	310	618	95.2	0.73
1250	1100	**1NC1 506-6AC00-4AG0**	993	96.5	0.86	1260	12021	2.60	65.0	2100	930	895	96.4	0.84	630	796	96.1	0.82	310	618	94.8	0.72
1300	1150	**1NC1 562-6AC00-4CG0**	995	96.9	0.87	1300	12476	2.80	116.0	2000	965	896	96.8	0.86	655	797	96.6	0.83	320	618	95.4	0.73
1500	1320	**1NC1 564-6AC00-4CG0**	996	97.0	0.87	1480	14381	3.10	132.0	2000	1115	897	96.8	0.85	755	798	96.5	0.82	370	618	95.0	0.70
1700	1500	**1NC1 566-6AC00-4CG0**	997	97.1	0.85	1720	16283	3.70	147.0	2000	1265	897	96.6	0.82	860	798	96.2	0.77	420	619	94.4	0.64
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - Square-law torque drive																						
375	330	**1NC1 404-8AC00-4AG0**	745	95.7	0.83	395	4807	3.40	26.0	2400	280	671	95.0	0.79	190	597	94.4	0.72	95	463	91.8	0.59
375	330	**1NC1 404-8AC00-4CG0**	744	95.7	0.81	405	4813	2.90	32.0	2400	280	670	95.2	0.78	190	596	94.7	0.72	95	463	92.6	0.60
420	370	**1NC1 406-8AC00-4AG0**	744	95.8	0.84	435	5391	3.20	29.0	2400	315	671	95.2	0.80	210	597	94.7	0.74	105	463	92.3	0.62

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SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD square-law torque

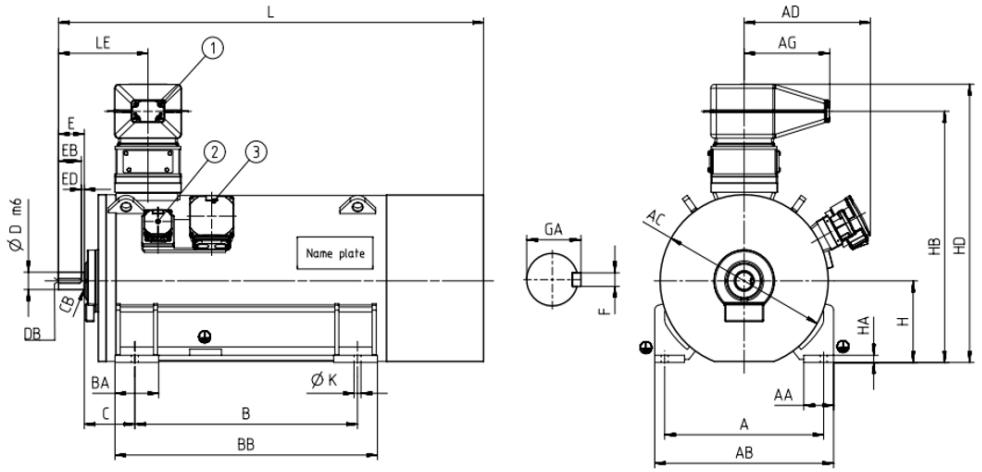
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
420	370	**1NC1 406-8AC00-4CG0**	743	95.7	0.82	450	5398	2.80	36.0	2400	315	670	95.3	0.80	210	596	94.9	0.74	105	463	92.9	0.62
530	470	**1NC1 452-8AC00-4AG0**	744	95.7	0.78	590	6803	2.70	33.0	2200	395	671	95.2	0.75	270	597	94.7	0.70	130	463	92.7	0.57
530	470	**1NC1 452-8AC00-4CG0**	743	95.7	0.78	590	6812	2.70	41.0	2200	395	669	95.3	0.76	270	596	95.0	0.72	130	462	93.4	0.60
600	530	**1NC1 454-8AC00-4AG0**	745	95.8	0.79	660	7691	2.80	38.0	2200	445	671	95.2	0.76	305	597	94.7	0.70	150	463	92.6	0.57
600	530	**1NC1 454-8AC00-4CG0**	743	95.8	0.79	660	7711	2.90	47.0	2200	445	670	95.4	0.76	305	596	95.0	0.72	150	463	93.3	0.59
670	590	**1NC1 456-8AC00-4AG0**	745	95.9	0.79	740	8588	3.10	45.0	2200	500	671	95.1	0.75	340	597	94.5	0.69	165	463	92.2	0.55
670	590	**1NC1 456-8AC00-4CG0**	744	95.9	0.79	740	8600	3.20	55.0	2200	500	670	95.3	0.76	340	597	94.9	0.70	165	463	93.0	0.57
710	630	**1NC1 502-8AC00-4CG0**	745	95.7	0.85	730	9101	2.30	65.0	2100	530	671	95.5	0.82	360	597	95.4	0.78	175	463	94.1	0.68
710	630	**1NC1 502-8AC00-4AG0**	744	95.8	0.80	780	9113	1.90	50.0	2100	530	670	95.7	0.79	360	597	95.7	0.76	175	463	94.6	0.66
800	710	**1NC1 504-8AC00-4AG0**	744	96.0	0.80	870	10268	2.20	56.0	2100	595	671	95.8	0.78	405	597	95.6	0.74	200	463	94.3	0.63
800	710	**1NC1 504-8AC00-4CG0**	745	95.9	0.84	830	10254	2.50	73.0	2100	595	671	95.6	0.81	405	597	95.3	0.76	195	463	93.7	0.64
900	790	**1NC1 506-8AC00-4AG0**	745	96.0	0.81	970	11536	2.30	64.0	2100	670	671	95.7	0.78	455	597	95.5	0.73	220	463	93.9	0.62
900	790	**1NC1 506-8AC00-4CG0**	746	95.9	0.84	930	11521	2.70	83.0	2100	670	672	95.5	0.81	455	597	95.2	0.75	220	463	93.3	0.63
1120	990	**1NC1 562-8AC00-4CG0**	745	96.6	0.84	1160	14356	2.20	115.0	2000	835	671	96.4	0.83	565	597	96.1	0.80	275	463	94.8	0.69
1250	1100	**1NC1 564-8AC00-4CG0**	745	96.6	0.84	1280	16022	2.40	132.0	2000	930	671	96.5	0.83	630	597	96.2	0.79	310	463	94.8	0.68
1400	1230	**1NC1 566-8AC00-4CG0**	745	96.7	0.85	1420	17945	2.20	147.0	2000	1040	671	96.6	0.84	705	597	96.4	0.81	345	463	95.1	0.71

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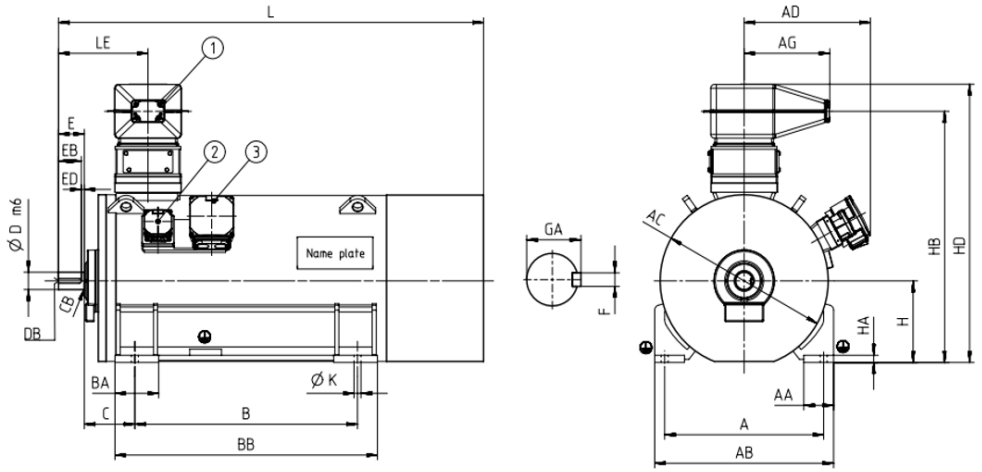
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 402-2AC00-4AG0	3405	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 402-2AC00-4CG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC00-4AG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC00-4CG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC00-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC00-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 452-2AC00-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 452-2AC00-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AC00-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AC00-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AC00-4AG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AC00-4CG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 502-2AC00-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 502-2AC00-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AC00-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AC00-4AG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AC00-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AC00-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 564-2AC00-4CG0	7895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
1NC1 566-2AC00-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.

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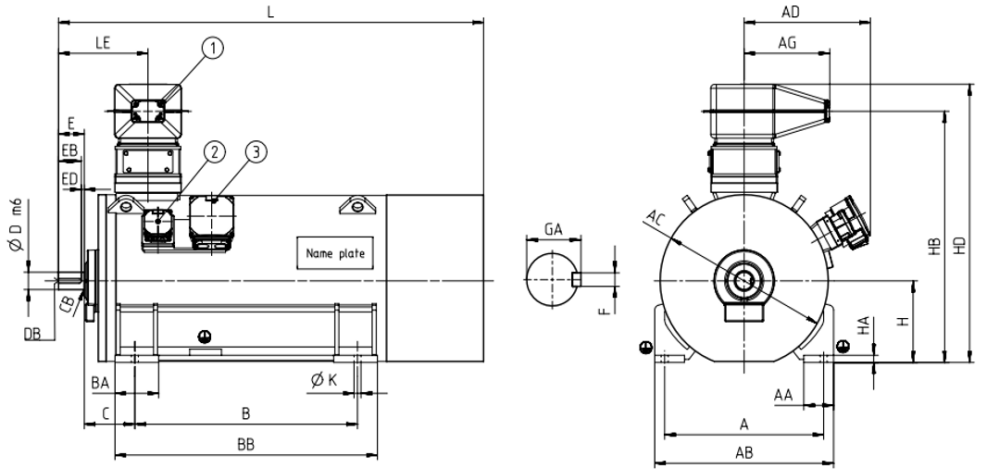
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
4-pole																			
1NC1 404-4AC00-4AG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-4AC00-4CG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC00-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC00-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-4AC00-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AC00-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC00-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC00-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC00-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC00-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AC00-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AC00-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC00-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC00-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC00-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC00-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-4AC00-4CG0	7995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AC00-4AG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC00-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC00-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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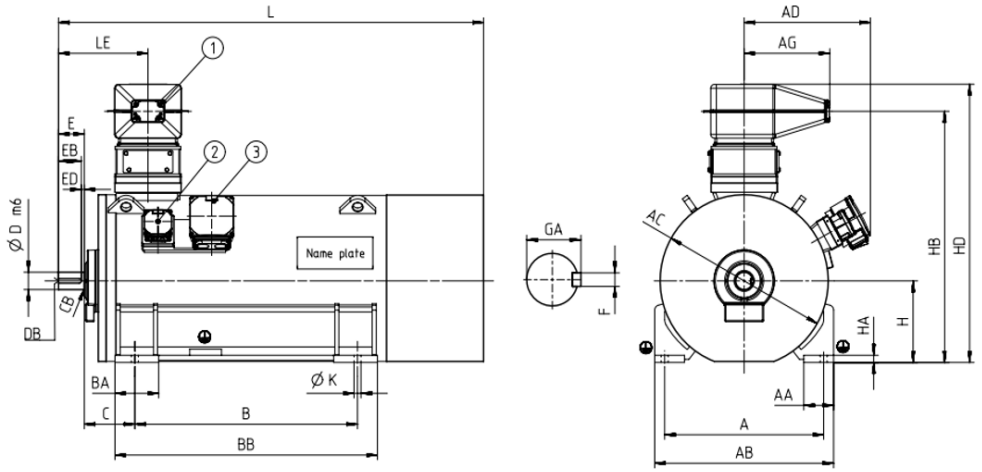
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 566-4AC00-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AC00-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 404-6AC00-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-6AC00-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC00-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC00-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-6AC00-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AC00-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC00-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC00-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AC00-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AC00-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AC00-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AC00-4AG0	5575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC00-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC00-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC00-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC00-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC00-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC00-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.

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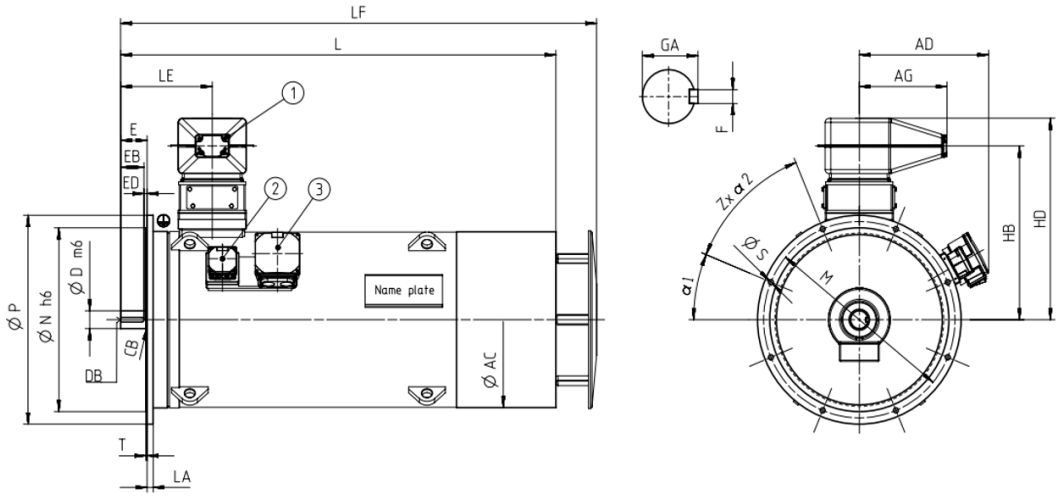
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 562-6AC00-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AC00-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AC00-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 404-8AC00-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-8AC00-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC00-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC00-4CG0	4105	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-8AC00-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AC00-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AC00-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AC00-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC00-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC00-4CG0	5225	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AC00-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AC00-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC00-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC00-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC00-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC00-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AC00-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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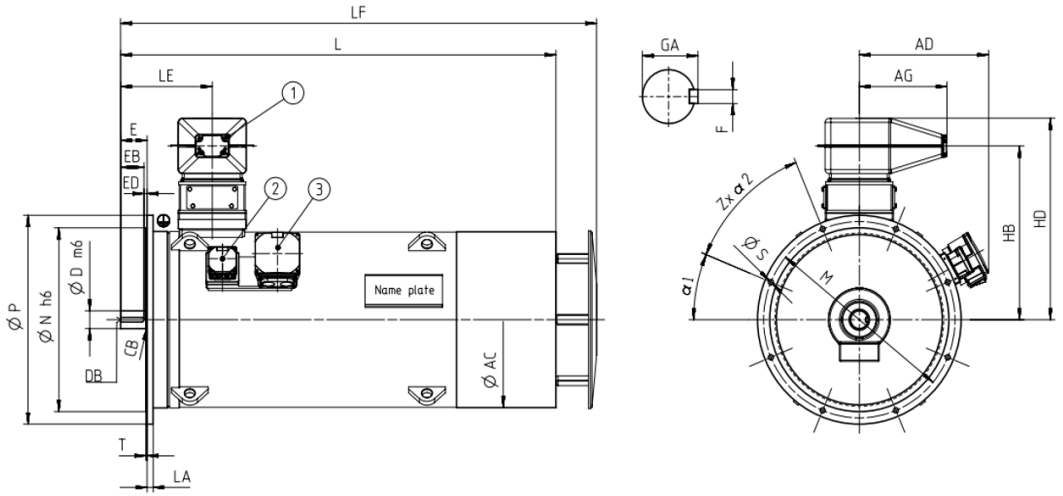
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 564-8AC00-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AC00-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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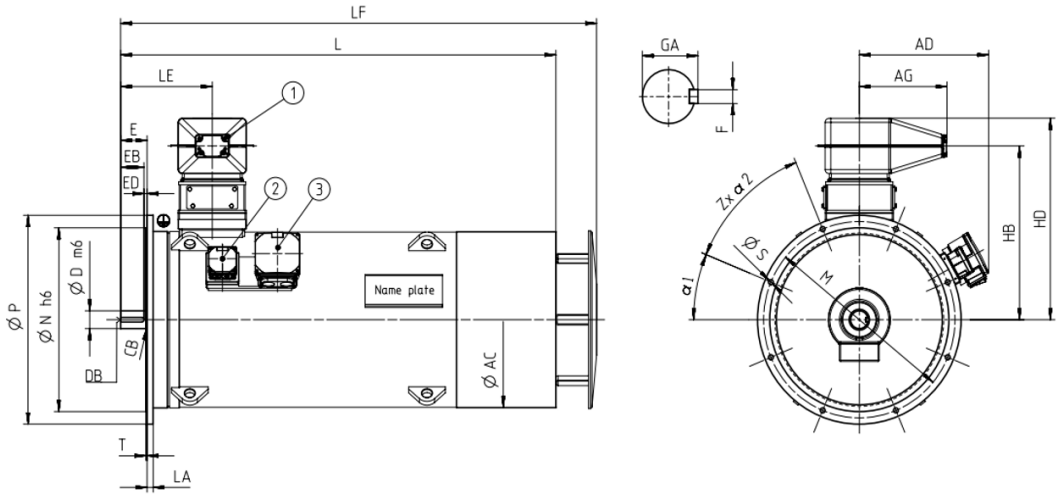
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NC1 402-2AC04-4AG0	4000	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 402-2AC04-4CG0	4000	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AC04-4AG0	4100	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AC04-4CG0	4200	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AC04-4AG0	4300	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AC04-4CG0	4400	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
4-pole													
1NC1 404-4AC04-4AG0	4200	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AC04-4CG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC04-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC04-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-4AC04-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AC04-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC04-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC04-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC04-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC04-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AC04-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AC04-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AC04-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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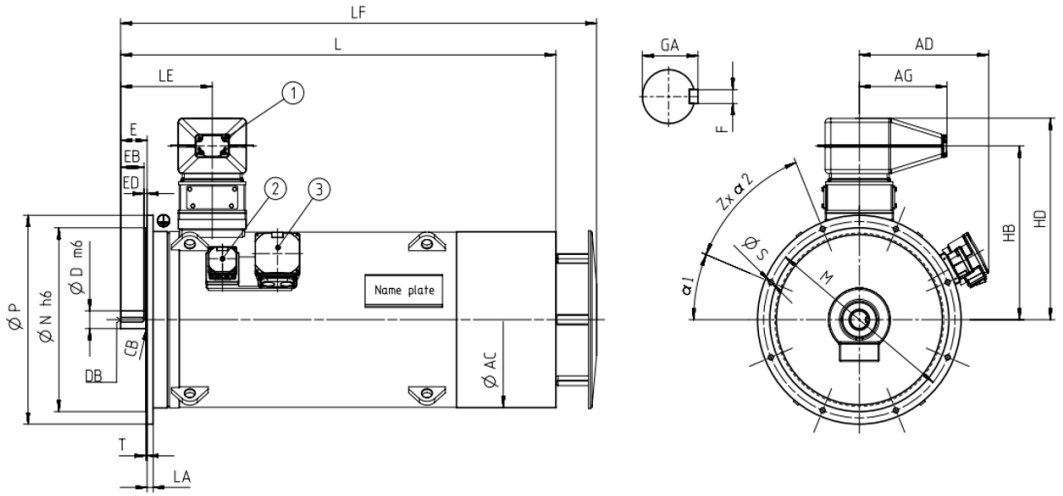
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 504-4AC04-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC04-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC04-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-4AC04-4CG0	9300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AC04-4AG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC04-4AG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC04-4CG0	9800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AC04-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AC04-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
6-pole													
1NC1 404-6AC04-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-6AC04-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC04-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC04-4CG0	4800	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-6AC04-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AC04-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC04-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC04-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC04-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC04-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AC04-4CG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 500-6AC04-4AG0	6600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC04-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC04-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC04-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC04-4AG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC04-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC04-4AG0	7700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AC04-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AC04-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AC04-4CG0	10900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													
1NC1 404-8AC04-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-8AC04-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC04-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC04-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-8AC04-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AC04-4CG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC04-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC04-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC04-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC04-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 502-8AC04-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AC04-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC04-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC04-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC04-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC04-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AC04-4CG0	9700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AC04-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AC04-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n ^{2}	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
											P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit												
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - Square-law torque drive																						
630	560	**1NC1 402-2AC10-4AG0**	3584	96.2	0.93	590	1679	4.40	9.0	3600	475	3287	96.3	0.91	320	2870	95.7	0.86	160	2274	94.8	0.78
630	560	**1NC1 402-2AC10-4CG0**	3584	96.1	0.93	590	1679	4.30	11.0	3600	480	3288	96.2	0.90	320	2871	95.5	0.86	160	2274	94.4	0.77
710	630	**1NC1 404-2AC10-4AG0**	3584	96.4	0.93	660	1892	4.60	10.0	3600	540	3288	96.5	0.91	360	2871	96.0	0.87	180	2274	95.1	0.78
710	630	**1NC1 404-2AC10-4CG0**	3585	96.3	0.93	660	1891	4.50	12.0	3600	540	3288	96.4	0.91	360	2871	95.7	0.86	180	2274	94.7	0.77
800	710	**1NC1 406-2AC10-4AG0**	3585	96.5	0.94	740	2131	4.90	11.0	3600	605	3288	96.6	0.92	405	2871	96.0	0.87	200	2274	95.1	0.79
800	710	**1NC1 406-2AC10-4CG0**	3585	96.4	0.94	740	2131	4.80	13.0	3600	605	3289	96.5	0.91	405	2871	95.8	0.87	200	2275	94.7	0.78
800	700	**1NC1 452-2AC10-4CG0**	3585	96.5	0.94	740	2131	3.00	16.0	3600	605	3289	96.6	0.92	405	2871	96.3	0.90	200	2275	95.7	0.84
900	790	**1NC1 454-2AC10-4CG0**	3589	96.7	0.93	840	2395	3.90	18.0	3600	680	3291	96.8	0.91	455	2874	96.3	0.88	225	2276	95.5	0.80
1000	880	**1NC1 456-2AC10-4CG0**	3587	96.8	0.94	920	2662	3.30	20.0	3600	755	3290	97.0	0.93	505	2872	96.6	0.90	250	2275	96.0	0.85
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - Square-law torque drive																						
710	630	**1NC1 404-4AC10-4AG0**	1791	96.3	0.90	690	3786	3.30	14.0	2600	540	1643	96.5	0.88	360	1435	95.5	0.85	180	1137	94.0	0.76
710	630	**1NC1 404-4AC10-4CG0**	1790	96.3	0.89	690	3788	2.90	19.0	2600	540	1642	96.5	0.88	360	1434	95.8	0.85	180	1136	94.6	0.77
800	710	**1NC1 406-4AC10-4AG0**	1792	96.4	0.90	770	4263	3.50	16.0	2600	605	1644	96.6	0.88	405	1435	95.4	0.84	200	1137	93.8	0.74
800	710	**1NC1 406-4AC10-4CG0**	1791	96.4	0.89	780	4265	3.10	21.0	2600	605	1643	96.6	0.87	405	1435	95.8	0.84	200	1137	94.5	0.75
900	790	**1NC1 452-4AC10-4AG0**	1793	96.6	0.89	880	4793	3.50	22.0	2400	680	1644	96.8	0.87	455	1436	95.8	0.82	225	1137	94.5	0.72
900	790	**1NC1 452-4AC10-4CG0**	1792	96.5	0.88	890	4796	3.20	29.0	2400	680	1644	96.7	0.86	455	1436	95.8	0.81	225	1137	94.6	0.71
1000	880	**1NC1 454-4AC10-4AG0**	1794	96.7	0.89	970	5323	4.20	25.0	2400	760	1645	96.8	0.85	505	1436	95.5	0.79	250	1138	93.9	0.67
1000	880	**1NC1 454-4AC10-4CG0**	1794	96.6	0.88	980	5323	3.80	32.0	2400	760	1645	96.7	0.84	505	1436	95.6	0.78	250	1138	94.1	0.66
1120	990	**1NC1 456-4AC10-4AG0**	1794	96.9	0.89	1080	5962	4.30	29.0	2400	850	1645	97.0	0.86	565	1436	95.8	0.81	280	1138	94.2	0.69
1120	990	**1NC1 456-4AC10-4CG0**	1794	96.8	0.89	1080	5962	3.80	37.0	2400	850	1645	96.9	0.85	565	1436	95.8	0.80	280	1138	94.4	0.68
1200	1060	**1NC1 502-4AC10-4CG0**	1792	96.1	0.86	1220	6395	2.50	35.0	2200	910	1644	96.2	0.85	605	1436	95.6	0.81	300	1137	94.4	0.72
1200	1060	**1NC1 502-4AC10-4AG0**	1792	96.0	0.87	1200	6395	3.10	26.0	2200	910	1644	96.1	0.85	605	1435	95.3	0.81	300	1137	93.9	0.71
1300	1150	**1NC1 504-4AC10-4CG0**	1792	96.2	0.88	1280	6928	2.60	40.0	2200	985	1644	96.3	0.86	655	1436	95.7	0.83	330	1137	94.4	0.75
1300	1150	**1NC1 504-4AC10-4AG0**	1792	96.1	0.89	1280	6928	3.20	30.0	2200	985	1644	96.2	0.87	655	1435	95.4	0.83	330	1137	93.9	0.74
1500	1320	**1NC1 506-4AC10-4AG0**	1793	96.4	0.88	1480	7989	3.70	35.0	2200	1135	1645	96.4	0.85	755	1436	95.4	0.80	380	1138	93.6	0.69
1500	1320	**1NC1 506-4AC10-4CG0**	1794	96.5	0.87	1500	7984	2.90	45.0	2200	1135	1645	96.6	0.85	755	1436	95.7	0.81	380	1138	94.2	0.71
1600	1410	**1NC1 562-4AC10-4CG0**	1793	96.2	0.88	1580	8521	2.60	68.0	2000	1210	1645	96.3	0.87	810	1436	95.5	0.83	405	1138	94.3	0.75
1600	1410	**1NC1 562-4AC10-4AG0**	1794	96.1	0.88	1580	8517	3.00	50.0	2000	1215	1645	96.1	0.87	810	1436	95.3	0.83	405	1138	94.0	0.74
1800	1590	**1NC1 564-4AC10-4AG0**	1794	96.2	0.88	1780	9581	3.20	55.0	2000	1365	1646	96.3	0.86	910	1437	95.5	0.82	455	1138	94.2	0.72
1800	1590	**1NC1 564-4AC10-4CG0**	1794	96.4	0.88	1780	9581	2.80	75.0	2000	1365	1645	96.5	0.86	910	1437	95.7	0.82	455	1138	94.6	0.73
2000	1760	**1NC1 566-4AC10-4AG0**	1793	96.4	0.89	1960	10652	3.00	62.0	2000	1515	1645	96.5	0.88	1010	1436	95.8	0.85	505	1138	94.8	0.77
2000	1760	**1NC1 566-4AC10-4CG0**	1793	96.5	0.89	1940	10652	2.60	83.0	2000	1515	1645	96.7	0.88	1010	1436	96.0	0.85	505	1138	94.9	0.77
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - Square-law torque drive																						
560	490	**1NC1 404-6AC10-4AG0**	1195	96.2	0.88	550	4475	3.50	25.0	2400	425	1096	96.4	0.86	285	957	94.7	0.82	140	758	92.4	0.71

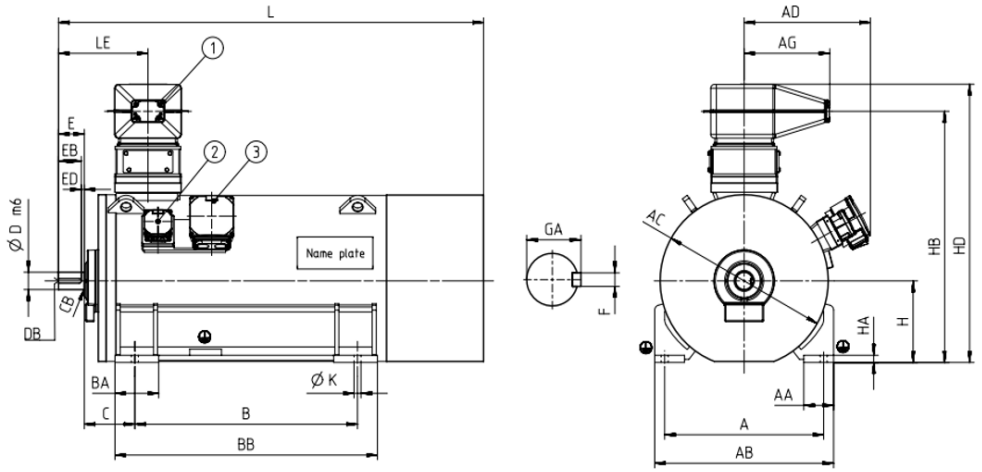
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SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
											P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit												
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
560	490	**1NC1 404-6AC10-4CG0**	1194	96.3	0.88	550	4479	3.00	32.0	2400	425	1095	96.6	0.86	285	957	95.4	0.82	140	758	93.7	0.72
630	560	**1NC1 406-6AC10-4AG0**	1195	96.3	0.88	620	5034	3.70	28.0	2400	475	1097	96.4	0.85	320	957	94.6	0.80	160	758	91.8	0.69
630	560	**1NC1 406-6AC10-4CG0**	1195	96.4	0.88	620	5034	3.30	37.0	2400	475	1096	96.7	0.85	320	957	95.4	0.81	160	758	93.3	0.71
710	630	**1NC1 452-6AC10-4AG0**	1195	96.4	0.84	730	5674	3.40	33.0	2200	540	1096	96.4	0.81	360	957	95.1	0.76	180	758	93.2	0.64
710	630	**1NC1 452-6AC10-4CG0**	1194	96.6	0.84	730	5678	3.00	42.0	2200	540	1095	96.7	0.82	360	957	95.7	0.78	180	758	94.2	0.67
800	710	**1NC1 454-6AC10-4AG0**	1196	96.3	0.83	840	6387	4.10	38.0	2200	605	1097	96.3	0.78	405	957	94.6	0.71	200	758	92.2	0.57
800	710	**1NC1 454-6AC10-4CG0**	1195	96.6	0.84	820	6393	3.60	47.0	2200	605	1096	96.7	0.79	405	957	95.4	0.74	200	758	93.5	0.60
900	790	**1NC1 456-6AC10-4AG0**	1196	96.5	0.83	940	7186	4.20	44.0	2200	680	1097	96.5	0.78	455	957	94.9	0.72	225	758	92.6	0.58
900	790	**1NC1 456-6AC10-4CG0**	1195	96.8	0.84	930	7192	3.70	55.0	2200	680	1096	96.8	0.80	455	957	95.5	0.74	225	758	93.7	0.61
1000	880	**1NC1 500-6AC10-4CG0**	1195	96.4	0.86	1000	7991	2.30	57.0	2100	760	1096	96.6	0.84	505	957	96.0	0.81	250	758	94.8	0.71
1000	880	**1NC1 500-6AC10-4AG0**	1193	96.3	0.83	1040	8004	2.40	44.0	2100	760	1095	96.5	0.82	505	956	95.8	0.79	250	758	94.5	0.69
1120	990	**1NC1 502-6AC10-4CG0**	1195	96.6	0.86	1120	8950	2.40	65.0	2100	850	1096	96.7	0.84	565	957	96.1	0.81	280	758	94.8	0.71
1120	990	**1NC1 502-6AC10-4AG0**	1193	96.4	0.84	1160	8965	2.50	50.0	2100	850	1095	96.6	0.82	565	956	95.9	0.80	280	758	94.4	0.70
1250	1100	**1NC1 504-6AC10-4CG0**	1196	96.7	0.85	1280	9980	2.80	74.0	2100	945	1097	96.8	0.83	630	958	96.0	0.79	315	758	94.5	0.66
1250	1100	**1NC1 504-6AC10-4AG0**	1194	96.5	0.84	1300	9997	2.90	57.0	2100	945	1096	96.7	0.81	630	957	95.7	0.77	315	758	94.0	0.65
1400	1230	**1NC1 506-6AC10-4CG0**	1195	96.7	0.87	1400	11187	2.60	83.0	2100	1060	1097	96.9	0.85	705	957	96.1	0.82	355	758	94.7	0.71
1400	1230	**1NC1 506-6AC10-4AG0**	1194	96.6	0.85	1420	11197	2.80	65.0	2100	1060	1095	96.8	0.84	705	957	95.9	0.80	355	758	94.2	0.70
1400	1230	**1NC1 562-6AC10-4CG0**	1196	96.7	0.86	1400	11178	3.40	116.0	2000	1060	1097	96.8	0.83	705	958	95.7	0.79	355	759	93.7	0.66
1600	1410	**1NC1 564-6AC10-4CG0**	1197	96.9	0.85	1620	12764	3.80	132.0	2000	1210	1097	96.9	0.82	810	958	95.5	0.77	405	759	93.2	0.63
1800	1590	**1NC1 566-6AC10-4CG0**	1196	97.0	0.87	1780	14372	3.30	147.0	2000	1365	1097	97.1	0.84	910	958	95.8	0.81	455	759	93.8	0.69
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - Square-law torque drive																						
420	370	**1NC1 404-8AC10-4AG0**	895	95.9	0.81	450	4481	3.80	26.0	2400	320	821	95.8	0.76	210	717	93.7	0.68	105	568	90.3	0.54
420	370	**1NC1 404-8AC10-4CG0**	894	95.9	0.80	460	4486	3.20	32.0	2400	320	821	95.9	0.76	210	717	94.2	0.69	105	568	91.5	0.56
470	410	**1NC1 406-8AC10-4AG0**	895	96.0	0.82	500	5015	3.80	29.0	2400	355	821	95.9	0.77	235	717	93.8	0.70	120	568	90.6	0.56
470	410	**1NC1 406-8AC10-4CG0**	895	96.0	0.81	510	5015	3.20	36.0	2400	355	821	96.0	0.77	235	717	94.3	0.70	120	568	91.6	0.57
600	530	**1NC1 452-8AC10-4AG0**	894	95.8	0.79	660	6409	2.60	33.0	2200	455	821	96.0	0.76	305	717	94.5	0.72	150	568	92.3	0.60
600	530	**1NC1 452-8AC10-4CG0**	892	95.8	0.78	670	6423	2.60	41.0	2200	455	819	96.0	0.77	305	716	94.9	0.73	150	567	93.0	0.61
670	590	**1NC1 454-8AC10-4AG0**	894	96.0	0.80	730	7157	2.60	38.0	2200	510	821	96.1	0.77	340	717	94.7	0.73	170	568	92.5	0.60
670	590	**1NC1 454-8AC10-4CG0**	893	96.0	0.79	740	7165	2.70	47.0	2200	510	820	96.2	0.77	340	716	95.0	0.74	170	567	93.1	0.62
750	660	**1NC1 456-8AC10-4CG0**	895	96.2	0.77	850	8002	3.50	55.0	2200	570	821	96.2	0.72	380	717	94.5	0.66	190	568	92.1	0.51
750	660	**1NC1 456-8AC10-4AG0**	896	96.0	0.76	860	7993	3.50	45.0	2200	570	822	96.0	0.71	380	718	93.9	0.64	190	568	90.9	0.49
800	710	**1NC1 502-8AC10-4CG0**	895	95.7	0.84	830	8536	2.40	65.0	2100	605	821	95.7	0.82	405	717	95.1	0.77	200	568	93.4	0.67
800	710	**1NC1 502-8AC10-4AG0**	894	95.9	0.80	870	8545	2.00	50.0	2100	605	821	95.9	0.79	405	717	95.5	0.75	200	568	94.1	0.66
900	790	**1NC1 504-8AC10-4AG0**	894	96.0	0.81	970	9613	2.10	56.0	2100	680	821	96.0	0.79	455	717	95.4	0.75	225	568	93.8	0.65
900	790	**1NC1 504-8AC10-4CG0**	895	95.8	0.84	940	9603	2.50	73.0	2100	680	821	95.7	0.82	455	717	95.0	0.77	225	568	93.0	0.66

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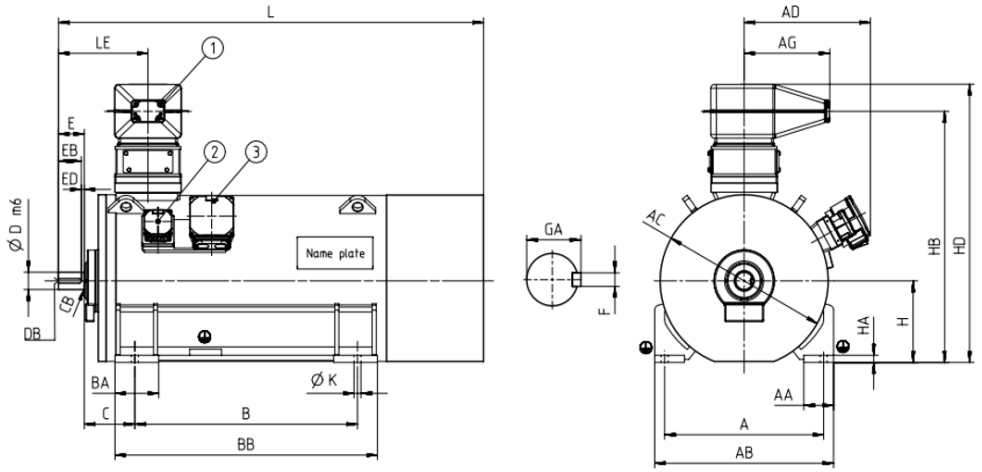
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD square-law torque

Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/F								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
1000	880	**1NC1 506-8AC10-4AG0**	894	96.0	0.82	1060	10682	2.10	64.0	2100	760	821	96.0	0.80	505	717	95.5	0.76	250	568	93.8	0.66
1000	880	**1NC1 506-8AC10-4CG0**	895	95.9	0.85	1020	10670	2.50	83.0	2100	760	821	95.8	0.82	505	717	95.0	0.78	250	568	93.1	0.67
1200	1060	**1NC1 562-8AC10-4CG0**	895	96.5	0.84	1240	12804	2.40	115.0	2000	910	821	96.6	0.83	605	717	95.8	0.79	305	568	94.2	0.68
1300	1150	**1NC1 564-8AC10-4CG0**	895	96.6	0.84	1340	13870	2.40	132.0	2000	985	822	96.7	0.83	655	717	95.8	0.79	330	568	94.1	0.68
1500	1320	**1NC1 566-8AC10-4CG0**	896	96.7	0.85	1520	15987	2.50	147.0	2000	1135	822	96.8	0.83	755	717	95.7	0.79	380	568	93.8	0.67



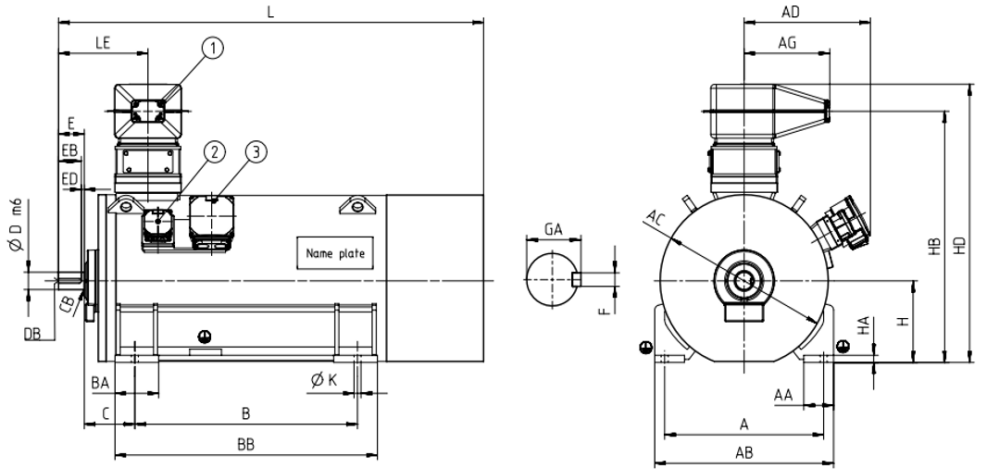
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 402-2AC10-4AG0	3405	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 402-2AC10-4CG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC10-4AG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC10-4CG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC10-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 452-2AC10-4CG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AC10-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AC10-4CG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
4-pole																			
1NC1 404-4AC10-4AG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-4AC10-4CG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC10-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-4AC10-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AC10-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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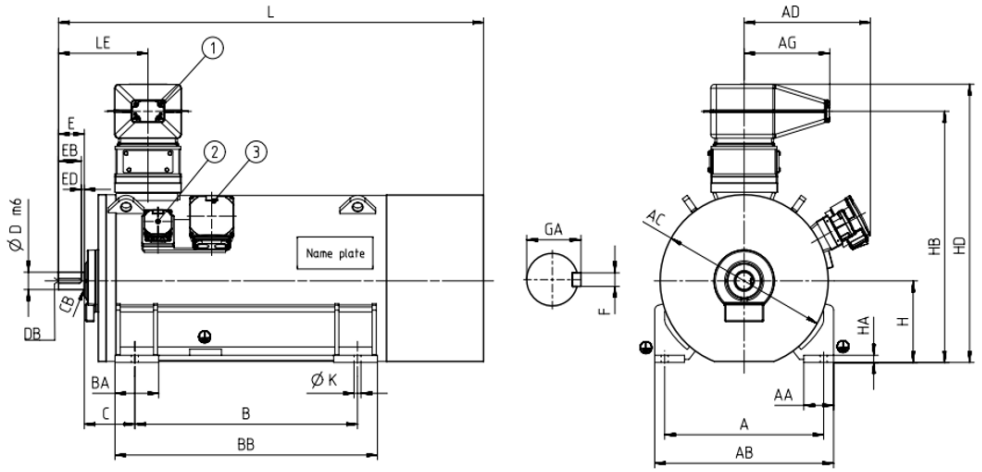
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 502-4AC10-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AC10-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC10-4CG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC10-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC10-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC10-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-4AC10-4CG0	8095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AC10-4AG0	7795	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC10-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC10-4CG0	8495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AC10-4AG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AC10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 404-6AC10-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-6AC10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC10-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC10-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-6AC10-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AC10-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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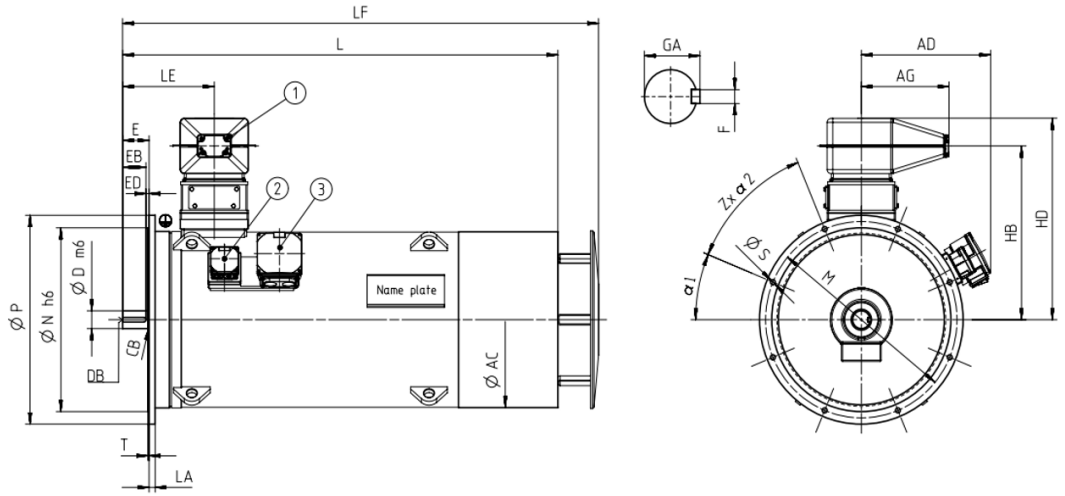
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-6AC10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AC10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AC10-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AC10-4AG0	5575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC10-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC10-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC10-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC10-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC10-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC10-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AC10-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AC10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AC10-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 404-8AC10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-8AC10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC10-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC10-4CG0	4105	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-8AC10-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AC10-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AC10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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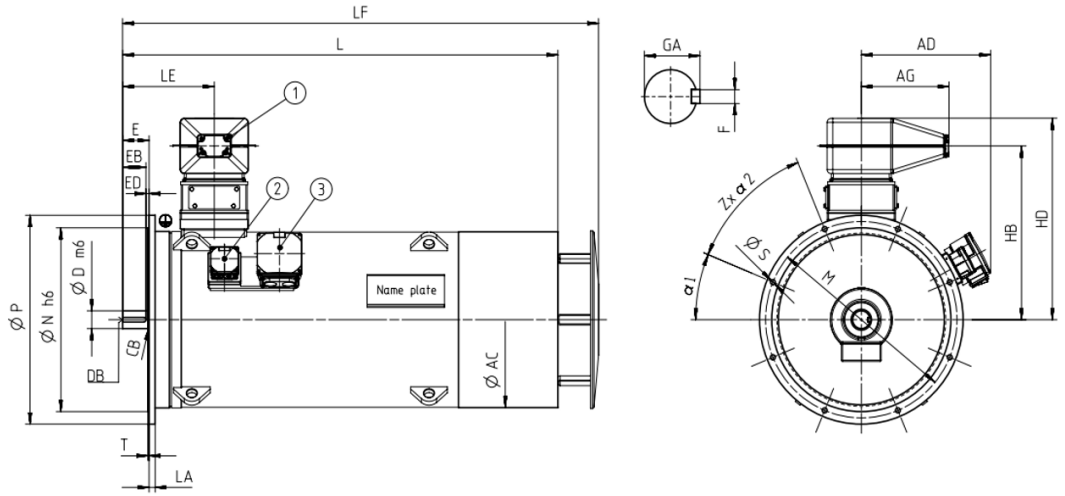
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 454-8AC10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC10-4CG0	5225	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AC10-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AC10-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC10-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC10-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC10-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC10-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AC10-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AC10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AC10-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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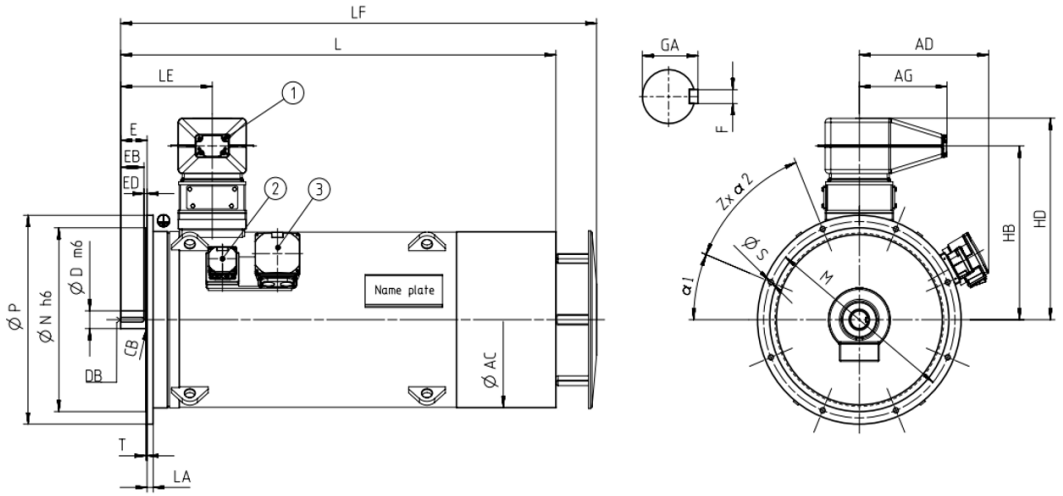
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NC1 404-4AC14-4AG0	4200	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AC14-4CG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC14-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-4AC14-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AC14-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC14-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC14-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AC14-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AC14-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AC14-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AC14-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC14-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC14-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-4AC14-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AC14-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC14-4AG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC14-4CG0	9700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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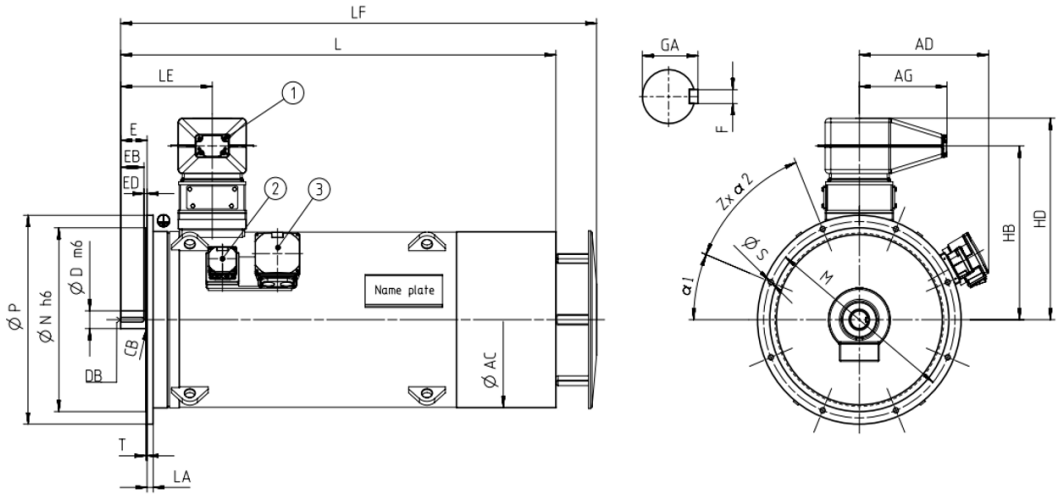
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NC1 566-4AC14-4AG0	9900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AC14-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
6-pole													
1NC1 404-6AC14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-6AC14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC14-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC14-4CG0	4800	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-6AC14-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AC14-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC14-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC14-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AC14-4CG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AC14-4AG0	6600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC14-4CG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC14-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC14-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC14-4AG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC14-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC14-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 562-6AC14-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AC14-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AC14-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole														
1NC1 404-8AC14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-8AC14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC14-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC14-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-8AC14-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AC14-4CG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC14-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC14-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AC14-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AC14-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC14-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC14-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC14-4AG0	7700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC14-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AC14-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 564-8AC14-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AC14-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

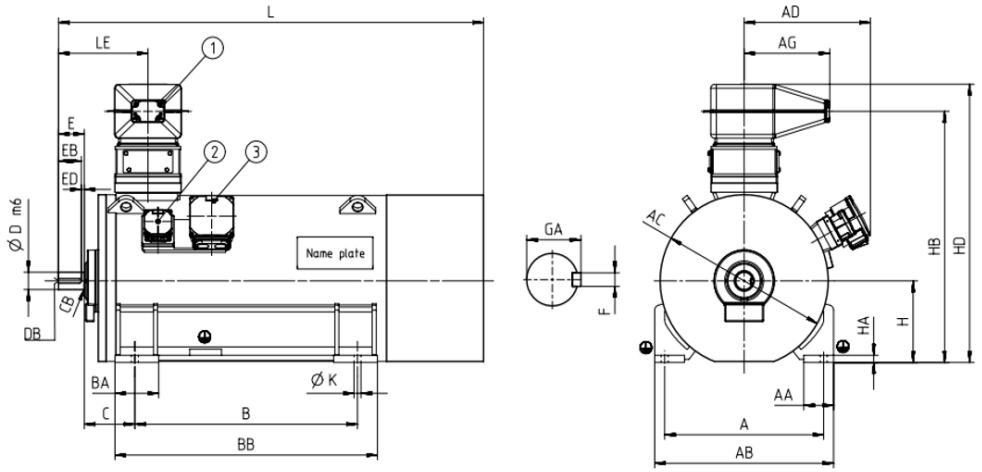
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SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	710	**1NC1 452-2AR40-4AG0**	2986	96.7	0.90	114	2271	2.80	11.0	3600	530	2689	96.8	0.89	360	2392	96.8	0.87	175	1855	96.5	0.82
	710	**1NC1 452-2AR40-4CG0**	2983	96.5	0.89	114	2273	2.50	15.0	3600	530	2686	96.6	0.89	360	2390	96.6	0.87	175	1854	96.3	0.81
	800	**1NC1 454-2AR40-4AG0**	2988	96.9	0.90	128	2557	3.50	13.0	3600	595	2691	96.9	0.89	405	2393	96.8	0.86	195	1856	96.4	0.79
	800	**1NC1 454-2AR40-4CG0**	2986	96.7	0.90	128	2558	3.00	17.0	3600	595	2689	96.8	0.89	405	2391	96.7	0.86	195	1855	96.2	0.79
	900	**1NC1 456-2AR40-4AG0**	2989	97.0	0.91	142	2875	3.60	14.0	3600	670	2691	97.0	0.90	455	2393	96.9	0.87	220	1856	96.5	0.80
	900	**1NC1 456-2AR40-4CG0**	2986	96.8	0.91	142	2878	3.00	19.0	3600	670	2689	96.9	0.90	455	2392	96.8	0.87	220	1855	96.4	0.80
	1000	**1NC1 502-2AR40-4CG0**	2989	96.5	0.89	162	3195	3.10	24.0	3000	745	2691	96.6	0.89	505	2393	96.5	0.85	245	1856	96.1	0.78
	1000	**1NC1 502-2AR40-4AG0**	2988	96.7	0.89	162	3196	3.40	19.0	3000	745	2690	96.8	0.88	505	2393	96.7	0.86	245	1856	96.4	0.79
	1120	**1NC1 504-2AR40-4AG0**	2989	96.8	0.90	178	3578	3.70	21.0	3000	835	2691	96.9	0.89	565	2393	96.9	0.86	275	1856	96.5	0.79
	1120	**1NC1 504-2AR40-4CG0**	2989	96.7	0.90	178	3578	3.30	27.0	3000	835	2691	96.8	0.89	565	2394	96.7	0.86	275	1856	96.3	0.79
	1250	**1NC1 506-2AR40-4AG0**	2989	97.0	0.91	196	3994	3.80	24.0	3000	930	2691	97.1	0.90	630	2393	97.0	0.87	310	1856	96.7	0.81
	1250	**1NC1 506-2AR40-4CG0**	2990	96.9	0.90	198	3992	3.30	31.0	3000	930	2691	97.0	0.90	630	2394	96.9	0.87	310	1856	96.4	0.80
	1400	**1NC1 564-2AR40-4CG0**	2992	96.9	0.91	220	4468	3.20	46.0	3000	1040	2693	97.0	0.90	705	2395	96.9	0.87	345	1857	96.5	0.80
	1600	**1NC1 566-2AR40-4CG0**	2992	97.1	0.91	250	5107	3.20	51.0	3000	1190	2693	97.1	0.90	805	2395	97.0	0.88	395	1857	96.7	0.82
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	710	**1NC1 452-4AR40-4AG0**	1494	96.5	0.83	124	4538	3.60	18.0	2400	530	1345	96.5	0.80	360	1196	96.3	0.73	175	928	95.5	0.61
	710	**1NC1 452-4AR40-4CG0**	1493	96.4	0.83	124	4541	3.00	23.0	2400	530	1345	96.5	0.80	360	1196	96.3	0.74	175	928	95.7	0.62
	800	**1NC1 454-4AR40-4AG0**	1494	96.5	0.83	138	5113	4.00	20.0	2400	595	1345	96.5	0.79	405	1196	96.3	0.73	195	928	95.5	0.59
	800	**1NC1 454-4AR40-4CG0**	1494	96.5	0.83	138	5113	3.30	26.0	2400	595	1345	96.6	0.80	405	1196	96.3	0.74	195	928	95.6	0.62
	900	**1NC1 456-4AR40-4AG0**	1494	96.6	0.85	152	5753	3.80	23.0	2400	670	1345	96.7	0.82	455	1196	96.4	0.76	220	928	95.7	0.63
	900	**1NC1 456-4AR40-4CG0**	1494	96.7	0.84	154	5753	3.20	30.0	2400	670	1345	96.7	0.82	455	1196	96.5	0.76	220	928	95.9	0.65
	1000	**1NC1 502-4AR40-4CG0**	1493	96.3	0.86	168	6396	2.50	35.0	2200	745	1345	96.4	0.84	505	1196	96.4	0.81	245	927	96.0	0.71
	1000	**1NC1 502-4AR40-4AG0**	1493	96.2	0.86	168	6396	3.20	26.0	2200	745	1344	96.3	0.85	505	1196	96.2	0.80	245	927	95.8	0.69
	1120	**1NC1 504-4AR40-4CG0**	1493	96.5	0.86	188	7164	2.60	40.0	2200	835	1345	96.6	0.85	565	1196	96.5	0.82	275	928	96.1	0.72
	1120	**1NC1 504-4AR40-4AG0**	1493	96.4	0.87	186	7164	3.20	30.0	2200	835	1344	96.5	0.86	565	1196	96.4	0.81	275	927	95.9	0.71
	1250	**1NC1 506-4AR40-4CG0**	1494	96.6	0.87	205	7990	2.70	45.0	2200	930	1345	96.7	0.86	630	1196	96.7	0.82	310	928	96.3	0.72
	1250	**1NC1 506-4AR40-4AG0**	1494	96.6	0.88	205	7990	3.40	35.0	2200	930	1345	96.7	0.86	630	1196	96.6	0.81	310	928	96.1	0.71
	1400	**1NC1 560-4AR40-4CG0**	1493	96.6	0.85	235	8954	2.30	60.0	2000	1040	1345	96.7	0.84	705	1196	96.6	0.81	345	928	96.3	0.73
	1400	**1NC1 560-4AR40-4AG0**	1494	96.6	0.86	235	8948	2.70	44.0	2000	1040	1345	96.6	0.85	705	1196	96.5	0.81	345	928	96.1	0.71
	1600	**1NC1 562-4AR40-4CG0**	1494	96.8	0.86	265	10227	2.40	68.0	2000	1190	1345	96.9	0.84	810	1196	96.8	0.81	395	928	96.5	0.72
	1600	**1NC1 562-4AR40-4AG0**	1494	96.8	0.86	265	10227	2.80	50.0	2000	1190	1345	96.8	0.85	810	1197	96.7	0.81	395	928	96.3	0.71
	1800	**1NC1 564-4AR40-4AG0**	1495	96.9	0.87	295	11497	3.00	55.0	2000	1340	1346	97.0	0.85	910	1197	96.8	0.81	445	928	96.4	0.71
	1800	**1NC1 564-4AR40-4CG0**	1494	97.0	0.87	295	11505	2.60	75.0	2000	1340	1346	97.1	0.85	910	1197	96.9	0.81	445	928	96.6	0.72
	2000	**1NC1 566-4AR40-4AG0**	1495	97.1	0.88	325	12775	3.10	62.0	2000	1485	1346	97.1	0.86	1010	1197	96.9	0.82	495	928	96.5	0.72

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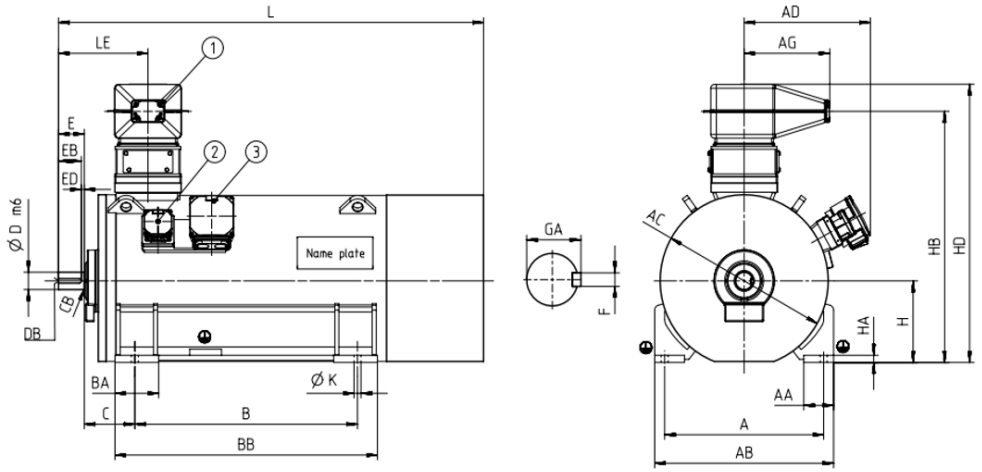
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	2000	**1NC1 566-4AR40-4CG0**	1495	97.1	0.87	330	12775	2.70	83.0	2000	1490	1346	97.2	0.86	1010	1197	97.0	0.82	495	928	96.6	0.73
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	560	**1NC1 452-6AR40-4AG0**	993	96.0	0.81	100	5385	2.00	26.0	2200	415	894	96.1	0.80	285	796	96.2	0.78	140	618	95.7	0.69
	560	**1NC1 452-6AR40-4CG0**	993	96.2	0.84	96	5385	2.30	34.0	2200	415	894	96.2	0.82	285	796	96.2	0.79	140	617	95.7	0.70
	630	**1NC1 454-6AR40-4AG0**	994	96.2	0.81	112	6052	2.50	30.0	2200	470	896	96.2	0.79	320	797	96.1	0.74	155	618	95.5	0.63
	630	**1NC1 454-6AR40-4CG0**	995	96.3	0.83	110	6046	2.70	39.0	2200	470	896	96.3	0.81	320	797	96.2	0.76	155	618	95.5	0.64
	710	**1NC1 456-6AR40-4AG0**	995	96.3	0.81	126	6814	2.70	35.0	2200	530	896	96.3	0.78	360	797	96.2	0.73	175	618	95.4	0.61
	710	**1NC1 456-6AR40-4CG0**	995	96.4	0.83	124	6814	2.90	46.0	2200	530	896	96.4	0.80	360	797	96.2	0.75	175	618	95.4	0.62
	800	**1NC1 500-6AR40-4CG0**	995	96.4	0.86	134	7678	2.20	57.0	2100	595	896	96.6	0.85	405	797	96.6	0.83	195	618	96.3	0.73
	800	**1NC1 500-6AR40-4AG0**	993	96.2	0.83	140	7693	2.30	44.0	2100	595	895	96.4	0.82	405	796	96.5	0.80	200	618	96.2	0.72
	900	**1NC1 502-6AR40-4AG0**	994	96.3	0.84	154	8646	2.70	50.0	2100	670	895	96.5	0.83	455	797	96.5	0.79	220	618	96.0	0.69
	900	**1NC1 502-6AR40-4CG0**	996	96.4	0.86	150	8629	2.60	65.0	2100	670	896	96.6	0.85	455	797	96.6	0.81	220	618	96.2	0.70
	1000	**1NC1 504-6AR40-4AG0**	994	96.4	0.85	170	9607	2.60	57.0	2100	745	895	96.7	0.84	505	796	96.7	0.82	245	618	96.4	0.73
	1000	**1NC1 504-6AR40-4CG0**	995	96.6	0.87	166	9597	2.40	74.0	2100	745	896	96.8	0.86	505	797	96.8	0.83	245	618	96.5	0.74
	1120	**1NC1 506-6AR40-4AG0**	994	96.6	0.85	190	10760	2.80	65.0	2100	835	896	96.8	0.84	565	797	96.8	0.81	275	618	96.3	0.70
	1120	**1NC1 506-6AR40-4CG0**	996	96.8	0.86	186	10738	2.60	83.0	2100	835	897	96.9	0.85	565	798	96.9	0.82	275	618	96.5	0.72
	1250	**1NC1 562-6AR40-4CG0**	996	96.9	0.86	210	11985	3.10	116.0	2000	930	897	97.0	0.85	630	798	97.0	0.81	310	619	96.5	0.70
	1400	**1NC1 564-6AR40-4CG0**	996	97.0	0.87	230	13423	3.00	132.0	2000	1040	897	97.1	0.85	705	798	97.1	0.83	345	619	96.7	0.72
	1600	**1NC1 566-6AR40-4CG0**	996	97.2	0.87	265	15340	3.00	147.0	2000	1190	897	97.3	0.86	810	798	97.2	0.83	395	619	96.8	0.72
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - Square-law torque drive																							
	470	**1NC1 452-8AR40-4AG0**	744	95.6	0.77	89	6032	2.10	26.0	2200	350	670	95.8	0.77	240	596	95.8	0.74	115	463	95.2	0.63
	470	**1NC1 452-8AR40-4CG0**	744	95.7	0.80	85	6032	2.10	35.0	2200	350	670	95.8	0.79	240	596	95.7	0.75	115	463	95.0	0.63
	530	**1NC1 454-8AR40-4AG0**	744	95.8	0.78	98	6803	2.20	30.0	2200	395	670	95.9	0.76	270	597	95.9	0.73	130	463	95.3	0.61
	530	**1NC1 454-8AR40-4CG0**	745	95.9	0.80	96	6793	2.30	39.0	2200	395	671	95.9	0.78	270	597	95.8	0.73	130	463	95.1	0.61
	600	**1NC1 456-8AR40-4AG0**	745	96.0	0.78	112	7691	2.50	35.0	2200	445	671	96.1	0.75	305	597	95.9	0.71	150	463	95.2	0.58
	600	**1NC1 456-8AR40-4CG0**	745	96.0	0.79	110	7691	2.50	46.0	2200	445	671	96.0	0.76	305	597	95.8	0.71	150	463	95.0	0.58
	630	**1NC1 502-8AR40-4CG0**	745	95.6	0.85	108	8075	2.20	65.0	2100	470	671	95.7	0.83	320	597	95.7	0.80	155	463	95.1	0.70
	630	**1NC1 502-8AR40-4AG0**	744	95.6	0.80	114	8086	1.90	50.0	2100	470	670	95.8	0.80	320	597	95.9	0.77	155	463	95.4	0.69
	710	**1NC1 504-8AR40-4AG0**	745	95.9	0.80	128	9101	2.30	56.0	2100	530	671	95.9	0.78	360	597	95.9	0.74	175	463	95.1	0.63
	710	**1NC1 504-8AR40-4CG0**	746	95.8	0.84	122	9088	2.70	73.0	2100	530	672	95.8	0.81	360	597	95.7	0.76	175	463	94.8	0.64
	800	**1NC1 506-8AR40-4AG0**	746	95.9	0.81	142	10241	2.50	64.0	2100	595	672	95.9	0.78	405	597	95.9	0.73	200	463	95.0	0.61
	800	**1NC1 506-8AR40-4CG0**	746	95.8	0.83	140	10241	2.90	83.0	2100	595	672	95.7	0.80	405	598	95.6	0.75	195	464	94.6	0.62
	900	**1NC1 562-8AR40-4CG0**	746	96.6	0.83	156	11521	2.70	115.0	2000	670	672	96.7	0.82	455	598	96.6	0.77	220	464	96.2	0.65
	1000	**1NC1 564-8AR40-4CG0**	746	96.7	0.84	170	12801	2.70	132.0	2000	745	672	96.8	0.82	505	598	96.7	0.78	245	464	96.3	0.65
	1120	**1NC1 566-8AR40-4CG0**	746	96.8	0.83	194	14337	2.90	147.0	2000	835	672	96.8	0.82	565	598	96.7	0.77	275	464	96.2	0.64

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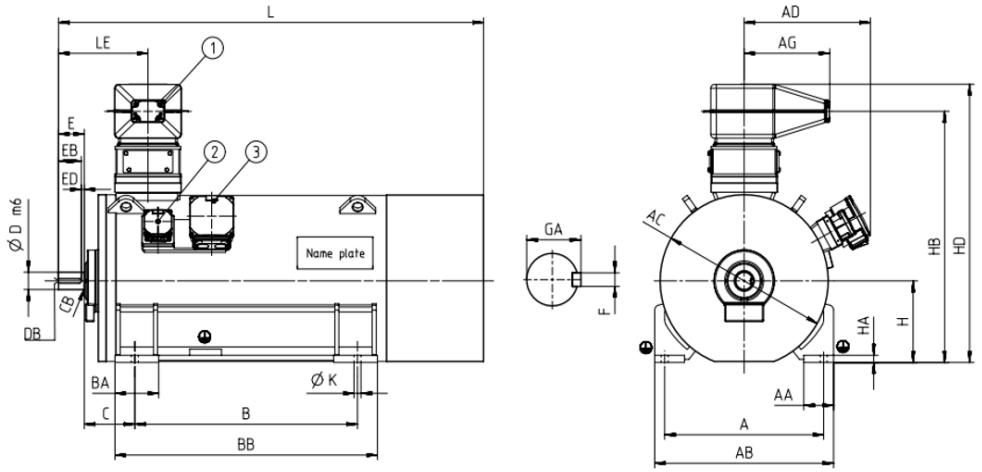
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 452-2AR40-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 452-2AR40-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AR40-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AR40-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AR40-4AG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AR40-4CG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 502-2AR40-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 502-2AR40-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AR40-4AG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AR40-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AR40-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AR40-4CG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 564-2AR40-4CG0	8095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
1NC1 566-2AR40-4CG0	8495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
4-pole																			
1NC1 452-4AR40-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AR40-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR40-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR40-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AR40-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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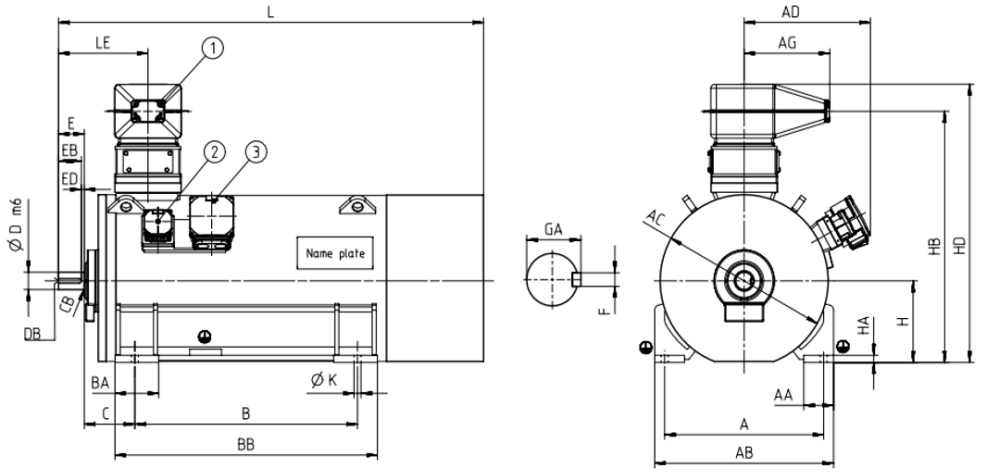
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-4AR40-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AR40-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AR40-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR40-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR40-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR40-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR40-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 560-4AR40-4CG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 560-4AR40-4AG0	7395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR40-4CG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR40-4AG0	7895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AR40-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AR40-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR40-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR40-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 452-6AR40-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AR40-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR40-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR40-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AR40-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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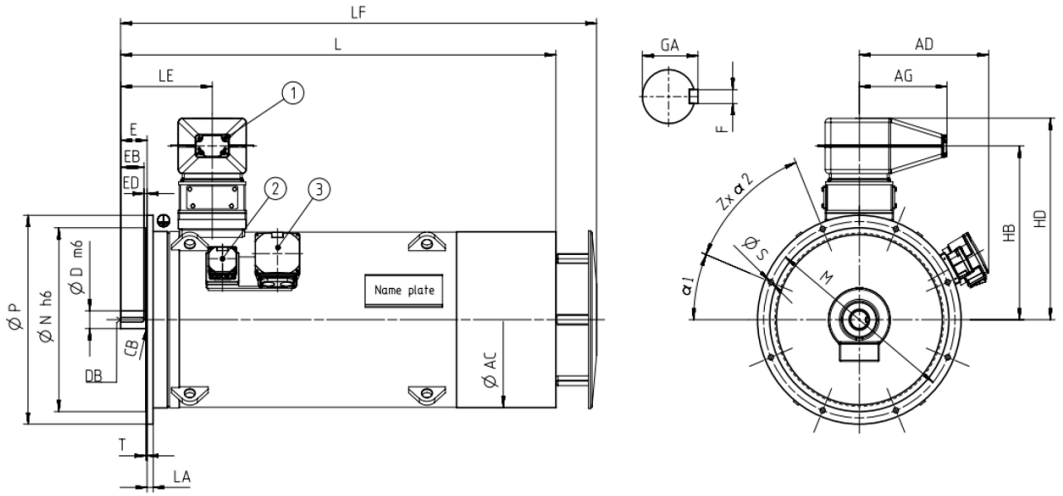
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-6AR40-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AR40-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AR40-4AG0	5575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR40-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR40-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR40-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR40-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR40-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR40-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AR40-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AR40-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AR40-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 452-8AR40-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AR40-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR40-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR40-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR40-4AG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR40-4CG0	5225	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AR40-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AR40-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.

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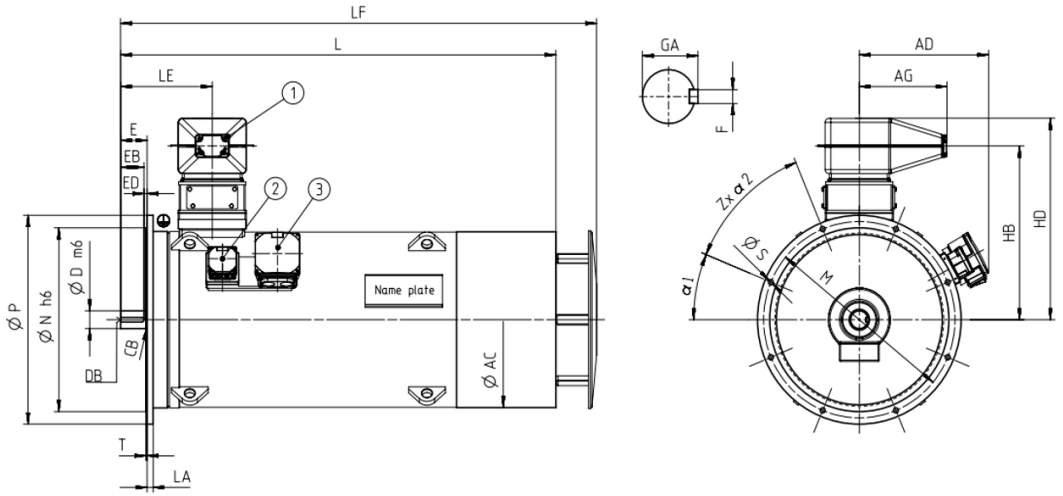
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 504-8AR40-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AR40-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR40-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR40-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AR40-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AR40-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AR40-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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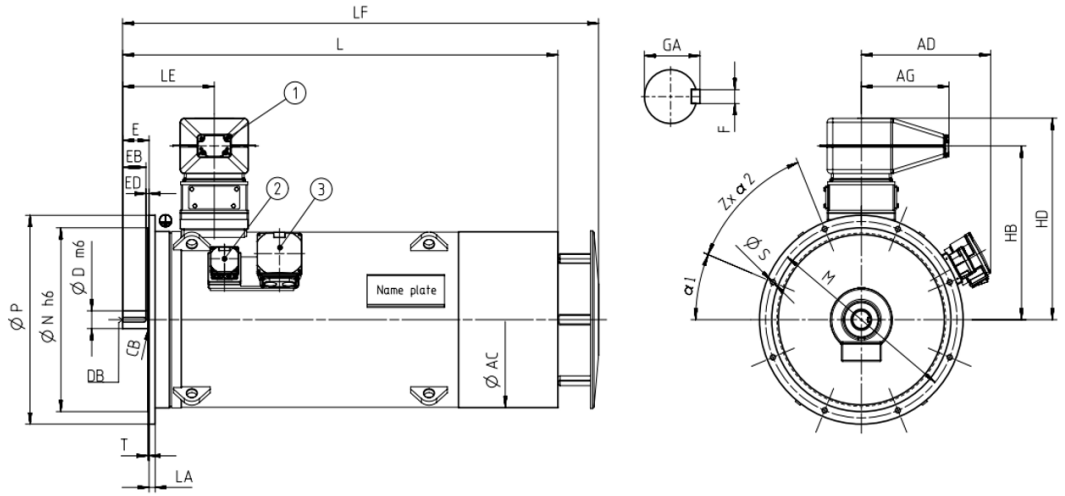


Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NC1 452-4AR44-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AR44-4CG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR44-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR44-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR44-4AG0	5800	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR44-4CG0	6000	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AR44-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AR44-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR44-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR44-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR44-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR44-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AR44-4CG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AR44-4AG0	8700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR44-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR44-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR44-4AG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR44-4CG0	9800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR44-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR44-4CG0	10400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NC1 452-6AR44-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AR44-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR44-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR44-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR44-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR44-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AR44-4CG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AR44-4AG0	6500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR44-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR44-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR44-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR44-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR44-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR44-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AR44-4CG0	9700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AR44-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AR44-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													
1NC1 452-8AR44-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AR44-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8



Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 454-8AR44-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AR44-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR44-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR44-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AR44-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AR44-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR44-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR44-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR44-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR44-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AR44-4CG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AR44-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AR44-4CG0	10700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

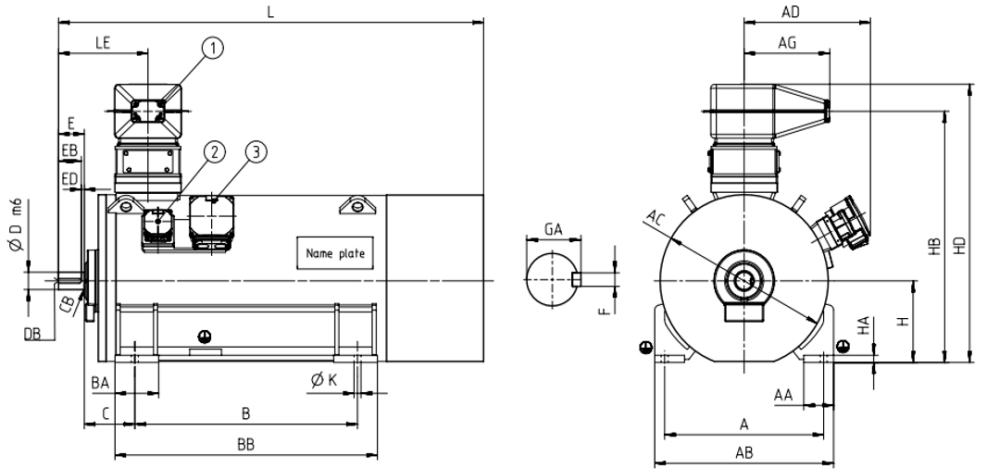
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SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power IEC		SIMOTICS HV C VSD M ~n² Article No.	Operating values at rated output for utilization F/B									Partial load values for square-law torque drive											
												P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)		Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit													
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm²	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	800	**1NC1 452-2AR30-4CG0**	3584	96.3	0.90	128	2132	2.60	15.0	3600	605	3287	96.3	0.89	405	2870	96.2	0.86	200	2274	95.6	0.80
	900	**1NC1 454-2AR30-4CG0**	3587	96.5	0.90	144	2396	3.10	17.0	3600	680	3289	96.5	0.88	455	2872	96.3	0.85	225	2275	95.7	0.77
	1000	**1NC1 456-2AR30-4CG0**	3588	96.6	0.90	160	2661	3.40	19.0	3600	755	3290	96.6	0.88	505	2873	96.4	0.85	250	2276	95.7	0.76
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	800	**1NC1 452-4AR30-4AG0**	1794	96.3	0.81	142	4258	4.00	18.0	2400	605	1645	96.1	0.78	405	1437	95.7	0.71	200	1138	94.6	0.56
	800	**1NC1 452-4AR30-4CG0**	1794	96.3	0.82	140	4258	3.30	23.0	2400	605	1645	96.1	0.78	405	1436	95.8	0.72	200	1138	94.8	0.58
	900	**1NC1 454-4AR30-4AG0**	1795	96.4	0.81	160	4788	4.20	20.0	2400	680	1646	96.2	0.77	455	1437	95.9	0.70	225	1138	94.8	0.55
	900	**1NC1 454-4AR30-4CG0**	1794	96.4	0.82	158	4791	3.40	26.0	2400	680	1646	96.3	0.78	455	1437	96.0	0.72	225	1138	95.0	0.58
	1000	**1NC1 456-4AR30-4AG0**	1795	96.5	0.82	176	5320	4.30	23.0	2400	755	1646	96.3	0.78	505	1437	96.0	0.71	250	1138	94.8	0.56
	1000	**1NC1 456-4AR30-4CG0**	1795	96.5	0.82	176	5320	3.60	30.0	2400	755	1646	96.4	0.79	505	1437	96.0	0.72	250	1138	95.1	0.58
	1120	**1NC1 502-4AR30-4CG0**	1794	96.1	0.85	190	5962	2.60	35.0	2200	850	1645	96.1	0.83	565	1436	96.0	0.79	280	1138	95.3	0.69
	1120	**1NC1 502-4AR30-4AG0**	1794	96.0	0.86	188	5962	3.30	26.0	2200	850	1645	95.9	0.84	565	1436	95.7	0.78	280	1138	95.0	0.67
	1250	**1NC1 504-4AR30-4AG0**	1793	96.2	0.87	205	6657	3.30	30.0	2200	945	1645	96.1	0.85	630	1436	96.0	0.81	315	1138	95.3	0.70
	1250	**1NC1 504-4AR30-4CG0**	1794	96.3	0.86	210	6654	2.60	40.0	2200	945	1645	96.3	0.85	630	1436	96.2	0.81	315	1138	95.5	0.71
	1400	**1NC1 506-4AR30-4AG0**	1794	96.3	0.87	230	7452	3.80	35.0	2200	1060	1645	96.2	0.85	705	1436	96.0	0.79	355	1138	95.2	0.67
	1400	**1NC1 506-4AR30-4CG0**	1795	96.5	0.86	235	7448	3.00	45.0	2200	1060	1646	96.4	0.84	705	1437	96.2	0.80	355	1138	95.5	0.69
	1600	**1NC1 560-4AR30-4CG0**	1793	96.3	0.84	275	8521	2.10	60.0	2000	1210	1645	96.3	0.84	810	1436	96.1	0.81	405	1138	95.7	0.73
	1600	**1NC1 560-4AR30-4AG0**	1794	96.1	0.86	270	8517	2.40	44.0	2000	1210	1645	96.1	0.85	810	1436	95.9	0.81	405	1138	95.4	0.72
	1800	**1NC1 562-4AR30-4CG0**	1794	96.5	0.86	300	9581	2.40	68.0	2000	1365	1645	96.5	0.85	910	1436	96.3	0.82	455	1138	95.8	0.73
	1800	**1NC1 562-4AR30-4AG0**	1794	96.4	0.87	300	9581	2.80	50.0	2000	1365	1645	96.3	0.86	910	1437	96.1	0.82	455	1138	95.5	0.72
	2000	**1NC1 564-4AR30-4AG0**	1795	96.6	0.88	325	10640	2.90	55.0	2000	1515	1646	96.4	0.86	1010	1437	96.2	0.82	505	1138	95.6	0.72
	2000	**1NC1 564-4AR30-4CG0**	1794	96.7	0.87	330	10646	2.50	75.0	2000	1515	1645	96.6	0.86	1010	1437	96.5	0.82	505	1138	95.9	0.73
	2200	**1NC1 566-4AR30-4AG0**	1795	96.7	0.88	360	11704	3.10	62.0	2000	1665	1646	96.6	0.86	1110	1437	96.3	0.82	555	1138	95.6	0.72
	2200	**1NC1 566-4AR30-4CG0**	1795	96.9	0.88	360	11704	2.70	83.0	2000	1665	1646	96.7	0.86	1110	1437	96.5	0.82	555	1138	95.9	0.72
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - Square-law torque drive																							
	630	**1NC1 452-6AR30-4AG0**	1194	96.1	0.79	116	5039	2.40	26.0	2200	475	1095	96.1	0.78	320	957	95.9	0.74	160	758	95.1	0.62
	630	**1NC1 452-6AR30-4CG0**	1194	96.3	0.82	110	5039	2.70	34.0	2200	475	1095	96.2	0.80	320	957	96.0	0.76	160	758	95.2	0.63
	710	**1NC1 454-6AR30-4AG0**	1195	96.3	0.80	128	5674	2.50	30.0	2200	540	1096	96.2	0.78	360	957	96.0	0.74	180	758	95.1	0.62
	710	**1NC1 454-6AR30-4CG0**	1195	96.4	0.83	124	5674	2.80	39.0	2200	540	1096	96.3	0.80	360	957	96.1	0.76	180	758	95.2	0.63
	800	**1NC1 456-6AR30-4AG0**	1195	96.4	0.81	142	6393	2.70	35.0	2200	605	1096	96.3	0.78	405	957	96.1	0.74	200	758	95.1	0.61
	800	**1NC1 456-6AR30-4CG0**	1195	96.5	0.83	138	6393	2.90	46.0	2200	605	1096	96.3	0.80	405	957	96.1	0.75	200	758	95.1	0.62
	900	**1NC1 500-6AR30-4CG0**	1195	96.4	0.86	150	7192	2.40	57.0	2100	680	1096	96.5	0.85	455	957	96.5	0.82	225	758	96.0	0.72
	900	**1NC1 500-6AR30-4AG0**	1194	96.3	0.83	156	7198	2.40	44.0	2100	680	1095	96.4	0.83	455	956	96.4	0.80	225	758	95.9	0.70
	1000	**1NC1 502-6AR30-4AG0**	1194	96.4	0.83	174	7998	2.50	50.0	2100	760	1095	96.5	0.83	505	957	96.5	0.80	250	758	95.9	0.70

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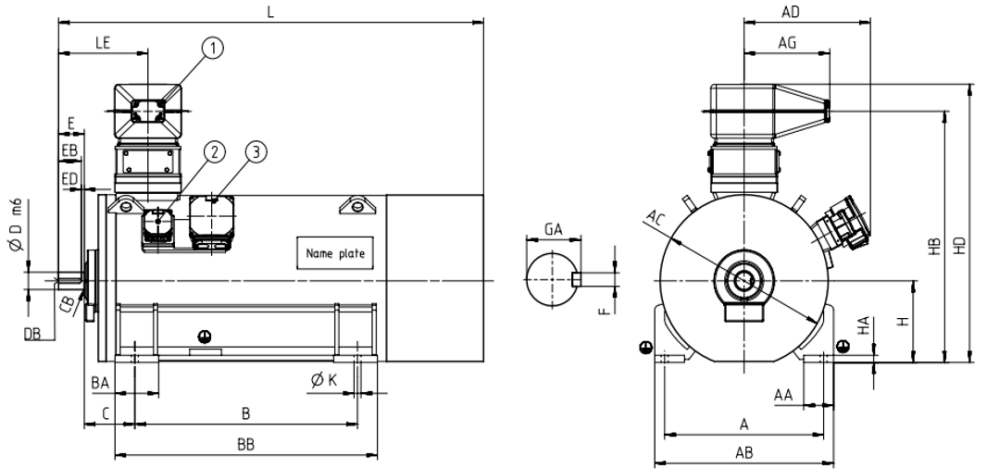
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD square-law torque																							
Rated power **IEC**		**SIMOTICS HV C VSD M ~n** [2]	Operating values at rated output for utilization F/B								Partial load values for square-law torque drive											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	P/P_{rated} 155(F) = 75%				P/P_{rated} 155(F) = 50%				P/P_{rated} 155(F) = 25%			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P	n	η	cos φ	P	n	η	cos φ	P	n	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	rpm	%	[-]	kW	rpm	%	[-]	kW	rpm	%	[-]
	1000	**1NC1 502-6AR30-4CG0**	1196	96.5	0.86	168	7984	2.50	65.0	2100	760	1096	96.6	0.85	505	957	96.6	0.82	250	758	96.0	0.71
	1120	**1NC1 504-6AR30-4AG0**	1194	96.6	0.85	190	8957	2.70	57.0	2100	850	1095	96.7	0.84	565	957	96.6	0.81	280	758	96.0	0.70
	1120	**1NC1 504-6AR30-4CG0**	1196	96.7	0.86	186	8942	2.60	74.0	2100	850	1097	96.7	0.85	565	957	96.7	0.82	280	758	96.1	0.72
	1250	**1NC1 506-6AR30-4AG0**	1195	96.6	0.85	210	9989	2.90	65.0	2100	945	1096	96.7	0.83	630	957	96.6	0.80	315	758	96.0	0.68
	1250	**1NC1 506-6AR30-4CG0**	1196	96.7	0.86	210	9980	2.80	83.0	2100	945	1097	96.8	0.85	630	958	96.7	0.81	315	759	96.1	0.70
	1400	**1NC1 562-6AR30-4CG0**	1196	96.8	0.86	235	11178	3.00	116.0	2000	1060	1097	96.9	0.85	705	958	96.8	0.82	350	758	96.2	0.71
	1600	**1NC1 564-6AR30-4CG0**	1196	97.0	0.87	265	12775	3.00	132.0	2000	1210	1097	97.0	0.86	805	958	96.9	0.83	405	758	96.4	0.73
	1800	**1NC1 566-6AR30-4CG0**	1196	97.1	0.87	295	14372	3.00	147.0	2000	1365	1097	97.1	0.86	910	958	97.0	0.84	455	758	96.4	0.73
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - Square-law torque drive																						
	560	**1NC1 452-8AR30-4AG0**	894	95.8	0.78	104	5982	2.20	26.0	2200	425	820	95.8	0.76	285	716	95.7	0.72	140	568	94.9	0.60
	560	**1NC1 452-8AR30-4CG0**	894	95.8	0.80	102	5982	2.30	35.0	2200	425	820	95.8	0.78	285	717	95.6	0.73	140	568	94.8	0.61
	630	**1NC1 454-8AR30-4AG0**	894	96.0	0.78	116	6729	2.20	30.0	2200	480	820	96.0	0.76	320	717	95.8	0.72	160	568	95.1	0.60
	630	**1NC1 454-8AR30-4CG0**	895	96.0	0.80	114	6722	2.30	39.0	2200	475	821	96.0	0.78	320	717	95.8	0.73	160	568	94.9	0.60
	710	**1NC1 456-8AR30-4AG0**	895	96.1	0.78	132	7575	2.40	35.0	2200	540	821	96.0	0.77	360	717	95.8	0.72	180	568	95.0	0.60
	710	**1NC1 456-8AR30-4CG0**	895	96.1	0.80	128	7575	2.40	46.0	2200	540	821	96.0	0.77	360	717	95.8	0.73	180	568	94.8	0.60
	710	**1NC1 502-8AR30-4CG0**	895	95.7	0.85	122	7575	2.30	65.0	2100	540	821	95.6	0.83	360	717	95.5	0.79	180	568	94.7	0.69
	710	**1NC1 502-8AR30-4AG0**	894	95.8	0.81	126	7584	1.90	50.0	2100	540	820	95.8	0.80	360	717	95.8	0.77	180	568	95.1	0.68
	800	**1NC1 504-8AR30-4AG0**	895	95.9	0.81	142	8536	2.30	56.0	2100	605	821	95.8	0.79	405	717	95.8	0.74	200	568	94.8	0.63
	800	**1NC1 504-8AR30-4CG0**	896	95.7	0.84	138	8526	2.70	73.0	2100	605	822	95.6	0.81	405	717	95.4	0.76	200	568	94.4	0.64
	900	**1NC1 506-8AR30-4AG0**	895	96.0	0.81	160	9603	2.30	64.0	2100	680	821	95.9	0.79	455	717	95.9	0.75	225	568	95.0	0.64
	900	**1NC1 506-8AR30-4CG0**	896	95.8	0.84	156	9592	2.70	83.0	2100	680	822	95.7	0.82	455	718	95.6	0.77	225	568	94.5	0.65
	1000	**1NC1 562-8AR30-4CG0**	896	96.5	0.84	172	10658	2.60	115.0	2000	760	822	96.5	0.83	505	718	96.4	0.79	250	568	95.9	0.67
	1120	**1NC1 564-8AR30-4CG0**	896	96.6	0.84	192	11937	2.70	132.0	2000	850	822	96.6	0.83	565	718	96.5	0.79	280	569	96.0	0.66
	1250	**1NC1 566-8AR30-4CG0**	897	96.7	0.83	215	13307	2.90	147.0	2000	945	822	96.6	0.81	630	718	96.5	0.77	315	569	95.7	0.64

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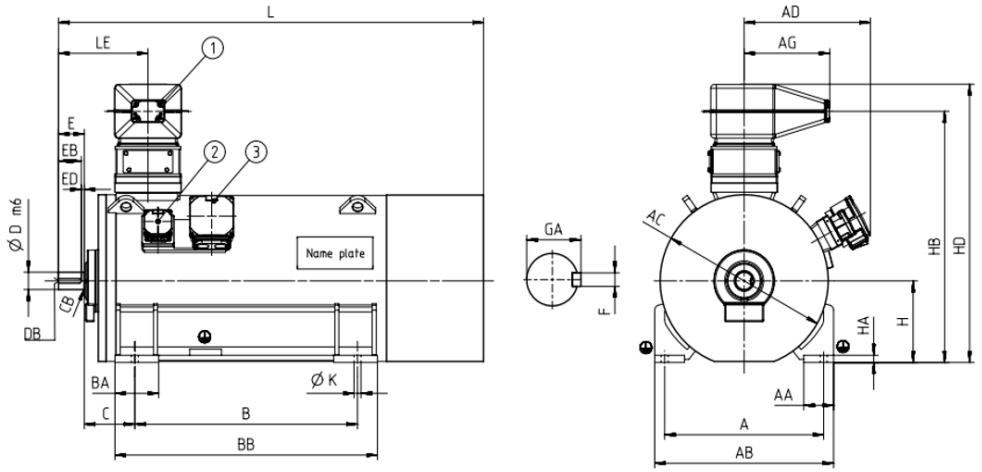
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 452-2AR30-4CG0	o.r.	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AR30-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AR30-4CG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
4-pole																			
1NC1 452-4AR30-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AR30-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR30-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR30-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AR30-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AR30-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AR30-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AR30-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR30-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR30-4CG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR30-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR30-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 560-4AR30-4CG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 560-4AR30-4AG0	7395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR30-4CG0	8095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR30-4AG0	7795	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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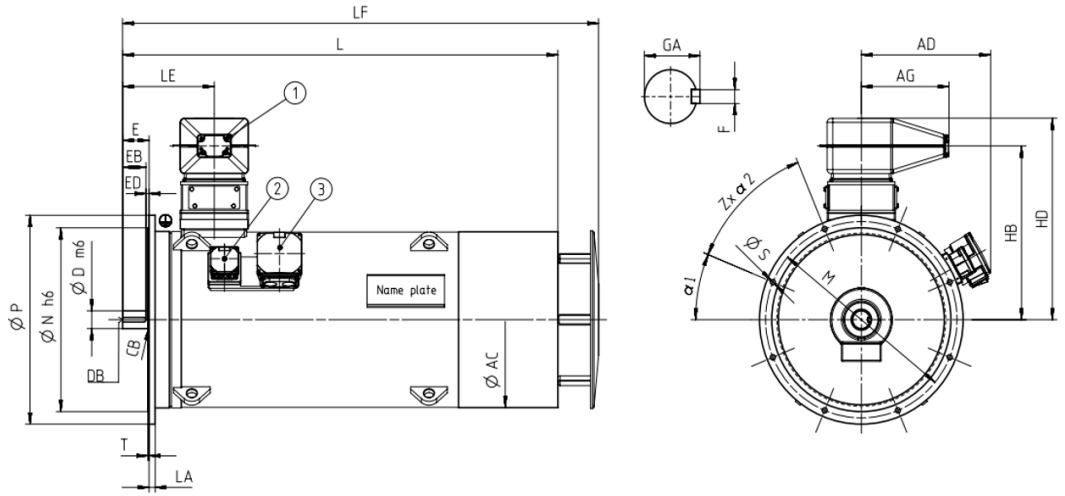
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 564-4AR30-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AR30-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR30-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR30-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 452-6AR30-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AR30-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR30-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR30-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AR30-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AR30-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AR30-4CG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AR30-4AG0	5475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR30-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR30-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR30-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR30-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR30-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR30-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AR30-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AR30-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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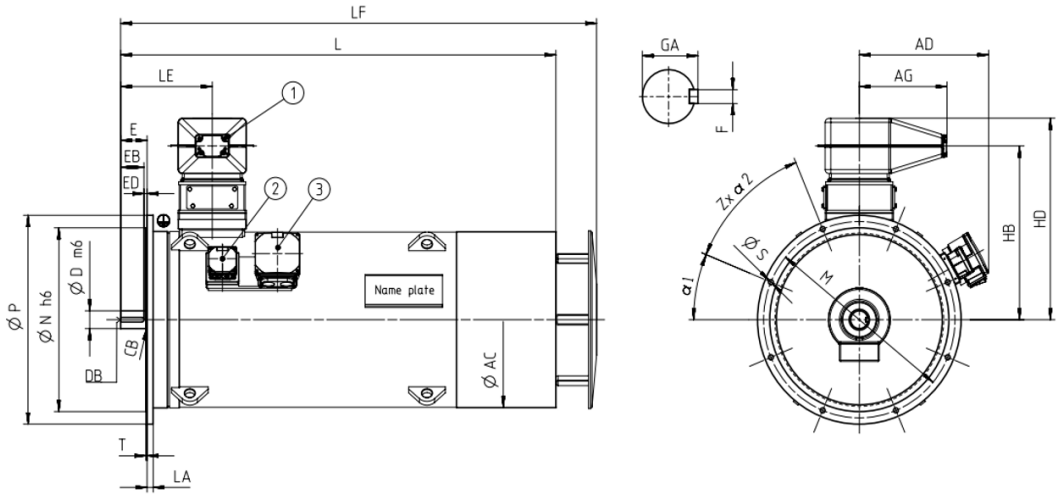
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 566-6AR30-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 452-8AR30-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AR30-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR30-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR30-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR30-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR30-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AR30-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AR30-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AR30-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AR30-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR30-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR30-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AR30-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AR30-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AR30-4CG0	9395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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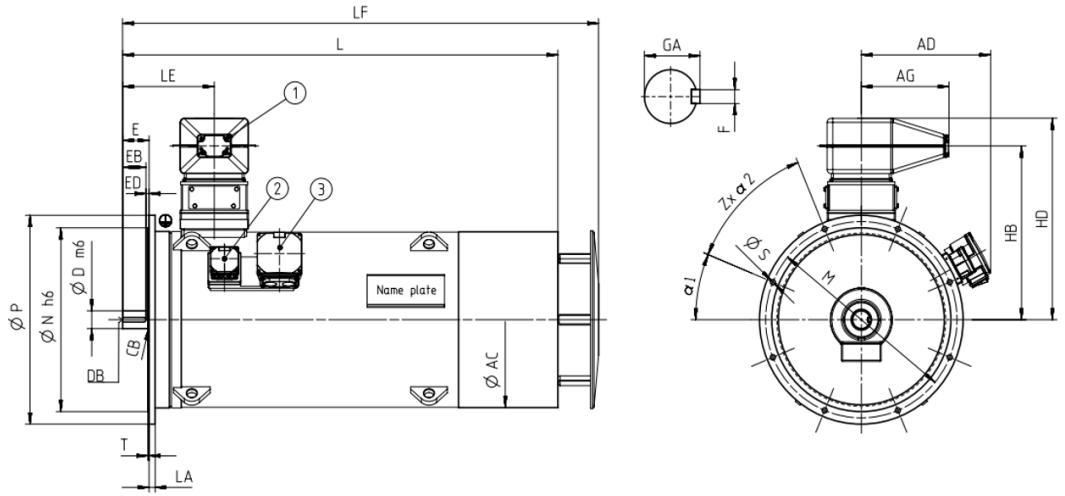
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NC1 452-4AR34-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AR34-4CG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR34-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR34-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR34-4AG0	5800	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR34-4CG0	6000	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AR34-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AR34-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR34-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR34-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR34-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR34-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AR34-4CG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AR34-4AG0	8700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR34-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR34-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR34-4AG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR34-4CG0	9800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR34-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR34-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NC1 452-6AR34-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AR34-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR34-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR34-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR34-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR34-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AR34-4CG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AR34-4AG0	6500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR34-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR34-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR34-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR34-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR34-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR34-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AR34-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AR34-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AR34-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													
1NC1 452-8AR34-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AR34-4CG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NC1 454-8AR34-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AR34-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR34-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR34-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AR34-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AR34-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR34-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR34-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR34-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR34-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AR34-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AR34-4CG0	10100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AR34-4CG0	10700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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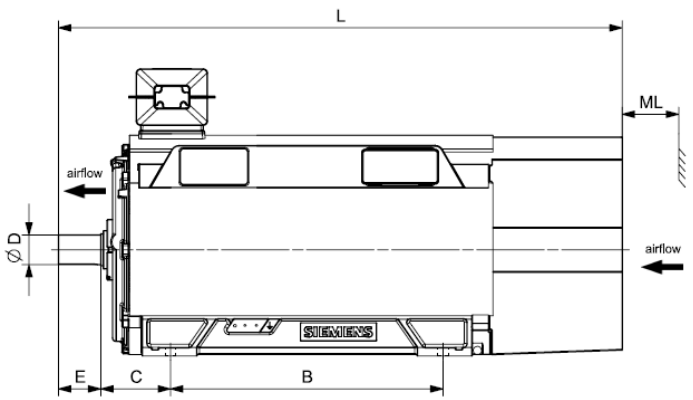
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
780	690	**1NA1 402-2AC00-0A.0**	2979	96.5	0,93	730	2500	3,30	10.0	3600	310	2006	96.0	0,92	95	1577	93.8	0,89	45	1412	90.2	0,88
770	680	**1NA1 402-2AC00-0C.0**	2980	96.4	0,93	720	2467	3,30	12.3	3600	310	1980	95.8	0,91	95	1556	93.6	0,88	40	1393	90.1	0,88
800	710	**1NA1 404-2AC00-0A.0**	2979	96.5	0,94	740	2564	3,60	11.0	3600	320	2057	95.9	0,93	100	1617	93.8	0,90	45	1448	90.3	0,90
800	710	**1NA1 404-2AC00-0C.0**	2980	96.4	0,94	740	2564	3,50	13.5	3600	320	2057	95.8	0,93	100	1617	93.6	0,90	45	1448	90.2	0,89
920	810	**1NA1 406-2AC00-0A.0**	2980	96.7	0,94	850	2948	3,60	12.2	3600	370	2365	96.2	0,93	115	1859	94.3	0,90	50	1665	91.2	0,89
910	800	**1NA1 406-2AC00-0C.0**	2981	96.7	0,94	840	2915	3,60	14.9	3600	365	2338	96.1	0,92	115	1838	94.2	0,89	50	1646	91.2	0,88
950	840	**1NA1 408-2AC00-0A.0**	2982	96.8	0,95	860	3042	4,40	13.0	3600	380	2442	96.2	0,93	120	1920	94.3	0,90	50	1719	91.3	0,89
950	840	**1NA1 408-2AC00-0C.0**	2983	96.7	0,95	870	3041	4,30	15.9	3600	380	2441	96.1	0,92	120	1919	94.2	0,89	50	1719	91.3	0,88
1050	930	**1NA1 454-2AC00-0A.0**	2982	96.9	0,94	960	3362	2,70	14.1	3600	420	2696	96.4	0,93	130	2120	94.5	0,91	60	1898	91.2	0,91
1050	930	**1NA1 454-2AC00-0C.0**	2983	96.8	0,94	970	3361	2,60	19.1	3600	420	2697	96.4	0,93	130	2120	94.4	0,91	60	1899	91.2	0,91
1200	1060	**1NA1 456-2AC00-0A.0**	2985	97.2	0,94	1100	3839	3,20	15.6	3600	480	3080	96.8	0,93	150	2421	95.1	0,91	65	2168	92.4	0,91
1200	1060	**1NA1 456-2AC00-0C.0**	2985	97.1	0,94	1100	3839	3,00	21.0	3600	480	3080	96.7	0,93	150	2421	95.0	0,91	65	2168	92.4	0,91
1220	1080	**1NA1 458-2AC00-0A.0**	2985	97.2	0,95	1100	3903	3,20	16.8	3600	490	3133	96.7	0,93	150	2462	95.1	0,91	65	2205	92.4	0,91
1220	1080	**1NA1 458-2AC00-0C.0**	2986	97.1	0,95	1100	3902	3,10	22.7	3600	490	3129	96.7	0,94	150	2460	95.0	0,91	65	2203	92.4	0,91
1500	1320	**1NA1 504-2AC00-0AC0**	2986	97.0	0,90	1440	4797	3,30	22.6	3600	600	3848	96.5	0,90	190	3025	95.0	0,88	85	2708	92.6	0,87
1510	1330	**1NA1 504-2AC00-0C.0**	2987	96.9	0,91	1440	4827	3,20	28.0	3000	605	3873	96.3	0,90	190	3044	94.8	0,88	85	2726	92.6	0,87
1820	1600	**1NA1 506-2AC00-0AC0**	2984	97.2	0,91	1720	5824	3,00	25.7	3600	705	4531	96.5	0,91	230	3747	94.6	0,90	105	3485	91.6	0,90
1570	1380	**1NA1 506-2AC00-0C.0**	2987	96.9	0,92	1480	5019	3,30	31.0	3000	630	4026	96.3	0,91	195	3165	94.8	0,89	85	2834	92.6	0,88
1810	1590	**1NA1 508-2AC00-0AC0**	2989	97.3	0,91	1720	5783	4,10	28.1	3600	725	4638	96.6	0,90	225	3646	95.2	0,87	100	3265	93.3	0,86
1820	1600	**1NA1 508-2AC00-0C.0**	2989	97.2	0,91	1720	5815	3,80	34.0	3000	730	4663	96.4	0,90	230	3666	95.1	0,87	100	3282	93.3	0,86
1960	1730	**1NA1 566-2AC00-0C.0**	2990	97.1	0,92	1840	6260	3,00	55.4	3000	785	5022	96.6	0,91	245	3947	95.3	0,90	110	3535	93.3	0,89
2150	1890	**1NA1 568-2AC00-0C.0**	2992	97.2	0,92	2000	6862	3,80	60.1	3000	860	5503	96.6	0,90	270	4326	95.3	0,88	120	3873	93.5	0,87
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
850	750	**1NA1 404-4AC00-0A.0**	1491	96.4	0,89	830	5444	3,20	15.6	2600	340	4368	95.0	0,87	105	3434	92.7	0,84	45	3075	89.2	0,83
850	750	**1NA1 404-4AC00-0C.0**	1489	96.4	0,89	830	5451	2,80	19.8	2600	340	4374	95.3	0,87	105	3438	92.9	0,85	45	3079	89.2	0,84
910	800	**1NA1 406-4AC00-0A.0**	1491	96.5	0,90	880	5828	3,50	17.4	2600	365	4674	95.1	0,87	115	3674	92.9	0,83	50	3290	89.7	0,82
910	800	**1NA1 406-4AC00-0C.0**	1490	96.5	0,89	890	5832	3,10	22.0	2600	365	4678	95.4	0,87	115	3678	93.2	0,84	50	3293	89.9	0,83
1000	880	**1NA1 408-4AC00-0A.0**	1492	96.6	0,90	960	6400	3,80	19.7	2600	400	5135	95.2	0,87	125	4036	93.1	0,83	55	3614	90.2	0,81
1000	880	**1NA1 408-4AC00-0C.0**	1491	96.7	0,89	970	6405	3,30	24.9	2600	400	5138	95.5	0,87	125	4039	93.5	0,84	55	3617	90.4	0,82
1150	1010	**1NA1 454-4AC00-0A.0**	1491	96.8	0,90	1100	7365	2,90	26.4	2400	460	5911	95.9	0,88	145	4646	93.7	0,85	65	4161	90.6	0,84
1150	1010	**1NA1 454-4AC00-0C.0**	1491	96.7	0,89	1120	7365	2,60	33.9	2400	460	5912	95.9	0,87	145	4647	93.8	0,85	65	4161	90.6	0,84
1250	1100	**1NA1 456-4AC00-0C.0**	1491	96.9	0,90	1200	8006	2,80	39.0	2400	500	6422	96.1	0,88	155	5048	94.1	0,85	70	4520	91.2	0,84
1260	1110	**1NA1 456-4AC00-0A.0**	1491	96.9	0,91	1200	8070	3,10	30.5	2400	505	6474	96.0	0,89	155	5089	94.0	0,86	70	4557	91.1	0,85
1410	1240	**1NA1 458-4AC00-0A.0**	1491	97.1	0,90	1360	9031	3,20	33.6	2400	565	7243	96.1	0,88	175	5693	94.2	0,85	80	5098	91.5	0,84

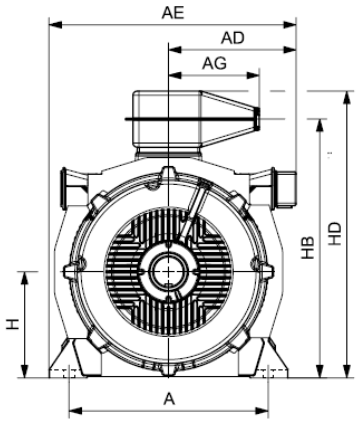
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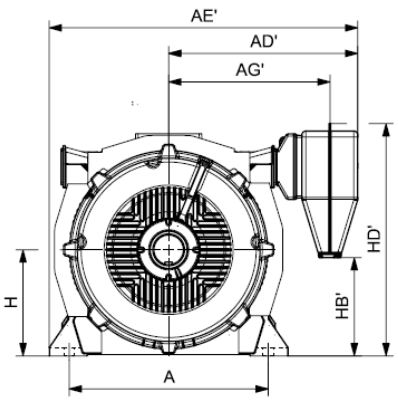
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1400	1230	**1NA1 458-4AC00-0C.0**	1492	97.0	0,89	1360	8960	2,80	42.8	2400	560	7189	96.2	0,87	175	5651	94.4	0,84	75	5060	91.6	0,83
1470	1300	**1NA1 504-4AC00-0A.0**	1491	96.5	0,88	1440	9415	2,80	32.6	2200	590	7559	95.6	0,86	185	5942	93.4	0,84	80	5320	90.1	0,83
1470	1300	**1NA1 504-4AC00-0C.0**	1491	96.5	0,86	1480	9415	2,20	42.5	2200	590	7556	95.8	0,86	185	5940	93.7	0,84	80	5319	90.5	0,83
1560	1380	**1NA1 506-4AC00-0A.0**	1491	96.5	0,89	1520	9991	3,00	37.1	2200	625	8019	95.5	0,88	195	6303	93.3	0,85	85	5644	90.1	0,85
1550	1370	**1NA1 506-4AC00-0C.0**	1492	96.6	0,88	1520	9921	2,30	48.0	2200	620	7963	95.8	0,87	195	6260	93.7	0,85	85	5605	90.5	0,84
1760	1550	**1NA1 508-4AC00-0A.0**	1492	96.8	0,89	1700	11265	3,50	42.5	2200	705	9035	95.7	0,86	220	7103	93.8	0,83	95	6360	91.1	0,81
1770	1560	**1NA1 508-4AC00-0C.0**	1493	96.9	0,88	1740	11321	2,70	54.7	2200	710	9085	96.0	0,86	220	7142	94.2	0,83	100	6395	91.6	0,82
2020	1780	**1NA1 564-4AC00-0A.0**	1492	96.8	0,89	1960	12929	2,60	60.0	2000	810	10371	96.1	0,88	250	8153	94.4	0,86	110	7300	91.7	0,85
2010	1770	**1NA1 564-4AC00-0C.0**	1492	96.9	0,88	1980	12865	2,20	79.4	2000	805	10322	96.2	0,87	250	8114	94.4	0,86	110	7266	91.7	0,85
2075	1830	**1NA1 566-4AC00-0A.0**	1492	96.8	0,90	2000	13281	2,60	66.7	2000	830	10635	96.1	0,89	260	8360	94.3	0,87	115	7486	91.6	0,86
2070	1820	**1NA1 566-4AC00-0C.0**	1492	96.9	0,89	2000	13249	2,30	88.1	2000	830	10629	96.2	0,89	260	8355	94.4	0,87	115	7481	91.6	0,86
2220	1960	**1NA1 568-4AC00-0A.0**	1493	97.0	0,90	2150	14199	3,10	73.5	2000	890	11394	96.2	0,88	280	8956	94.5	0,86	125	8020	91.9	0,85
2220	1960	**1NA1 568-4AC00-0C.0**	1493	97.0	0,90	2150	14199	2,60	96.7	2000	890	11389	96.3	0,88	280	8952	94.6	0,86	125	8016	92.0	0,85
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
650	570	**1NA1 404-6AC00-0AA0**	995	96.1	0,87	650	6238	3,30	25.8	2400	260	5006	94.2	0,84	80	3935	91.2	0,81	35	3524	87.3	0,80
660	580	**1NA1 404-6AC00-0CA0**	994	96.2	0,87	660	6341	2,80	33.2	2400	265	5091	94.8	0,85	80	4002	91.9	0,83	35	3584	87.8	0,82
710	630	**1NA1 406-6AC00-0AA0**	995	96.2	0,88	700	6814	3,50	29.6	2400	285	5467	94.3	0,85	90	4297	91.4	0,81	40	3848	87.7	0,80
710	630	**1NA1 406-6AC00-0CA0**	994	96.3	0,88	700	6821	3,00	38.0	2400	285	5472	95.0	0,85	90	4302	92.2	0,82	40	3852	88.4	0,81
730	640	**1NA1 408-6AC00-0AA0**	995	96.2	0,87	730	7006	4,40	33.5	2400	290	5617	94.0	0,82	90	4416	91.1	0,77	40	3954	87.6	0,75
780	690	**1NA1 408-6AC00-0CA0**	995	96.4	0,87	780	7486	3,40	42.0	2400	310	6005	95.0	0,83	95	4721	92.4	0,79	45	4227	88.8	0,78
950	840	**1NA1 454-6AC00-0A.0**	993	96.3	0,86	960	9136	2,80	39.5	2200	380	7330	94.8	0,84	120	5762	92.0	0,81	50	5160	88.0	0,80
950	840	**1NA1 454-6AC00-0C.0**	992	96.4	0,85	970	9145	2,40	49.1	2200	380	7335	95.1	0,84	120	5766	92.4	0,82	50	5163	88.2	0,82
980	860	**1NA1 456-6AC00-0A.0**	995	96.5	0,85	1000	9405	3,60	45.9	2200	390	7546	94.7	0,80	120	5932	92.1	0,76	55	5312	88.4	0,75
1000	880	**1NA1 456-6AC00-0C.0**	994	96.6	0,85	1020	9607	3,10	56.8	2200	400	7706	95.2	0,82	125	6058	92.8	0,79	55	5424	89.2	0,77
1000	880	**1NA1 458-6AC00-0A.0**	995	96.6	0,85	1020	9597	3,90	54.3	2200	400	7696	95.0	0,80	125	6049	92.6	0,76	55	5417	89.5	0,74
1020	900	**1NA1 458-6AC00-0C.0**	995	96.8	0,86	1020	9789	3,40	67.0	2200	410	7854	95.4	0,82	125	6173	93.3	0,78	55	5528	90.2	0,76
1200	1060	**1NA1 502-6AC00-0A.0**	992	96.3	0,83	1260	11552	2,10	52.8	2100	480	9276	95.3	0,83	150	7292	92.6	0,83	65	6529	88.6	0,82
1260	1110	**1NA1 502-6AC00-0C.0**	993	96.5	0,86	1280	12117	1,90	67.6	2100	505	9719	95.7	0,86	155	7640	93.4	0,85	70	6841	89.8	0,85
1300	1150	**1NA1 504-6AC00-0C.0**	993	96.5	0,87	1300	12502	1,90	76.2	2100	520	10031	95.7	0,87	160	7885	93.3	0,86	70	7061	89.8	0,86
1230	1090	**1NA1 504-6AC00-0A.0**	992	96.3	0,85	1260	11840	2,10	59.7	2100	490	9504	95.2	0,85	155	7471	92.6	0,84	65	6690	88.8	0,84
1460	1290	**1NA1 506-6AC00-0C.0**	994	96.7	0,87	1460	14026	2,00	85.6	2100	585	11254	95.7	0,87	180	8846	93.5	0,85	80	7922	90.4	0,85
1400	1230	**1NA1 506-6AC00-0A.0**	993	96.5	0,86	1420	13463	2,30	67.4	2100	560	10811	95.3	0,85	175	8498	92.7	0,84	75	7610	89.3	0,83
1550	1370	**1NA1 508-6AC00-0A.0**	994	96.6	0,86	1560	14891	2,70	76.4	2100	620	11954	95.3	0,84	195	9397	92.9	0,82	85	8414	89.7	0,80
1650	1450	**1NA1 508-6AC00-0C.0**	995	96.8	0,87	1640	15836	2,30	96.8	2100	660	12705	95.8	0,86	205	9987	93.7	0,84	90	8943	90.8	0,82
2020	1780	**1NA1 564-6AC00-0C.0**	994	97.1	0,88	1980	19406	2,30	136.8	2000	810	15570	96.1	0,87	250	12239	93.9	0,87	110	10960	90.9	0,86

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SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2200	1940	**1NA1 566-6AC00-0C.0**	995	97.3	0,87	2150	21114	2,80	151.9	2000	880	16930	96.2	0,85	275	13308	94.3	0,83	120	11917	91.7	0,81
2260	1990	**1NA1 568-6AC00-0C.0**	995	97.3	0,88	2200	21690	2,70	167.0	2000	905	17397	96.2	0,87	280	13676	94.3	0,85	125	12246	91.7	0,84
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						
500	440	**1NA1 404-8AC00-0AA0**	744	95.7	0,83	530	6418	2,90	26.7	2400	200	5153	93.2	0,80	60	4051	89.0	0,75	25	3627	83.4	0,75
500	440	**1NA1 404-8AC00-0CA0**	742	95.6	0,81	540	6435	2,50	32.8	2400	200	5165	93.4	0,79	60	4060	89.2	0,76	25	3636	83.3	0,75
540	480	**1NA1 406-8AC00-0AA0**	745	95.8	0,80	590	6922	3,80	30.6	2400	215	5552	92.7	0,73	65	4364	88.5	0,67	30	3908	83.1	0,66
540	480	**1NA1 406-8AC00-0CA0**	744	95.9	0,80	590	6931	3,10	37.6	2400	215	5560	93.4	0,75	65	4370	89.5	0,69	30	3913	84.1	0,68
560	490	**1NA1 408-8AC00-0AA0**	745	95.9	0,83	590	7178	3,50	33.8	2400	225	5761	93.1	0,78	70	4528	89.2	0,72	30	4055	84.2	0,71
560	490	**1NA1 408-8AC00-0CA0**	744	95.9	0,82	600	7188	3,00	41.5	2400	225	5768	93.6	0,78	70	4534	89.7	0,73	30	4060	84.6	0,72
750	660	**1NA1 454-8AC00-0A.0**	743	95.6	0,80	820	9639	2,30	40.0	2200	300	7737	93.6	0,78	95	6082	89.6	0,77	40	5446	84.0	0,76
750	660	**1NA1 454-8AC00-0C.0**	741	95.6	0,80	820	9665	2,30	48.8	2200	300	7753	93.6	0,79	95	6095	89.5	0,77	40	5458	83.5	0,77
800	710	**1NA1 456-8AC00-0A.0**	744	95.8	0,81	860	10268	2,60	46.4	2200	320	8243	93.6	0,78	100	6480	89.8	0,75	45	5802	84.5	0,74
800	710	**1NA1 456-8AC00-0C.0**	743	95.8	0,81	860	10282	2,60	56.4	2200	320	8258	93.8	0,78	100	6491	89.9	0,76	45	5813	84.4	0,75
900	790	**1NA1 458-8AC00-0A.0**	745	96.1	0,79	990	11536	3,00	54.9	2200	360	9258	93.9	0,74	110	7278	90.5	0,70	50	6517	85.9	0,69
900	790	**1NA1 458-8AC00-0C.0**	744	96.2	0,79	990	11552	3,10	66.6	2200	360	9270	94.3	0,76	110	7287	90.9	0,72	50	6525	86.1	0,70
1000	880	**1NA1 504-8AC00-0A.0**	743	95.8	0,80	1100	12852	1,70	58.9	2100	400	10319	94.6	0,80	125	8112	91.5	0,78	55	7264	86.9	0,78
1000	880	**1NA1 504-8AC00-0C.0**	744	95.9	0,85	1020	12835	2,00	75.7	2100	400	10307	94.6	0,83	125	8102	91.8	0,81	55	7255	87.5	0,80
1120	990	**1NA1 506-8AC00-0A.0**	743	96.0	0,81	1200	14395	1,90	66.4	2100	450	11548	94.6	0,80	140	9078	91.6	0,78	60	8129	87.2	0,77
1120	990	**1NA1 506-8AC00-0C.0**	744	96.0	0,85	1140	14375	2,10	85.2	2100	450	11534	94.6	0,83	140	9066	91.8	0,80	60	8119	87.7	0,79
1190	1050	**1NA1 508-8AC00-0A.0**	744	96.0	0,82	1260	15274	1,90	75.3	2100	475	12265	94.6	0,81	150	9641	91.7	0,78	65	8633	87.4	0,78
1190	1050	**1NA1 508-8AC00-0C.0**	744	96.0	0,85	1220	15274	2,20	96.4	2100	475	12250	94.6	0,83	150	9629	91.8	0,80	65	8623	87.9	0,79
1500	1320	**1NA1 564-8AC00-0C.0**	744	96.6	0,85	1520	19253	2,00	136.4	2000	600	15450	95.5	0,84	185	12145	92.7	0,83	80	10875	88.9	0,82
1600	1410	**1NA1 566-8AC00-0C.0**	744	96.7	0,85	1620	20536	1,90	151.8	2000	640	16483	95.6	0,85	200	12957	92.9	0,84	85	11602	89.2	0,83
1700	1500	**1NA1 568-8AC00-0C.0**	745	96.8	0,85	1720	21790	2,20	167.1	2000	680	17490	95.5	0,84	210	13748	93.1	0,82	95	12311	89.8	0,81

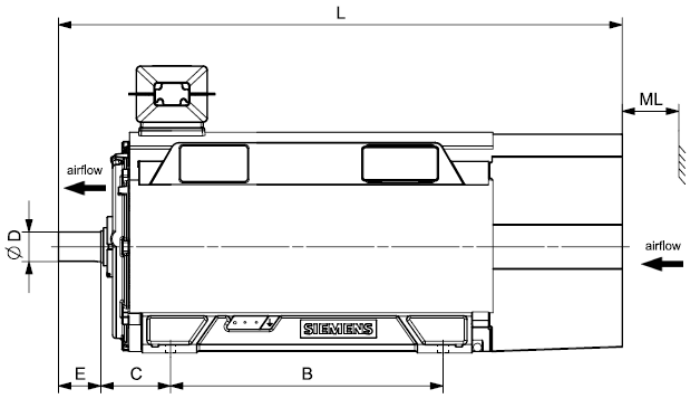


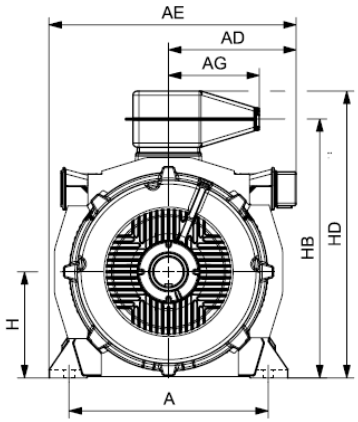


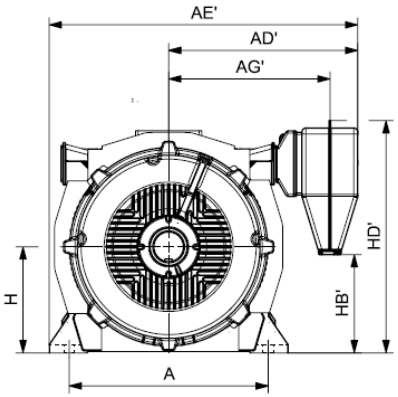


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2AC00-0A.0	3300	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 402-2AC00-0C.0	3400	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC00-0A.0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC00-0C.0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC00-0A.0	3700	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC00-0C.0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC00-0A.0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC00-0C.0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 454-2AC00-0A.0	4500	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 454-2AC00-0C.0	4700	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 456-2AC00-0A.0	4800	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 456-2AC00-0C.0	5000	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 458-2AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 458-2AC00-0C.0	5200	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 504-2AC00-0AC0	6000	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 504-2AC00-0C.0	6200	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	2472	200
1NA1 506-2AC00-0AC0	6400	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 506-2AC00-0C.0	6600	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	2472	200
1NA1 508-2AC00-0AC0	6700	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 508-2AC00-0C.0	6900	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	2472	200
1NA1 566-2AC00-0C.0	8800	1060	670	1089	1305	1724	371	945	1400	290	120	165	560	1470	627	1635	1300	2642	225
1NA1 568-2AC00-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	290	120	165	560	1470	627	1635	1300	2642	225

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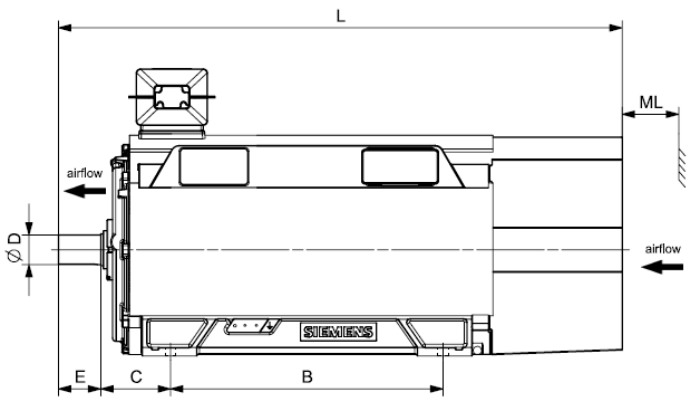


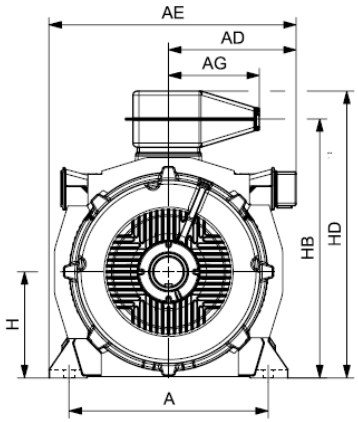


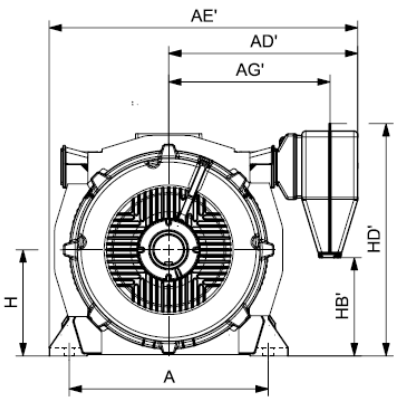


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
4-pole																			
1NA1 404-4AC00-0A.0	3500	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-4AC00-0C.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-4AC00-0A.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-4AC00-0C.0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC00-0A.0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC00-0C.0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-4AC00-0A.0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-4AC00-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC00-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC00-0A.0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC00-0C.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-4AC00-0A.0	6200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-4AC00-0C.0	6500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC00-0A.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC00-0C.0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC00-0A.0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC00-0C.0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-4AC00-0A.0	8400	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 564-4AC00-0C.0	8700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC00-0A.0	8900	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC00-0C.0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

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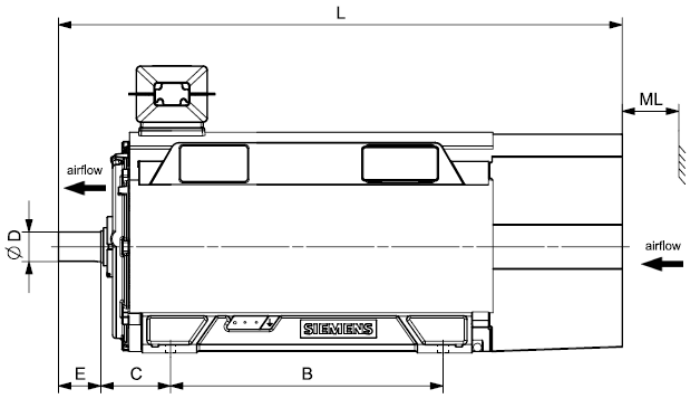


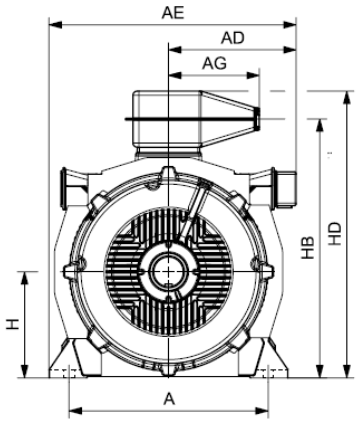


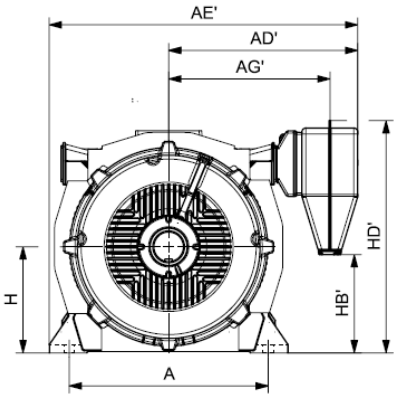


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 568-4AC00-0A.0	9300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-4AC00-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
6-pole																			
1NA1 404-6AC00-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-6AC00-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC00-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC00-0CA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC00-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC00-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-6AC00-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-6AC00-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC00-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC00-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC00-0C.0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 502-6AC00-0A.0	6000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 502-6AC00-0C.0	6300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC00-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC00-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC00-0C.0	7100	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC00-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC00-0A.0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC00-0C.0	7500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200

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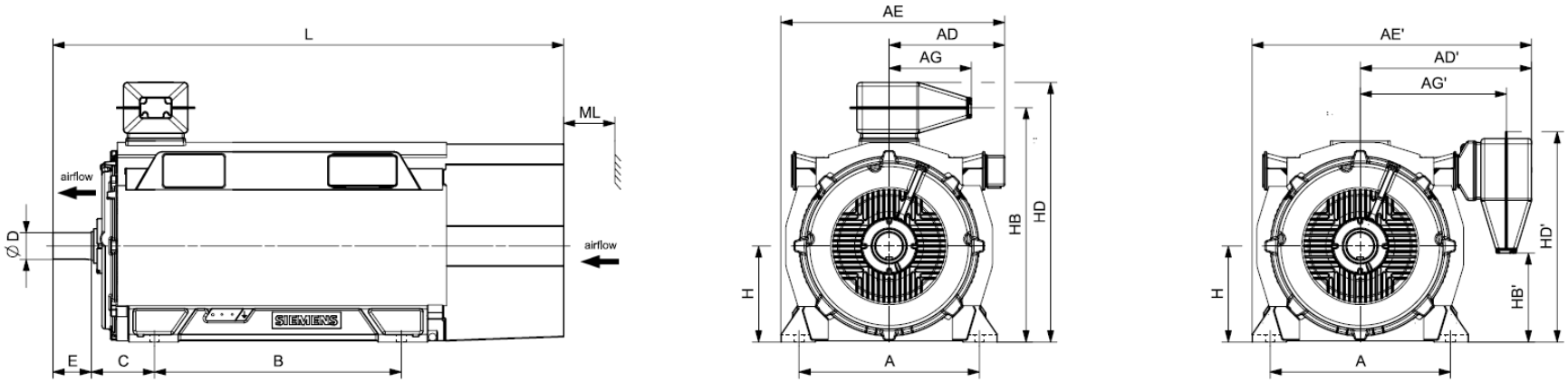






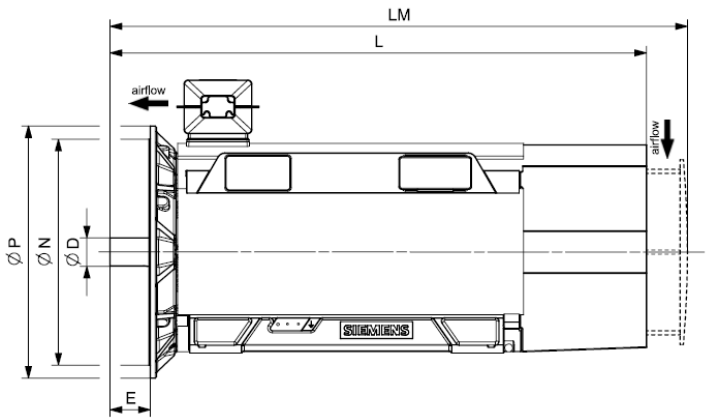
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 564-6AC00-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-6AC00-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-6AC00-0C.0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
8-pole																			
1NA1 404-8AC00-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-8AC00-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC00-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC00-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC00-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC00-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-8AC00-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-8AC00-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC00-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC00-0C.0	5100	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC00-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC00-0C.0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-8AC00-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-8AC00-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC00-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC00-0C.0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC00-0A.0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC00-0C.0	7600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-8AC00-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

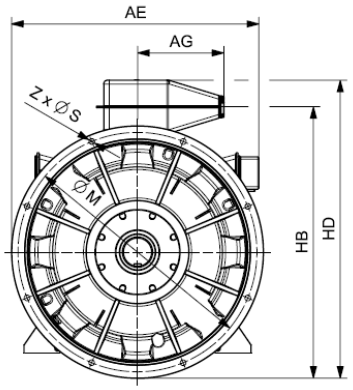
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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 566-8AC00-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-8AC00-0C.0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

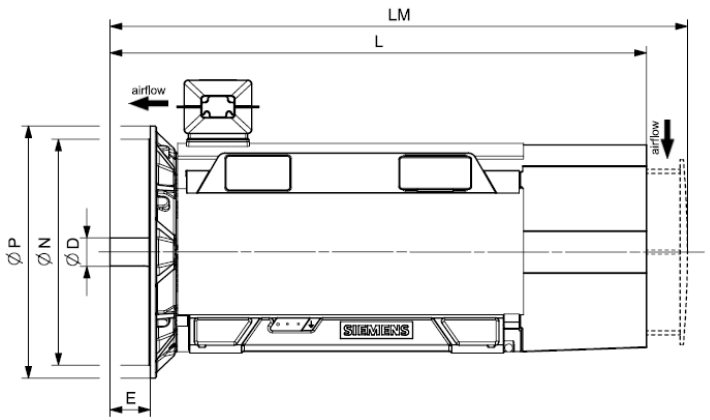
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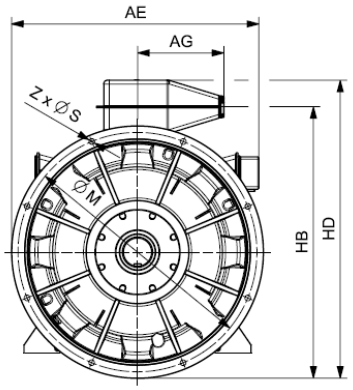




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4AC04-0AA0	3600	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-4AC04-0CA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC04-0AA0	3800	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC04-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC04-0AA0	4100	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC04-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-4AC04-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-4AC04-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC04-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC04-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC04-0AA0	5500	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC04-0CA0	5700	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-4AC04-0AA0	6400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-4AC04-0CA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC04-0AA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC04-0CA0	7100	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC04-0AA0	7400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC04-0CA0	7600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-4AC04-0AA0	8600	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 564-4AC04-0CA0	8900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC04-0AA0	9100	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC04-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

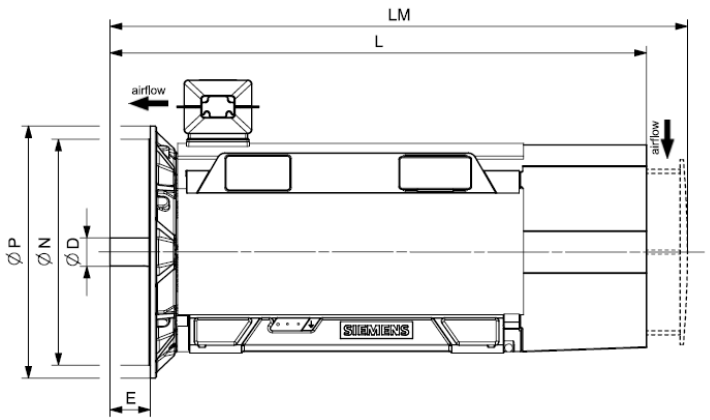
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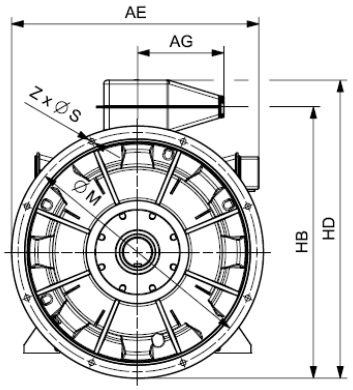




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 568-4AC04-0AA0	9500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-4AC04-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AC04-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-6AC04-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC04-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC04-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC04-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC04-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-6AC04-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-6AC04-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC04-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC04-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC04-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC04-0CA0	5900	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 502-6AC04-0AA0	6200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 502-6AC04-0CA0	6400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC04-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC04-0AA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC04-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC04-0AA0	7000	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC04-0AA0	7400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC04-0CA0	7700	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16

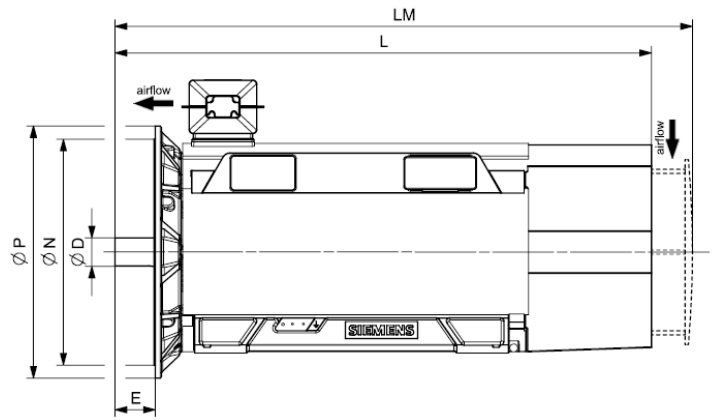
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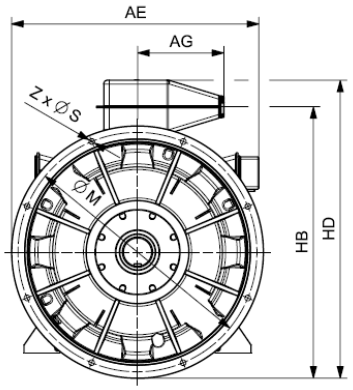




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 564-6AC04-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-6AC04-0CA0	10000	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-6AC04-0CA0	10500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AC04-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-8AC04-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC04-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC04-0CA0	4100	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC04-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC04-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-8AC04-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-8AC04-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC04-0AA0	5100	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC04-0CA0	5300	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC04-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC04-0CA0	5800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-8AC04-0AA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-8AC04-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC04-0AA0	6900	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC04-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC04-0AA0	7500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC04-0CA0	7700	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-8AC04-0CA0	9300	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-8AC04-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-8AC04-0CA0	10500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
930	820	**1NA1 402-2AC10-0A.0**	3579	96.5	0,93	870	2481	3,20	10.0	3600	370	1991	96.2	0,91	115	1565	94.5	0,88	50	1401	91.6	0,87
930	820	**1NA1 402-2AC10-0C.0**	3579	96.4	0,93	870	2481	3,10	12.3	3600	370	1990	96.1	0,91	115	1564	94.3	0,88	50	1401	91.4	0,87
950	840	**1NA1 404-2AC10-0A.0**	3580	96.6	0,94	880	2534	3,70	11.0	3600	380	2033	96.2	0,92	120	1598	94.6	0,89	50	1431	91.8	0,89
950	840	**1NA1 404-2AC10-0C.0**	3581	96.5	0,94	880	2533	3,60	13.5	3600	380	2033	96.0	0,92	120	1598	94.4	0,89	50	1431	91.6	0,88
1010	890	**1NA1 406-2AC10-0A.0**	3580	96.6	0,95	920	2694	3,90	12.2	3600	405	2161	96.2	0,93	125	1699	94.5	0,90	55	1521	91.8	0,89
1000	880	**1NA1 406-2AC10-0C.0**	3582	96.5	0,94	920	2666	3,80	14.9	3600	400	2140	96.0	0,93	125	1682	94.3	0,90	55	1506	91.7	0,89
1150	1010	**1NA1 408-2AC10-0A.0**	3582	96.9	0,94	1060	3066	4,20	13.0	3600	460	2461	96.5	0,92	145	1934	95.1	0,89	65	1732	92.8	0,88
1150	1010	**1NA1 408-2AC10-0C.0**	3583	96.8	0,94	1060	3065	4,10	15.9	3600	460	2460	96.4	0,92	145	1934	94.9	0,88	65	1732	92.7	0,87
1200	1060	**1NA1 454-2AC10-0AC0**	3585	97.0	0,94	1100	3196	3,00	13.6	3600	480	2566	96.8	0,93	150	2017	95.4	0,90	65	1806	93.0	0,90
1200	1060	**1NA1 454-2AC10-0C.0**	3585	96.9	0,94	1100	3196	2,90	19.4	3600	480	2564	96.6	0,93	150	2016	95.3	0,90	65	1805	93.0	0,90
1250	1100	**1NA1 456-2AC10-0AC0**	3583	97.0	0,94	1140	3331	2,70	15.1	3600	500	2672	96.7	0,94	155	2100	95.2	0,92	70	1881	92.6	0,92
1250	1100	**1NA1 456-2AC10-0C.0**	3583	96.9	0,94	1140	3331	2,70	21.4	3600	500	2672	96.6	0,94	155	2101	95.1	0,92	70	1881	92.6	0,92
1520	1340	**1NA1 458-2AC10-0AC0**	3586	97.4	0,95	1380	4048	3,60	16.4	3600	610	3247	97.0	0,93	190	2553	95.8	0,91	85	2286	93.8	0,90
1520	1340	**1NA1 458-2AC10-0C.0**	3587	97.3	0,95	1380	4047	3,40	23.1	3600	610	3249	96.9	0,93	190	2554	95.7	0,91	85	2287	93.8	0,90
1610	1420	**1NA1 504-2AC10-0CC0**	3585	96.6	0,91	1540	4289	2,90	29.2	3600	645	3441	96.2	0,91	200	2704	94.8	0,89	90	2422	92.8	0,89
1900	1670	**1NA1 506-2AC10-0CC0**	3588	96.9	0,91	1800	5057	3,40	33.0	3600	760	4056	96.3	0,90	240	3189	95.1	0,88	105	2855	93.5	0,87
1950	1720	**1NA1 508-2AC10-0CC0**	3590	96.9	0,91	1860	5187	3,80	36.0	3600	780	4161	96.3	0,90	245	3270	95.2	0,87	110	2929	93.6	0,86
2170	1910	**1NA1 566-2AC10-0CC0**	3591	96.9	0,92	2050	5771	3,30	54.6	3600	870	4629	96.4	0,91	270	3639	95.4	0,89	120	3258	93.7	0,88
2355	2070	**1NA1 568-2AC10-0CC0**	3593	96.9	0,91	2250	6259	4,40	59.4	3600	940	5013	96.2	0,88	295	3940	95.1	0,85	130	3528	93.6	0,84
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
960	850	**1NA1 404-4AC10-0A.0**	1791	96.4	0,90	930	5119	3,10	15.6	2600	385	4108	95.1	0,88	120	3229	93.1	0,85	55	2891	90.2	0,84
950	840	**1NA1 404-4AC10-0C.0**	1789	96.5	0,89	930	5071	2,80	19.8	2600	380	4068	95.4	0,87	120	3198	93.4	0,85	50	2864	90.3	0,84
1020	900	**1NA1 406-4AC10-0A.0**	1792	96.5	0,90	980	5435	3,50	17.4	2600	410	4361	95.1	0,87	125	3428	93.2	0,83	55	3070	90.6	0,82
1020	900	**1NA1 406-4AC10-0C.0**	1790	96.6	0,89	990	5441	3,10	22.0	2600	410	4364	95.5	0,87	125	3431	93.6	0,84	55	3072	90.8	0,83
1120	990	**1NA1 408-4AC10-0A.0**	1792	96.6	0,90	1080	5968	3,80	19.7	2600	450	4787	95.1	0,87	140	3763	93.4	0,83	60	3369	91.1	0,82
1150	1010	**1NA1 408-4AC10-0C.0**	1791	96.7	0,90	1100	6132	3,30	24.9	2600	460	4919	95.6	0,87	145	3867	93.8	0,84	65	3462	91.3	0,83
1320	1160	**1NA1 454-4AC10-0A.0**	1791	96.9	0,90	1260	7038	3,20	26.4	2400	530	5645	95.8	0,88	165	4437	94.1	0,84	75	3973	91.6	0,83
1310	1150	**1NA1 454-4AC10-0C.0**	1792	96.8	0,89	1280	6981	2,90	33.9	2400	525	5601	95.9	0,87	165	4403	94.2	0,84	70	3943	91.6	0,82
1470	1300	**1NA1 456-4AC10-0A.0**	1791	97.0	0,91	1400	7838	3,20	30.5	2400	590	6285	96.0	0,88	185	4941	94.4	0,85	80	4424	92.1	0,84
1450	1280	**1NA1 456-4AC10-0C.0**	1792	97.0	0,90	1380	7727	2,90	39.0	2400	580	6199	96.1	0,88	180	4873	94.5	0,84	80	4363	92.2	0,83
1600	1410	**1NA1 458-4AC10-0C.0**	1792	97.1	0,89	1540	8526	3,00	42.8	2400	640	6838	96.3	0,87	200	5375	94.8	0,83	90	4813	92.7	0,82
1600	1410	**1NA1 458-4AC10-0A.0**	1792	97.1	0,90	1540	8526	3,30	33.6	2400	640	6839	96.2	0,88	200	5376	94.7	0,84	90	4814	92.6	0,83
1610	1420	**1NA1 504-4AC10-0A.0**	1790	96.2	0,89	1580	8589	2,60	32.6	2200	645	6894	95.5	0,88	200	5419	93.5	0,86	90	4853	90.6	0,85
1610	1420	**1NA1 504-4AC10-0C.0**	1790	96.3	0,87	1600	8589	2,10	42.5	2200	645	6890	95.7	0,87	200	5416	93.8	0,86	90	4850	90.9	0,85

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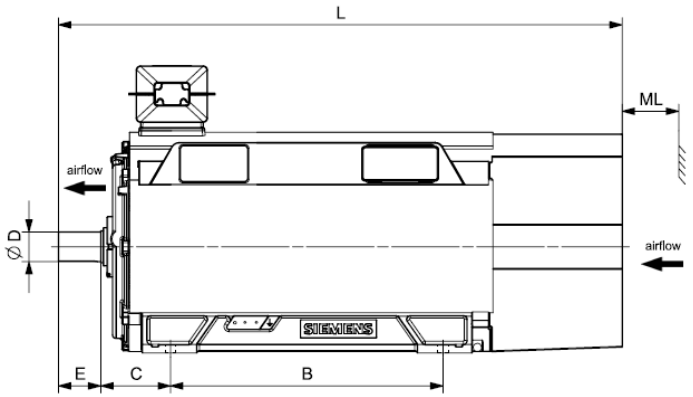
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1870	1650	**1NA1 506-4AC10-0A.0**	1791	96.6	0,89	1820	9971	3,00	37.1	2200	750	8000	95.6	0,87	235	6289	93.9	0,84	105	5631	91.4	0,83
1870	1650	**1NA1 506-4AC10-0C.0**	1792	96.7	0,87	1860	9965	2,30	48.0	2200	750	7998	95.9	0,87	235	6287	94.3	0,84	105	5630	91.8	0,83
1900	1670	**1NA1 508-4AC10-0A.0**	1792	96.6	0,90	1820	10125	3,20	42.5	2200	760	8124	95.5	0,88	240	6386	93.8	0,85	105	5718	91.5	0,84
1900	1670	**1NA1 508-4AC10-0C.0**	1792	96.7	0,89	1840	10125	2,50	54.7	2200	760	8121	95.8	0,88	240	6384	94.2	0,85	105	5717	91.9	0,84
2210	1950	**1NA1 564-4AC10-0A.0**	1793	96.5	0,88	2200	11770	2,60	60.0	2000	885	9449	96.0	0,87	275	7428	94.6	0,85	125	6651	92.2	0,84
2210	1950	**1NA1 564-4AC10-0C.0**	1792	96.6	0,87	2200	11777	2,30	79.4	2000	885	9451	96.1	0,87	275	7429	94.6	0,85	125	6652	92.2	0,84
2270	2000	**1NA1 566-4AC10-0A.0**	1792	96.5	0,89	2200	12096	2,60	66.7	2000	910	9700	96.1	0,88	285	7625	94.6	0,86	125	6828	92.2	0,86
2270	2000	**1NA1 566-4AC10-0C.0**	1792	96.6	0,89	2200	12096	2,30	88.1	2000	910	9708	96.1	0,88	285	7631	94.6	0,86	125	6833	92.3	0,86
2550	2250	**1NA1 568-4AC10-0A.0**	1794	96.7	0,90	2450	13573	3,50	73.5	2000	1020	10887	95.9	0,87	320	8558	94.4	0,84	140	7663	92.2	0,83
2560	2260	**1NA1 568-4AC10-0C.0**	1794	96.8	0,90	2450	13627	3,00	96.7	2000	1025	10930	96.1	0,87	320	8592	94.6	0,84	145	7694	92.4	0,83
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
780	690	**1NA1 404-6AC10-0AA0**	1194	96.2	0,88	770	6238	2,90	25.8	2400	310	5005	94.4	0,86	95	3934	91.8	0,84	45	3523	88.3	0,83
770	680	**1NA1 404-6AC10-0CA0**	1193	96.3	0,87	770	6163	2,60	33.2	2400	310	4945	95.0	0,86	95	3887	92.4	0,84	40	3481	88.8	0,83
820	720	**1NA1 406-6AC10-0AA0**	1195	96.3	0,88	810	6553	3,40	29.6	2400	330	5257	94.4	0,85	105	4132	91.9	0,82	45	3700	88.8	0,80
820	720	**1NA1 406-6AC10-0CA0**	1194	96.5	0,88	810	6558	2,90	38.0	2400	330	5261	95.1	0,86	100	4136	92.8	0,83	45	3703	89.6	0,82
860	760	**1NA1 408-6AC10-0AA0**	1195	96.2	0,86	870	6872	4,40	33.5	2400	345	5515	93.8	0,81	110	4335	91.3	0,76	50	3882	88.5	0,74
910	800	**1NA1 408-6AC10-0CA0**	1195	96.6	0,87	910	7272	3,50	42.0	2400	365	5832	95.0	0,83	115	4585	92.8	0,78	50	4105	89.9	0,77
1100	970	**1NA1 454-6AC10-0A.0**	1194	96.5	0,86	1100	8798	3,00	39.5	2200	440	7061	94.8	0,83	135	5550	92.5	0,79	60	4970	89.1	0,78
1110	980	**1NA1 454-6AC10-0C.0**	1193	96.6	0,85	1140	8885	2,60	49.1	2200	445	7133	95.3	0,84	140	5607	93.0	0,81	60	5021	89.6	0,80
1150	1010	**1NA1 456-6AC10-0A.0**	1194	96.7	0,86	1160	9197	3,30	45.9	2200	460	7376	95.0	0,82	145	5798	92.9	0,79	65	5192	90.0	0,77
1170	1030	**1NA1 456-6AC10-0C.0**	1194	96.8	0,86	1180	9357	2,80	56.8	2200	470	7509	95.5	0,83	145	5902	93.5	0,81	65	5285	90.5	0,79
1200	1060	**1NA1 458-6AC10-0A.0**	1195	96.8	0,87	1200	9589	3,30	54.3	2200	480	7696	95.1	0,84	150	6049	93.1	0,80	65	5417	90.5	0,79
1200	1060	**1NA1 458-6AC10-0C.0**	1194	96.9	0,87	1200	9597	2,90	67.0	2200	480	7698	95.4	0,84	150	6051	93.5	0,81	65	5419	90.9	0,80
1400	1240	**1NA1 502-6AC10-0A.0**	1191	96.4	0,83	1460	11225	2,00	52.8	2100	560	9010	95.3	0,84	175	7082	93.0	0,83	75	6342	89.8	0,83
1500	1320	**1NA1 502-6AC10-0C.0**	1193	96.6	0,86	1520	12007	1,80	67.6	2100	600	9633	95.8	0,86	185	7572	93.8	0,86	85	6780	90.8	0,85
1550	1370	**1NA1 504-6AC10-0A.0**	1193	96.6	0,84	1600	12407	2,40	59.7	2100	620	9955	95.4	0,83	195	7825	93.3	0,81	85	7007	90.3	0,80
1650	1450	**1NA1 504-6AC10-0C.0**	1194	96.8	0,86	1660	13196	2,10	76.2	2100	660	10589	96.0	0,85	205	8324	94.1	0,84	90	7454	91.4	0,83
1600	1410	**1NA1 506-6AC10-0A.0**	1193	96.6	0,86	1620	12807	2,40	67.4	2100	640	10281	95.4	0,85	200	8082	93.2	0,83	90	7237	90.3	0,82
1700	1500	**1NA1 506-6AC10-0C.0**	1194	96.8	0,87	1680	13596	2,10	85.6	2100	680	10907	95.9	0,86	215	8574	94.0	0,85	95	7677	91.3	0,84
1850	1630	**1NA1 508-6AC10-0A.0**	1194	96.8	0,86	1860	14796	2,70	76.4	2100	740	11876	95.4	0,84	230	9336	93.4	0,81	100	8360	91.0	0,80
1960	1730	**1NA1 508-6AC10-0C.0**	1195	97.0	0,87	1940	15662	2,40	96.8	2100	785	12565	95.9	0,86	245	9877	94.3	0,83	110	8844	92.0	0,82
2300	2030	**1NA1 564-6AC10-0C.0**	1195	97.2	0,87	2300	18379	2,70	136.8	2000	920	14743	96.0	0,86	290	11589	94.3	0,84	130	10378	92.0	0,83
2420	2130	**1NA1 566-6AC10-0C.0**	1195	97.2	0,88	2350	19338	2,50	151.9	2000	970	15518	96.0	0,87	305	12198	94.2	0,86	135	10923	91.9	0,85
2510	2210	**1NA1 568-6AC10-0C.0**	1196	97.2	0,88	2450	20041	2,90	167.0	2000	1005	16082	95.9	0,86	315	12641	94.2	0,84	140	11320	91.8	0,83
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						

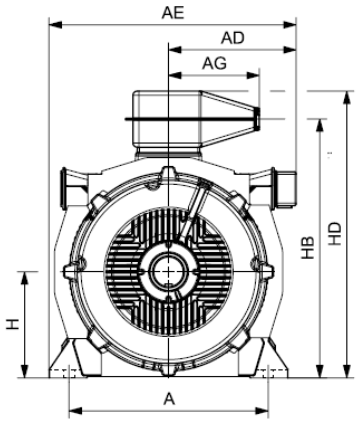
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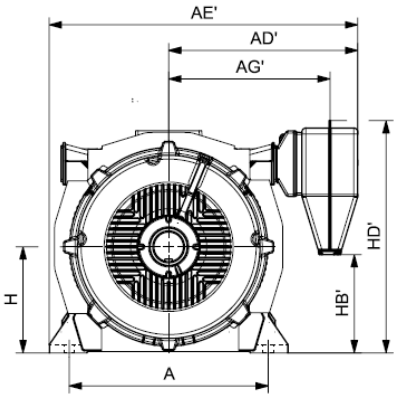
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
600	530	**1NA1 404-8AC10-0AA0**	893	95.9	0,84	620	6416	2,70	26.7	2400	240	5150	93.4	0,82	75	4048	89.7	0,78	35	3625	84.8	0,77
580	510	**1NA1 404-8AC10-0CA0**	892	95.8	0,82	620	6209	2,30	32.8	2400	230	4986	93.6	0,80	70	3920	89.9	0,77	30	3510	84.7	0,77
630	560	**1NA1 406-8AC10-0AA0**	894	96.0	0,84	650	6729	3,10	30.6	2400	250	5398	93.2	0,80	80	4244	89.6	0,75	35	3800	85.0	0,74
620	550	**1NA1 406-8AC10-0CA0**	893	96.0	0,83	650	6630	2,70	37.6	2400	250	5320	93.6	0,80	75	4182	90.0	0,75	35	3745	85.3	0,74
660	580	**1NA1 408-8AC10-0AA0**	894	96.1	0,84	680	7050	3,20	33.8	2400	265	5653	93.4	0,80	80	4444	90.1	0,75	35	3979	85.9	0,73
650	570	**1NA1 408-8AC10-0CA0**	894	96.1	0,83	680	6943	2,80	41.5	2400	260	5575	93.8	0,79	80	4382	90.5	0,75	35	3924	86.1	0,74
860	760	**1NA1 454-8AC10-0A.0**	892	95.8	0,80	940	9207	2,00	40.0	2200	345	7388	93.9	0,80	105	5807	90.5	0,78	45	5200	85.6	0,78
850	750	**1NA1 454-8AC10-0C.0**	891	95.8	0,81	920	9110	2,10	48.8	2200	340	7315	93.9	0,79	105	5750	90.3	0,79	45	5149	85.0	0,78
1300	1150	**1NA1 456-8AC10-0A.0**	892	96.1	0,80	1420	13917	2,00	46.4	2200	555	12000	94.0	0,80	200	10853	89.8	0,80	90	10470	83.3	0,81
1000	880	**1NA1 456-8AC10-0C.0**	893	96.2	0,79	1100	10694	2,60	56.4	2200	400	8586	94.3	0,77	125	6750	91.2	0,74	55	6044	86.8	0,73
1020	900	**1NA1 458-8AC10-0A.0**	894	96.2	0,81	1100	10895	2,80	54.9	2200	410	8738	93.9	0,77	125	6869	90.9	0,74	55	6151	87.2	0,72
1020	900	**1NA1 458-8AC10-0C.0**	894	96.3	0,81	1100	10895	2,90	66.6	2200	410	8748	94.1	0,78	125	6877	91.2	0,74	55	6158	87.2	0,73
1100	970	**1NA1 504-8AC10-0A.0**	893	96.0	0,81	1180	11763	1,70	58.9	2100	440	9441	94.7	0,80	135	7421	92.1	0,79	60	6646	88.2	0,78
1150	1010	**1NA1 504-8AC10-0C.0**	893	95.9	0,85	1180	12298	2,00	75.7	2100	460	9867	94.7	0,84	145	7756	92.1	0,81	65	6945	88.4	0,81
1170	1030	**1NA1 506-8AC10-0A.0**	893	96.0	0,82	1240	12511	1,80	66.4	2100	470	10037	94.8	0,81	145	7890	92.2	0,79	65	7065	88.5	0,78
1200	1060	**1NA1 506-8AC10-0C.0**	894	96.0	0,85	1240	12818	2,10	85.2	2100	480	10289	94.7	0,84	150	8088	92.2	0,81	65	7242	88.7	0,80
1320	1160	**1NA1 508-8AC10-0C.0**	895	96.1	0,85	1360	14084	2,50	96.4	2100	530	11296	94.7	0,81	165	8880	92.5	0,77	75	7952	89.4	0,76
1320	1160	**1NA1 508-8AC10-0A.0**	894	96.3	0,81	1420	14100	2,20	75.3	2100	530	11307	94.9	0,79	165	8888	92.6	0,76	75	7959	89.2	0,74
1700	1500	**1NA1 564-8AC10-0C.0**	894	96.6	0,85	1740	18159	1,90	136.4	2000	680	14583	95.5	0,85	210	11463	93.0	0,84	95	10265	89.6	0,83
1820	1600	**1NA1 566-8AC10-0C.0**	894	96.8	0,85	1860	19440	2,10	151.8	2000	730	15594	95.4	0,85	225	12258	93.1	0,83	100	10977	90.1	0,82
1910	1680	**1NA1 568-8AC10-0C.0**	895	96.9	0,85	1940	20379	2,20	167.1	2000	765	16354	95.6	0,84	240	12856	93.4	0,82	105	11512	90.6	0,80

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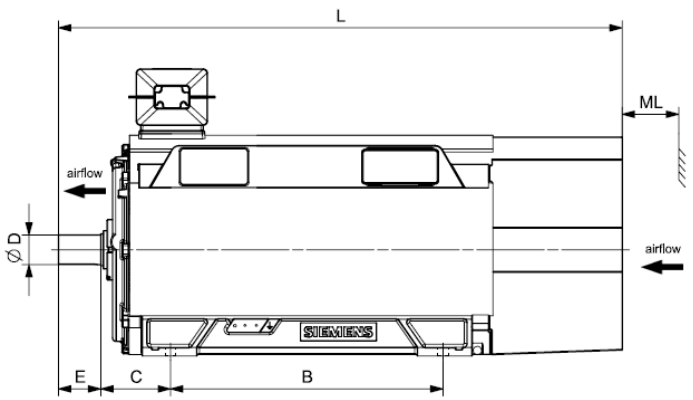


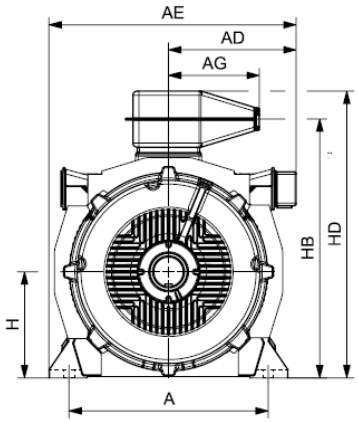


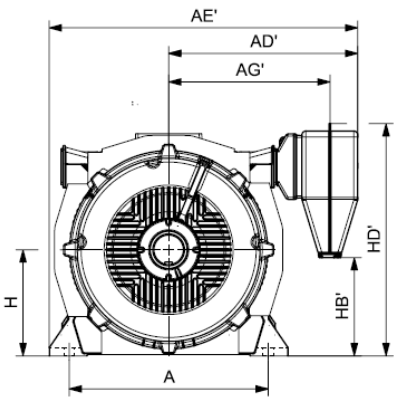


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2AC10-0A.0	3300	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 402-2AC10-0C.0	3400	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC10-0A.0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 404-2AC10-0C.0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC10-0A.0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 406-2AC10-0C.0	3700	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC10-0A.0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 408-2AC10-0C.0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2162	160
1NA1 454-2AC10-0AC0	4600	850	564	884	1079	1399	356	670	1250	450	95	130	450	1068	451	1282	1057	2482	180
1NA1 454-2AC10-0C.0	4700	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 456-2AC10-0AC0	4800	850	564	884	1079	1399	356	670	1250	450	95	130	450	1068	451	1282	1057	2482	180
1NA1 456-2AC10-0C.0	4900	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 458-2AC10-0AC0	5000	850	564	884	1079	1399	356	670	1250	450	95	130	450	1068	451	1282	1057	2482	180
1NA1 458-2AC10-0C.0	5100	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2286	180
1NA1 504-2AC10-0CC0	6100	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 506-2AC10-0CC0	6500	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 508-2AC10-0CC0	6900	950	610	1029	1175	1594	371	885	1320	475	110	165	500	1343	522	1508	1194	2662	200
1NA1 566-2AC10-0CC0	8400	1060	670	1089	1305	1724	371	945	1400	560	120	165	560	1470	627	1635	1300	2922	225
1NA1 568-2AC10-0CC0	8700	1060	670	1089	1305	1724	371	945	1400	560	120	165	560	1470	627	1635	1300	2922	225
4-pole																			
1NA1 404-4AC10-0A.0	3500	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-4AC10-0C.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160

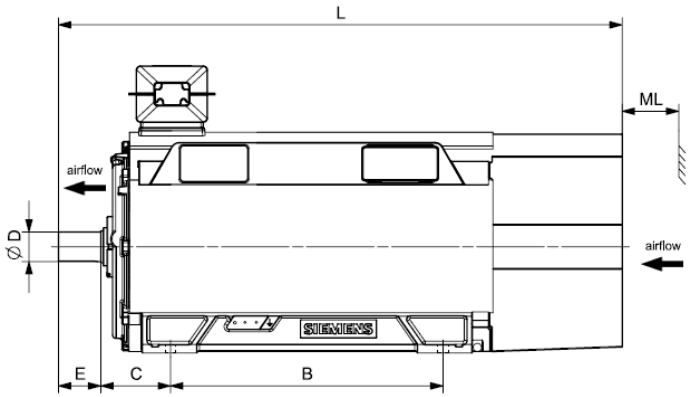
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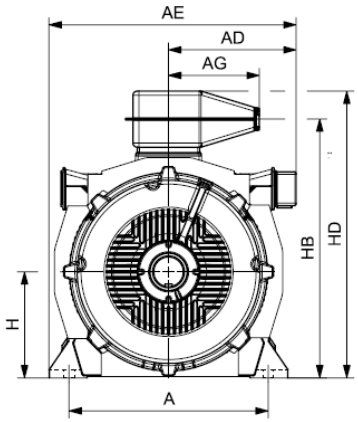


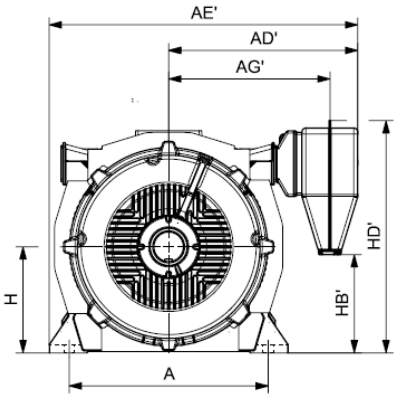




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 406-4AC10-0A.0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-4AC10-0C.0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC10-0A.0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-4AC10-0C.0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-4AC10-0A.0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-4AC10-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC10-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-4AC10-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC10-0C.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-4AC10-0A.0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-4AC10-0A.0	6200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-4AC10-0C.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC10-0A.0	6700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-4AC10-0C.0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC10-0A.0	7100	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-4AC10-0C.0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-4AC10-0A.0	8300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 564-4AC10-0C.0	8600	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC10-0A.0	8800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-4AC10-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-4AC10-0A.0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-4AC10-0C.0	9600	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
6-pole																			

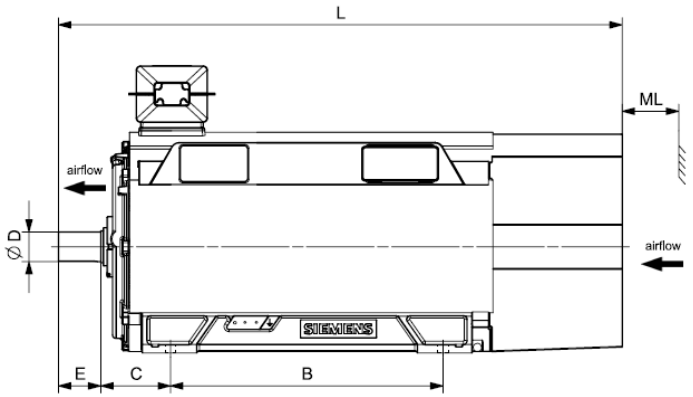


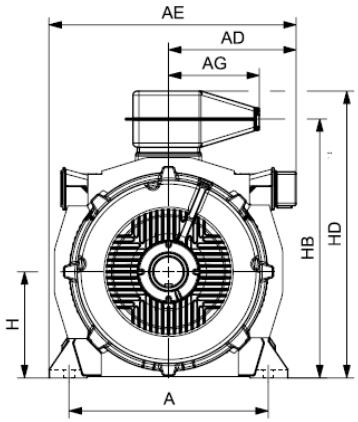


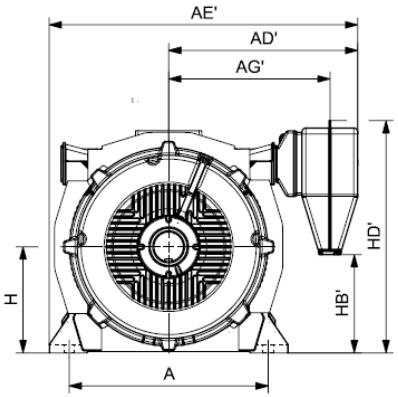


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 404-6AC10-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-6AC10-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC10-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-6AC10-0CA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC10-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-6AC10-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-6AC10-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-6AC10-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC10-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-6AC10-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC10-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-6AC10-0C.0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 502-6AC10-0A.0	6100	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 502-6AC10-0C.0	6300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC10-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-6AC10-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC10-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-6AC10-0C.0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC10-0A.0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-6AC10-0C.0	7600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-6AC10-0C.0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-6AC10-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-6AC10-0C.0	10200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

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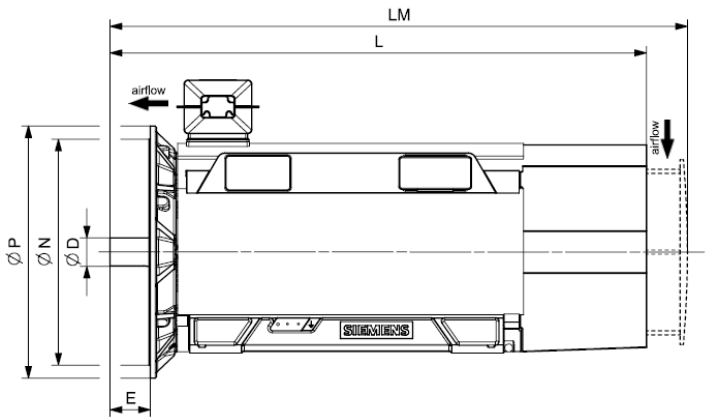


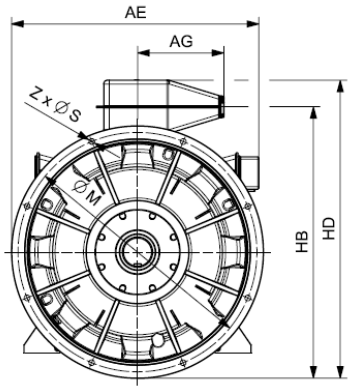




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
8-pole																			
1NA1 404-8AC10-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 404-8AC10-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC10-0AA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 406-8AC10-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC10-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 408-8AC10-0CA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2197	160
1NA1 454-8AC10-0A.0	4600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 454-8AC10-0C.0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC10-0A.0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 456-8AC10-0C.0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC10-0A.0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 458-8AC10-0C.0	5600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2457	180
1NA1 504-8AC10-0A.0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 504-8AC10-0C.0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC10-0A.0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 506-8AC10-0C.0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC10-0C.0	7500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 508-8AC10-0A.0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	2672	200
1NA1 564-8AC10-0C.0	9100	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 566-8AC10-0C.0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225
1NA1 568-8AC10-0C.0	10200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	2847	225

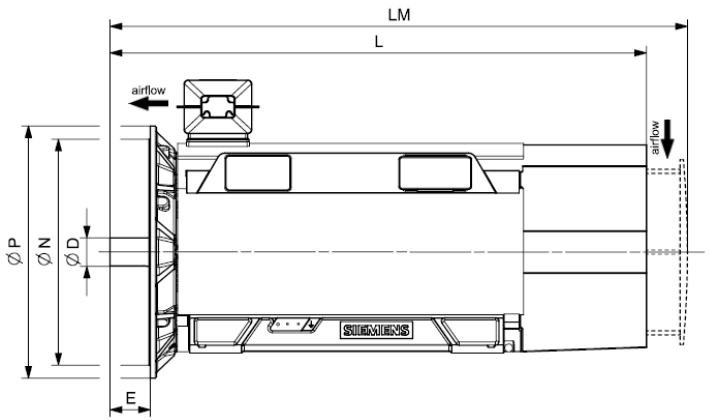
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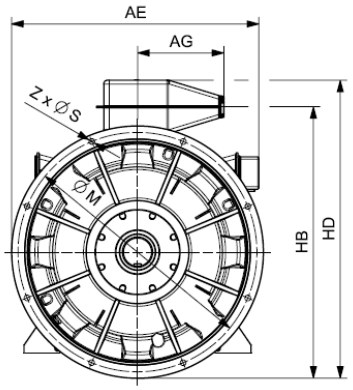




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 404-4AC14-0AA0	3600	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-4AC14-0CA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC14-0AA0	3800	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-4AC14-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC14-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-4AC14-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-4AC14-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-4AC14-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC14-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-4AC14-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC14-0CA0	5700	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-4AC14-0AA0	5500	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-4AC14-0AA0	6400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-4AC14-0CA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC14-0AA0	6900	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-4AC14-0CA0	7100	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC14-0AA0	7300	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-4AC14-0CA0	7600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-4AC14-0AA0	8500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 564-4AC14-0CA0	8900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC14-0AA0	9000	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-4AC14-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

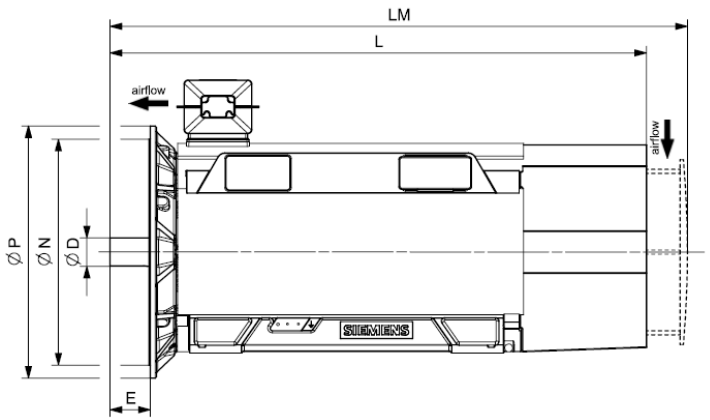
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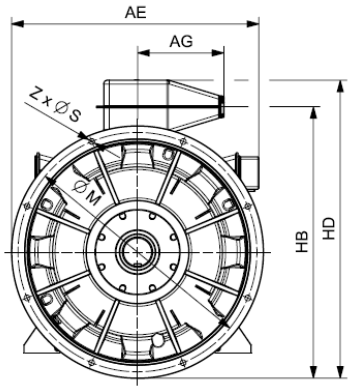




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 568-4AC14-0AA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-4AC14-0CA0	9800	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 404-6AC14-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-6AC14-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC14-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-6AC14-0CA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC14-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-6AC14-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-6AC14-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-6AC14-0CA0	5000	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC14-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-6AC14-0CA0	5400	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC14-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-6AC14-0CA0	5900	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 502-6AC14-0AA0	6200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 502-6AC14-0CA0	6500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC14-0AA0	6600	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-6AC14-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC14-0AA0	6900	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-6AC14-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC14-0AA0	7500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-6AC14-0CA0	7800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16

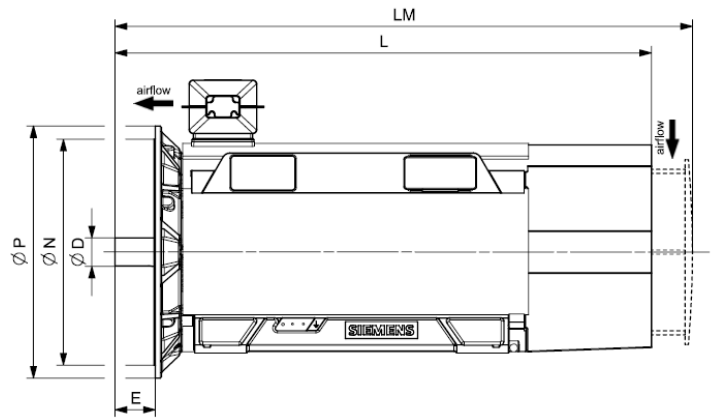
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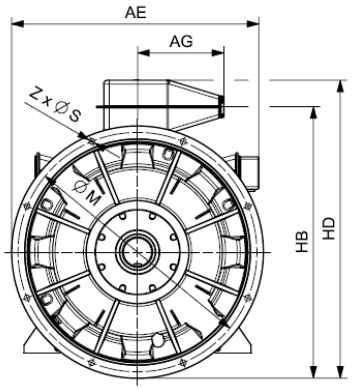




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 564-6AC14-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 566-6AC14-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-6AC14-0CA0	10400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 404-8AC14-0AA0	3700	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 404-8AC14-0CA0	3900	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC14-0AA0	4000	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 406-8AC14-0CA0	4100	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC14-0AA0	4200	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 408-8AC14-0CA0	4400	1020	356	110	1044	1258	2197	2347	940	880	1000	22	8
1NA1 454-8AC14-0AA0	4800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 454-8AC14-0CA0	4900	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC14-0AA0	5200	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 456-8AC14-0CA0	5300	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC14-0AA0	5600	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 458-8AC14-0CA0	5800	1139	356	120	1193	1407	2457	2657	1080	1000	1150	26	8
1NA1 504-8AC14-0AA0	6500	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 504-8AC14-0CA0	6800	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC14-0AA0	7000	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 506-8AC14-0CA0	7200	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC14-0CA0	7700	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 508-8AC14-0AA0	7400	1235	371	140	1468	1633	2672	2872	1180	1120	1250	26	16
1NA1 564-8AC14-0CA0	9400	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

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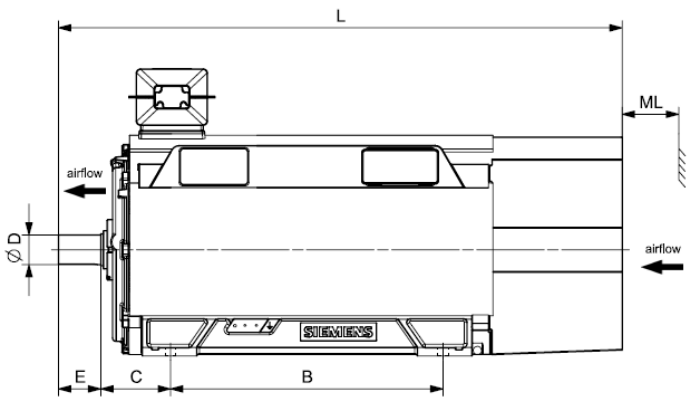
Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-8AC14-0CA0	9900	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16
1NA1 568-8AC14-0CA0	10500	1370	371	160	1610	1775	2847	3087	1320	1250	1400	26	16

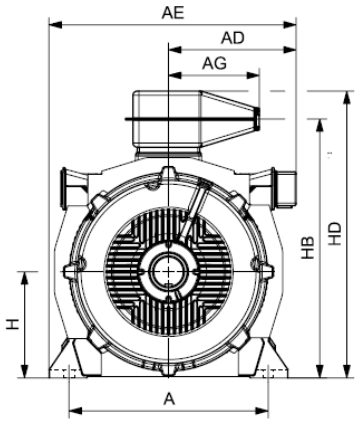
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																						
	960	**1NA1 454-2AR40-0A.0**	2986	96.9	0,90	152	3070	2,90	14.3	3600	385	2463	96.8	0,90	120	1936	94.9	0,87	55	1734	92.6	0,83
	950	**1NA1 454-2AR40-0C.0**	2983	96.7	0,90	152	3041	2,50	18.4	3600	380	2441	96.6	0,90	120	1919	94.5	0,87	55	1719	92.0	0,83
	1050	**1NA1 456-2AR40-0A.0**	2986	97.0	0,91	166	3358	3,10	15.8	3600	420	2693	96.9	0,90	130	2117	95.0	0,88	60	1896	92.7	0,83
	1020	**1NA1 456-2AR40-0C.0**	2984	96.9	0,91	160	3264	2,70	20.3	3600	410	2619	96.8	0,90	125	2059	94.6	0,87	55	1844	92.2	0,83
	1170	**1NA1 458-2AR40-0A.0**	2987	97.1	0,92	182	3740	3,40	17.0	3600	470	3000	97.0	0,91	145	2358	95.0	0,88	65	2111	92.5	0,83
	1150	**1NA1 458-2AR40-0C.0**	2985	97.0	0,91	180	3679	2,80	21.9	3600	460	2952	96.9	0,90	145	2321	94.6	0,87	65	2078	92.1	0,83
	1310	**1NA1 504-2AR40-0AC0**	2987	96.9	0,90	210	4188	3,20	22.6	3600	525	3360	97.1	0,90	165	2641	95.6	0,87	75	2365	93.6	0,83
	1310	**1NA1 504-2AR40-0C.0**	2987	96.8	0,90	210	4188	2,80	27.0	3000	525	3360	97.0	0,90	165	2641	95.5	0,87	75	2365	93.3	0,82
	1450	**1NA1 506-2AR40-0AC0**	2987	97.1	0,91	230	4636	3,20	25.7	3600	580	3719	97.2	0,90	180	2923	95.7	0,88	80	2618	93.8	0,84
	1450	**1NA1 506-2AR40-0C.0**	2988	97.0	0,90	230	4634	2,80	31.0	3000	580	3719	97.2	0,90	180	2923	95.6	0,88	80	2618	93.6	0,83
	1600	**1NA1 508-2AR40-0AC0**	2989	97.2	0,91	250	5112	3,90	28.1	3600	640	4100	97.3	0,90	200	3223	95.8	0,87	90	2886	93.8	0,82
	1600	**1NA1 508-2AR40-0C.0**	2990	97.1	0,91	250	5110	3,30	34.0	3000	640	4100	97.3	0,90	200	3223	95.7	0,87	90	2886	93.6	0,80
	1900	**1NA1 566-2AR40-0C.0**	2990	97.3	0,91	300	6068	2,70	55.4	3000	760	4868	97.5	0,91	240	3827	96.3	0,89	105	3427	94.7	0,85
	2100	**1NA1 568-2AR40-0C.0**	2991	97.4	0,92	325	6705	2,90	60.1	3000	840	5378	97.6	0,91	265	4228	96.3	0,89	115	3786	94.7	0,84
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																						
	960	**1NA1 454-4AR40-0A.0**	1493	96.6	0,85	162	6140	3,30	21.6	2400	385	4928	96.4	0,82	120	3874	93.7	0,76	55	3469	89.6	0,63
	960	**1NA1 454-4AR40-0C.0**	1493	96.6	0,84	164	6140	2,70	27.6	2400	385	4929	96.5	0,82	120	3875	94.0	0,77	55	3470	90.7	0,67
	1050	**1NA1 456-4AR40-0A.0**	1493	96.7	0,86	176	6716	3,30	24.8	2400	420	5390	96.6	0,84	130	4237	93.9	0,78	60	3794	90.2	0,67
	1050	**1NA1 456-4AR40-0C.0**	1493	96.7	0,85	178	6716	2,70	31.8	2400	420	5391	96.6	0,83	130	4238	94.2	0,78	60	3795	91.1	0,70
	1160	**1NA1 458-4AR40-0A.0**	1494	96.8	0,85	196	7414	3,70	27.3	2400	465	5950	96.7	0,82	145	4677	94.2	0,74	65	4188	90.3	0,61
	1170	**1NA1 458-4AR40-0C.0**	1494	96.8	0,84	200	7478	3,00	34.8	2400	470	6002	96.8	0,82	145	4718	94.6	0,76	65	4225	91.4	0,65
	1300	**1NA1 504-4AR40-0A.0**	1492	96.6	0,87	215	8320	2,70	32.6	2200	520	6679	96.6	0,87	160	5250	94.7	0,83	70	4701	91.9	0,75
	1300	**1NA1 504-4AR40-0C.0**	1492	96.6	0,86	215	8320	2,10	42.5	2200	520	6677	96.7	0,86	160	5249	94.9	0,83	70	4700	92.5	0,77
	1460	**1NA1 506-4AR40-0A.0**	1492	96.7	0,88	240	9344	2,90	37.1	2200	585	7498	96.8	0,87	180	5894	94.7	0,83	80	5278	91.9	0,74
	1460	**1NA1 506-4AR40-0C.0**	1493	96.8	0,87	240	9338	2,30	48.0	2200	585	7494	96.8	0,86	185	5891	95.0	0,83	80	5275	92.6	0,76
	1520	**1NA1 508-4AR40-0A.0**	1494	96.8	0,88	250	9715	3,50	42.5	2200	610	7797	96.9	0,86	190	6129	95.0	0,80	85	5488	92.0	0,70
	1550	**1NA1 508-4AR40-0C.0**	1494	96.9	0,87	255	9907	2,70	54.7	2200	620	7951	97.0	0,86	195	6250	95.3	0,81	85	5597	92.8	0,73
	1810	**1NA1 562-4AR40-0C.0**	1493	96.9	0,86	300	11577	2,10	72.5	2000	725	9288	97.1	0,85	225	7301	95.5	0,82	100	6538	93.3	0,75
	1820	**1NA1 562-4AR40-0A.0**	1493	96.9	0,87	300	11641	2,50	54.5	2000	730	9343	97.1	0,86	230	7344	95.4	0,82	100	6576	92.9	0,73
	2020	**1NA1 564-4AR40-0A.0**	1494	97.0	0,88	330	12911	2,70	60.0	2000	810	10362	97.2	0,86	255	8146	95.4	0,82	115	7294	92.8	0,72
	2010	**1NA1 564-4AR40-0C.0**	1494	97.1	0,87	330	12847	2,30	79.4	2000	805	10315	97.2	0,86	250	8108	95.5	0,82	110	7261	93.3	0,75
	2200	**1NA1 566-4AR40-0A.0**	1494	97.2	0,88	355	14062	2,80	66.7	2000	880	11283	97.3	0,87	275	8869	95.4	0,82	125	7942	92.8	0,73
	2200	**1NA1 566-4AR40-0C.0**	1494	97.2	0,87	360	14062	2,40	88.1	2000	880	11286	97.3	0,86	275	8872	95.5	0,82	125	7944	93.4	0,75
	2360	**1NA1 568-4AR40-0A.0**	1495	97.2	0,88	385	15074	3,10	73.5	2000	945	12098	97.4	0,87	295	9510	95.5	0,81	130	8516	92.8	0,71

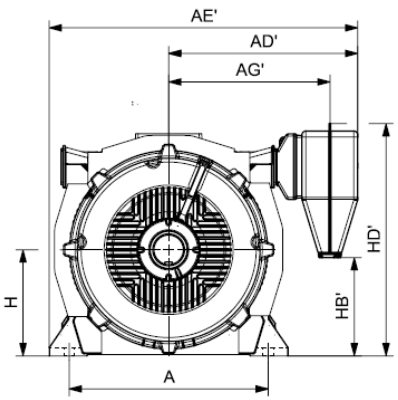
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SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	2370	**1NA1 568-4AR40-0C.0**	1495	97.3	0,88	385	15138	2,60	96.7	2000	950	12150	97.4	0,86	295	9551	95.7	0,82	130	8553	93.4	0,73
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	710	**1NA1 454-6AR40-0A.0**	994	96.3	0,80	128	6821	2,40	31.8	2200	285	5475	95.8	0,79	90	4303	92.7	0,74	40	3854	88.1	0,63
	720	**1NA1 454-6AR40-0C.0**	994	96.4	0,83	124	6917	2,50	41.0	2200	290	5552	95.9	0,81	90	4365	92.8	0,76	40	3908	88.5	0,66
	800	**1NA1 456-6AR40-0A.0**	994	96.4	0,81	142	7686	2,40	36.9	2200	320	6166	95.9	0,80	100	4847	93.2	0,75	45	4340	88.9	0,64
	800	**1NA1 456-6AR40-0C.0**	994	96.4	0,84	138	7686	2,60	47.3	2200	320	6166	96.0	0,82	100	4847	93.2	0,77	45	4340	89.2	0,67
	860	**1NA1 458-6AR40-0A.0**	995	96.5	0,82	150	8254	2,60	43.6	2200	345	6624	96.1	0,80	105	5207	93.5	0,74	50	4663	89.5	0,64
	870	**1NA1 458-6AR40-0C.0**	995	96.5	0,84	148	8350	2,80	55.8	2200	350	6701	96.2	0,81	110	5268	93.5	0,76	50	4717	89.8	0,66
	950	**1NA1 502-6AR40-0A.0**	994	96.3	0,84	162	9127	2,60	52.8	2100	380	7330	95.9	0,83	120	5762	93.1	0,80	55	5160	89.0	0,72
	1000	**1NA1 502-6AR40-0C.0**	995	96.4	0,86	168	9597	2,30	67.6	2100	400	7703	96.2	0,86	125	6055	93.7	0,83	55	5422	90.1	0,75
	1050	**1NA1 504-6AR40-0A.0**	994	96.4	0,85	178	10087	2,40	59.7	2100	420	8100	96.1	0,85	130	6367	93.5	0,82	60	5701	90.0	0,75
	1120	**1NA1 504-6AR40-0C.0**	995	96.6	0,87	184	10749	2,10	76.2	2100	450	8632	96.3	0,87	140	6785	94.1	0,85	60	6076	91.0	0,79
	1180	**1NA1 506-6AR40-0A.0**	994	96.6	0,85	200	11336	2,60	67.4	2100	470	9104	96.3	0,84	145	7156	93.7	0,81	65	6408	90.2	0,73
	1250	**1NA1 506-6AR40-0C.0**	995	96.8	0,87	205	11997	2,30	85.6	2100	500	9626	96.6	0,86	155	7566	94.4	0,83	70	6775	91.4	0,76
	1310	**1NA1 508-6AR40-0A.0**	994	96.7	0,86	220	12585	2,80	76.4	2100	525	10099	96.4	0,85	165	7938	93.7	0,81	75	7108	90.2	0,72
	1400	**1NA1 508-6AR40-0C.0**	996	96.9	0,87	230	13423	2,40	96.8	2100	560	10776	96.7	0,86	175	8471	94.4	0,83	80	7585	91.5	0,75
	1770	**1NA1 564-6AR40-0C.0**	995	97.2	0,87	290	16987	2,40	136.8	2000	710	13635	97.1	0,87	220	10718	94.9	0,86	100	9598	92.3	0,79
	1890	**1NA1 566-6AR40-0C.0**	995	97.2	0,87	310	18139	2,60	151.9	2000	755	14551	97.2	0,87	235	11438	95.2	0,85	105	10242	92.7	0,78
	2000	**1NA1 568-6AR40-0C.0**	996	97.3	0,87	330	19175	2,90	167.0	2000	800	15386	97.3	0,86	250	12094	95.1	0,83	110	10830	92.5	0,74
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	600	**1NA1 454-8AR40-0A.0**	744	95.8	0,78	112	7701	2,20	32.0	2200	240	6183	95.0	0,77	75	4860	91.0	0,72	35	4352	85.1	0,62
	610	**1NA1 454-8AR40-0C.0**	744	95.9	0,80	110	7829	2,20	41.1	2200	245	6284	95.1	0,78	75	4939	91.0	0,73	35	4423	85.4	0,64
	650	**1NA1 456-8AR40-0A.0**	744	95.9	0,78	120	8343	2,40	37.1	2200	260	6693	95.2	0,77	80	5261	91.2	0,72	35	4711	85.6	0,62
	650	**1NA1 456-8AR40-0C.0**	745	96.0	0,80	118	8332	2,40	47.5	2200	260	6689	95.3	0,78	80	5258	91.3	0,73	35	4709	85.8	0,63
	710	**1NA1 458-8AR40-0A.0**	745	96.1	0,79	130	9101	2,40	43.9	2200	285	7312	95.5	0,77	90	5747	92.0	0,72	40	5147	86.9	0,62
	710	**1NA1 458-8AR40-0C.0**	745	96.1	0,80	128	9101	2,50	55.9	2200	285	7302	95.5	0,78	90	5740	92.0	0,72	40	5140	87.0	0,62
	760	**1NA1 504-8AR40-0A.0**	745	95.9	0,80	138	9742	2,20	58.9	2100	305	7821	95.3	0,79	95	6148	92.4	0,75	40	5505	88.1	0,67
	780	**1NA1 504-8AR40-0C.0**	745	95.9	0,84	134	9998	2,50	75.7	2100	310	8021	95.3	0,82	95	6305	92.5	0,77	45	5646	88.4	0,69
	800	**1NA1 506-8AR40-0A.0**	746	96.0	0,80	144	10241	2,60	66.4	2100	320	8226	95.4	0,78	100	6467	92.6	0,72	45	5791	87.9	0,61
	800	**1NA1 506-8AR40-0C.0**	746	95.8	0,83	140	10241	3,00	85.2	2100	320	8214	95.4	0,80	100	6456	92.7	0,73	45	5781	88.1	0,63
	850	**1NA1 508-8AR40-0A.0**	746	96.0	0,80	154	10881	2,80	75.3	2100	340	8733	95.5	0,77	105	6865	92.8	0,71	45	6147	88.2	0,60
	840	**1NA1 508-8AR40-0C.0**	747	95.9	0,82	148	10738	3,20	96.4	2100	335	8620	95.5	0,79	105	6776	92.8	0,72	45	6068	88.3	0,61
	1120	**1NA1 564-8AR40-0C.0**	746	96.7	0,84	192	14337	2,70	136.4	2000	450	11503	96.5	0,82	140	9042	93.9	0,77	60	8097	90.4	0,67
	1310	**1NA1 566-8AR40-0C.0**	746	96.8	0,84	225	16769	2,70	151.8	2000	525	13453	96.6	0,82	165	10575	93.8	0,77	75	9469	90.3	0,67
	1350	**1NA1 568-8AR40-0C.0**	746	96.9	0,84	230	17281	2,80	167.1	2000	540	13860	96.7	0,82	170	10895	94.3	0,77	75	9756	91.0	0,67

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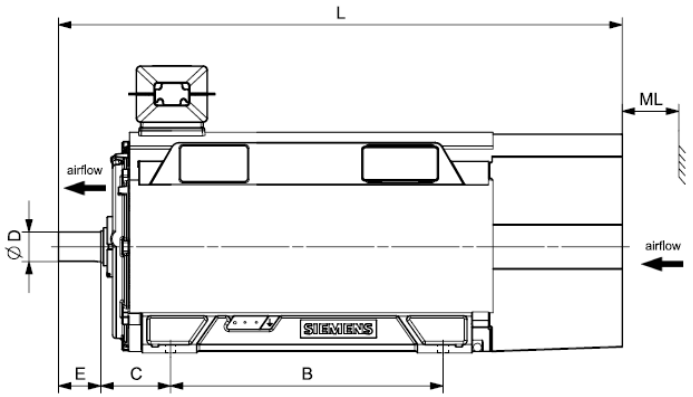


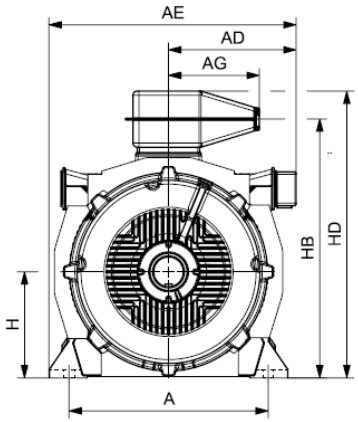


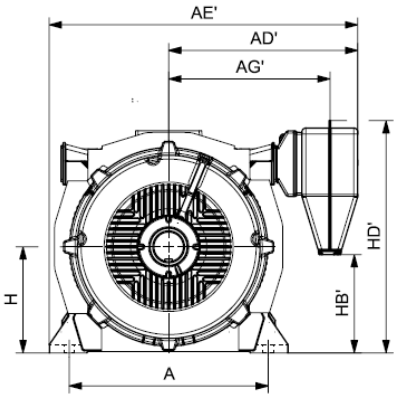


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2AR40-0A.0	4600	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 454-2AR40-0C.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AR40-0A.0	4900	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AR40-0C.0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AR40-0A.0	5100	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 504-2AR40-0AC0	6100	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 504-2AR40-0C.0	6200	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 506-2AR40-0AC0	6500	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 506-2AR40-0C.0	6700	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 508-2AR40-0AC0	6800	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 508-2AR40-0C.0	7000	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	2472	200
1NA1 566-2AR40-0C.0	9000	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	2642	225
1NA1 568-2AR40-0C.0	9400	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	2642	225
4-pole																			
1NA1 454-4AR40-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-4AR40-0C.0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR40-0A.0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR40-0A.0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR40-0C.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-4AR40-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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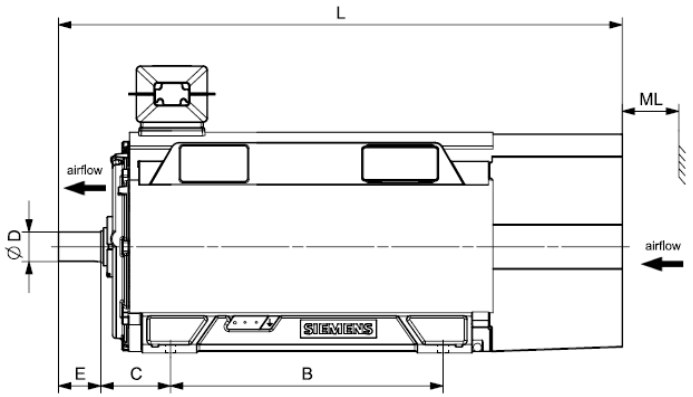


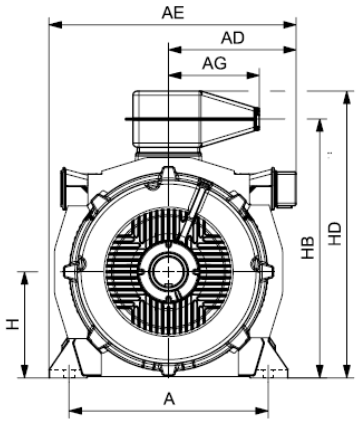


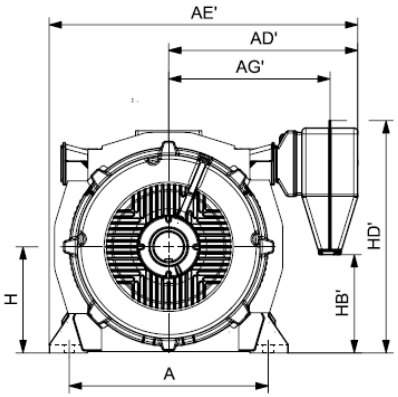


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-4AR40-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR40-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR40-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AR40-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AR40-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 562-4AR40-0C.0	8300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 562-4AR40-0A.0	8000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR40-0A.0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR40-0C.0	8700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR40-0A.0	8900	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR40-0C.0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR40-0A.0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR40-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
6-pole																			
1NA1 454-6AR40-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-6AR40-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR40-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR40-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR40-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 502-6AR40-0A.0	5900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 502-6AR40-0C.0	6100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AR40-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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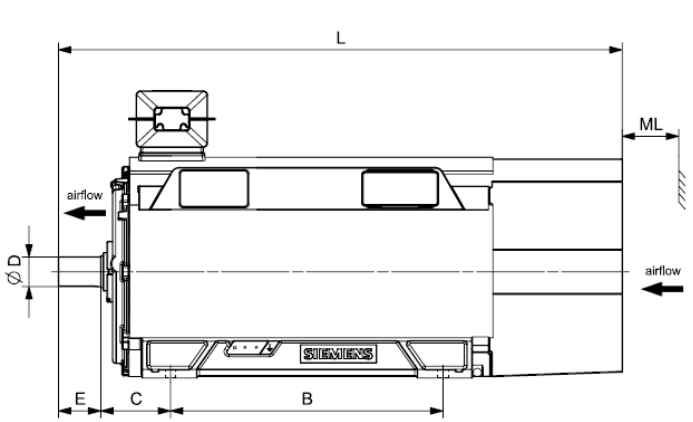


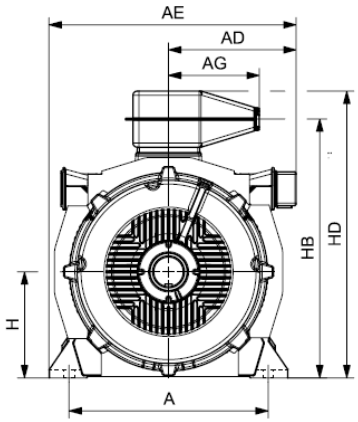


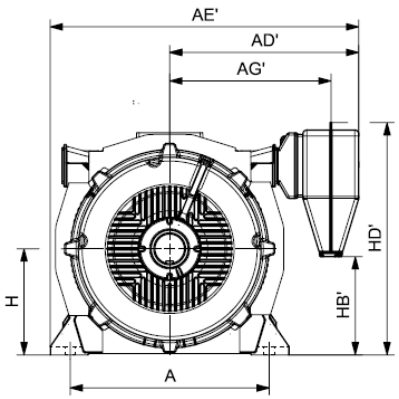


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-6AR40-0C.0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR40-0A.0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR40-0C.0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AR40-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AR40-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-6AR40-0C.0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-6AR40-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-6AR40-0C.0	10300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
8-pole																			
1NA1 454-8AR40-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-8AR40-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR40-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR40-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR40-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR40-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-8AR40-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-8AR40-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR40-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR40-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR40-0A.0	7100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR40-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-8AR40-0C.0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-8AR40-0C.0	9600	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

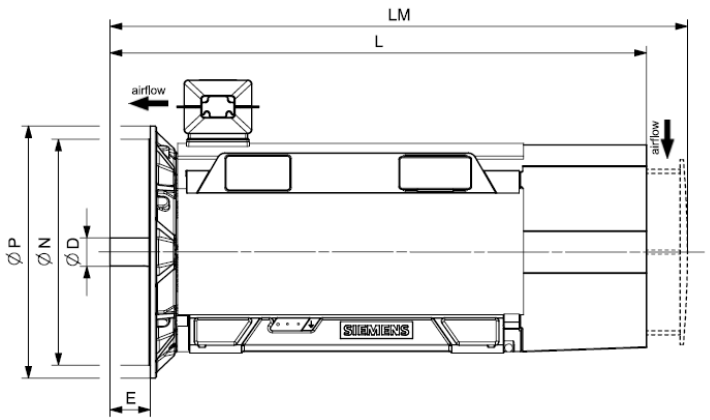
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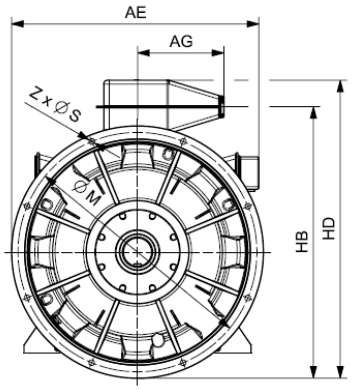






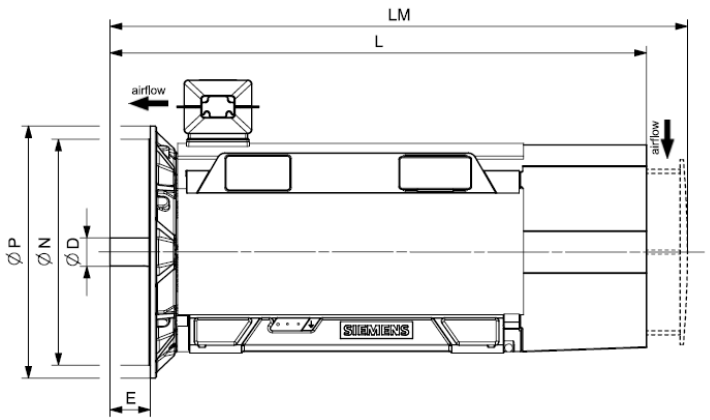
Motor type	Weight	Dimensions																		
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																				
1NA1 568-8AR40-0C.0	10200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

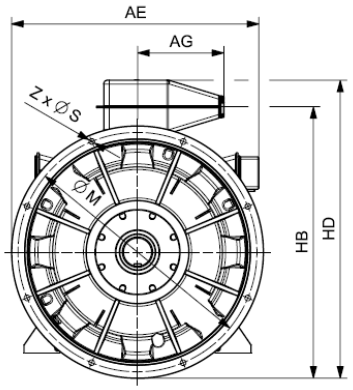




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4AR44-0AA0	4900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-4AR44-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR44-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR44-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR44-0AA0	5500	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR44-0CA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-4AR44-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-4AR44-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR44-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR44-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR44-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR44-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 562-4AR44-0CA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 562-4AR44-0AA0	8200	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR44-0AA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR44-0CA0	9000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR44-0AA0	9100	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR44-0CA0	9500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR44-0AA0	9600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR44-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 454-6AR44-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

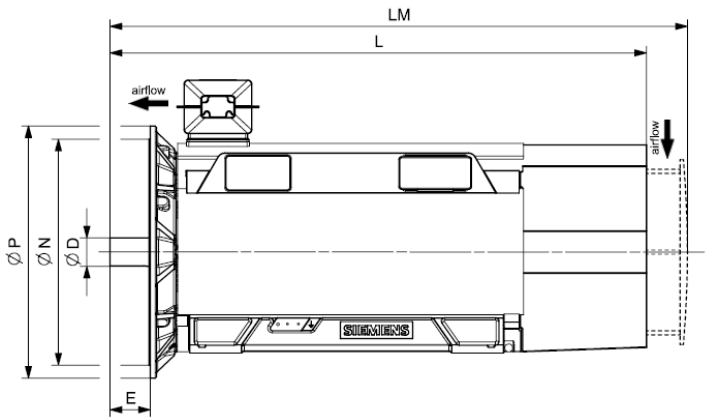
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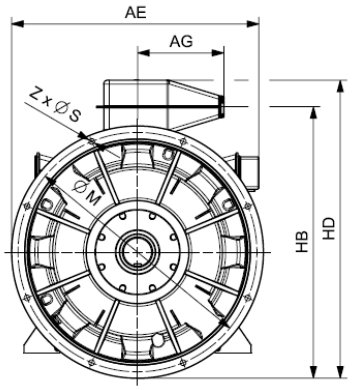




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6AR44-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR44-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR44-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR44-0AA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR44-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 502-6AR44-0AA0	6100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 502-6AR44-0CA0	6300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR44-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR44-0CA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR44-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR44-0CA0	7200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR44-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR44-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-6AR44-0CA0	9400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-6AR44-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-6AR44-0CA0	10500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 454-8AR44-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-8AR44-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR44-0AA0	5100	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR44-0CA0	5300	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR44-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR44-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

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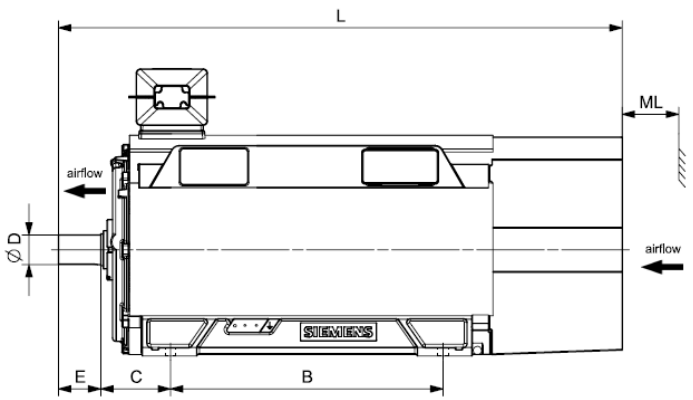
Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8AR44-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-8AR44-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR44-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR44-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR44-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR44-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-8AR44-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-8AR44-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-8AR44-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

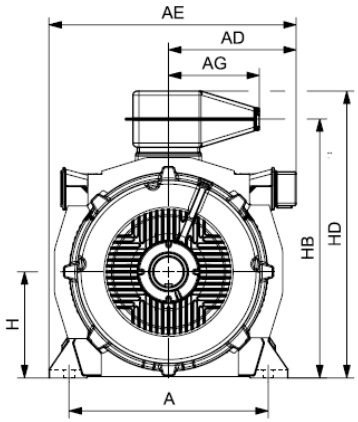
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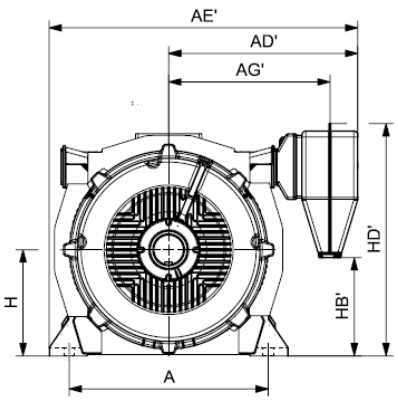
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	1120	**1NA1 454-2AR30-0AC0**	3586	96.9	0,90	178	2982	2,90	13.8	3600	450	2393	97.0	0,89	140	1881	95.5	0,87	60	1684	93.5	0,82
	1100	**1NA1 454-2AR30-0C.0**	3584	96.7	0,90	176	2931	2,50	18.7	3600	440	2352	96.8	0,89	140	1849	95.1	0,86	60	1656	92.9	0,81
	1260	**1NA1 456-2AR30-0AC0**	3587	97.0	0,91	198	3354	3,20	15.3	3600	505	2690	97.1	0,90	160	2115	95.6	0,87	70	1893	93.6	0,81
	1250	**1NA1 456-2AR30-0C.0**	3585	96.9	0,90	198	3330	2,70	20.6	3600	500	2672	97.0	0,90	155	2100	95.2	0,86	70	1881	93.0	0,79
	1410	**1NA1 458-2AR30-0AC0**	3588	97.2	0,91	220	3753	3,50	16.6	3600	565	3010	97.2	0,90	175	2366	95.6	0,86	80	2119	93.5	0,80
	1400	**1NA1 458-2AR30-0C.0**	3586	97.0	0,91	220	3728	2,90	22.3	3600	560	2991	97.1	0,89	175	2351	95.2	0,86	80	2105	92.9	0,76
	1500	**1NA1 504-2AR30-0CC0**	3588	96.7	0,90	240	3992	2,90	28.9	3600	600	3204	97.0	0,90	190	2519	95.5	0,87	85	2255	93.6	0,81
	1670	**1NA1 506-2AR30-0CC0**	3588	96.9	0,91	265	4445	3,00	32.6	3600	670	3566	97.2	0,90	210	2803	95.5	0,87	95	2510	93.7	0,82
	1750	**1NA1 508-2AR30-0CC0**	3590	96.9	0,91	275	4655	3,60	35.6	3600	700	3733	97.2	0,90	220	2935	95.6	0,86	100	2628	93.7	0,78
	2160	**1NA1 566-2AR30-0CC0**	3590	97.1	0,91	340	5746	2,70	54.6	3600	865	4610	97.5	0,91	270	3623	96.4	0,90	120	3245	95.0	0,86
	2400	**1NA1 568-2AR30-0CC0**	3591	97.2	0,92	370	6382	2,80	59.4	3600	960	5120	97.6	0,91	300	4025	96.4	0,90	135	3604	95.0	0,86
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	1150	**1NA1 454-4AR30-0A.0**	1793	96.7	0,84	196	6125	3,20	21.6	2400	460	4914	96.6	0,82	145	3863	94.2	0,74	65	3459	90.5	0,61
	1150	**1NA1 454-4AR30-0C.0**	1793	96.7	0,84	196	6125	2,70	27.6	2400	460	4917	96.6	0,82	145	3865	94.5	0,76	65	3461	91.6	0,65
	1200	**1NA1 456-4AR30-0A.0**	1794	96.7	0,84	205	6387	3,60	24.8	2400	480	5125	96.7	0,81	150	4029	94.1	0,74	65	3608	90.5	0,60
	1210	**1NA1 456-4AR30-0C.0**	1794	96.7	0,84	205	6441	3,00	31.8	2400	485	5169	96.8	0,81	150	4063	94.6	0,75	70	3639	91.7	0,64
	1300	**1NA1 458-4AR30-0A.0**	1794	96.8	0,85	220	6920	3,90	27.3	2400	520	5551	96.8	0,81	165	4363	94.3	0,73	75	3907	90.8	0,60
	1310	**1NA1 458-4AR30-0C.0**	1794	96.8	0,84	225	6973	3,20	34.8	2400	525	5594	96.8	0,82	165	4397	94.8	0,75	75	3938	91.9	0,63
	1510	**1NA1 504-4AR30-0A.0**	1792	96.4	0,88	245	8047	2,70	32.6	2200	605	6460	96.7	0,87	190	5078	94.8	0,83	85	4547	92.3	0,74
	1510	**1NA1 504-4AR30-0C.0**	1792	96.5	0,86	255	8047	2,20	42.5	2200	605	6460	96.8	0,86	190	5078	95.1	0,83	85	4547	93.0	0,76
	1660	**1NA1 506-4AR30-0A.0**	1793	96.6	0,88	270	8841	3,20	37.1	2200	665	7094	96.8	0,86	210	5577	94.7	0,81	95	4994	92.0	0,71
	1670	**1NA1 506-4AR30-0C.0**	1793	96.7	0,87	275	8894	2,50	48.0	2200	670	7136	96.9	0,86	210	5609	95.1	0,82	95	5023	92.9	0,74
	1750	**1NA1 508-4AR30-0A.0**	1793	96.7	0,89	280	9320	3,20	42.5	2200	700	7478	96.9	0,87	220	5878	95.2	0,82	100	5263	92.8	0,74
	1750	**1NA1 508-4AR30-0C.0**	1794	96.8	0,87	290	9315	2,50	54.7	2200	700	7477	97.0	0,86	220	5877	95.4	0,82	100	5263	93.4	0,75
	2050	**1NA1 562-4AR30-0C.0**	1793	96.7	0,86	340	10918	2,10	72.5	2000	820	8760	97.1	0,86	255	6886	95.6	0,83	115	6166	93.8	0,76
	2060	**1NA1 562-4AR30-0A.0**	1793	96.6	0,87	340	10971	2,40	54.5	2000	825	8805	97.0	0,86	260	6922	95.5	0,83	115	6198	93.4	0,74
	2255	**1NA1 564-4AR30-0A.0**	1794	96.7	0,88	370	12003	2,60	60.0	2000	900	9618	97.1	0,87	280	7560	95.4	0,83	125	6770	93.3	0,74
	2255	**1NA1 564-4AR30-0C.0**	1793	96.9	0,87	370	12010	2,20	79.4	2000	900	9618	97.2	0,86	280	7560	95.6	0,83	125	6770	93.7	0,76
	2420	**1NA1 566-4AR30-0A.0**	1794	96.8	0,88	395	12881	2,80	66.7	2000	970	10337	97.2	0,87	305	8125	95.3	0,82	135	7276	92.9	0,73
	2455	**1NA1 566-4AR30-0C.0**	1794	97.0	0,88	400	13068	2,40	88.1	2000	980	10470	97.2	0,87	305	8230	95.5	0,83	135	7370	93.5	0,76
	2650	**1NA1 568-4AR30-0A.0**	1795	97.0	0,89	425	14098	3,10	73.5	2000	1060	11313	97.2	0,87	330	8892	94.8	0,81	150	7963	92.1	0,70
	2670	**1NA1 568-4AR30-0C.0**	1795	97.1	0,88	435	14204	2,70	96.7	2000	1070	11401	97.3	0,86	335	8962	95.1	0,82	150	8025	92.9	0,73
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	800	**1NA1 454-6AR30-0A.0**	1194	96.3	0,81	142	6398	2,20	31.8	2200	320	5135	96.0	0,80	100	4037	93.5	0,75	45	3615	89.9	0,65

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SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	850	**1NA1 454-6AR30-0C.0**	1194	96.5	0,84	146	6798	2,30	41.0	2200	340	5460	96.1	0,82	105	4292	93.5	0,78	45	3843	90.1	0,69
	900	**1NA1 456-6AR30-0A.0**	1194	96.5	0,81	160	7198	2,40	36.9	2200	360	5775	96.2	0,80	115	4539	93.7	0,75	50	4065	90.3	0,65
	950	**1NA1 456-6AR30-0C.0**	1194	96.6	0,84	162	7598	2,50	47.3	2200	380	6098	96.2	0,82	120	4793	93.7	0,78	55	4292	90.5	0,68
	1000	**1NA1 458-6AR30-0A.0**	1195	96.5	0,81	178	7991	2,80	43.6	2200	400	6413	96.3	0,78	125	5041	93.9	0,72	55	4514	90.2	0,59
	1000	**1NA1 458-6AR30-0C.0**	1195	96.6	0,83	174	7991	3,00	55.8	2200	400	6409	96.3	0,80	125	5038	93.9	0,73	55	4511	90.4	0,61
	1150	**1NA1 502-6AR30-0A.0**	1193	96.5	0,83	200	9205	2,20	52.8	2100	460	7391	96.2	0,83	145	5810	93.9	0,82	65	5202	90.8	0,75
	1200	**1NA1 502-6AR30-0C.0**	1195	96.6	0,86	200	9589	2,10	67.6	2100	480	7703	96.5	0,86	150	6055	94.5	0,84	65	5422	91.8	0,77
	1250	**1NA1 504-6AR30-0A.0**	1194	96.6	0,85	210	9997	2,40	59.7	2100	500	8028	96.4	0,84	155	6311	94.0	0,82	70	5651	90.9	0,74
	1320	**1NA1 504-6AR30-0C.0**	1195	96.8	0,87	220	10548	2,20	76.2	2100	530	8469	96.6	0,87	165	6657	94.6	0,84	75	5961	92.0	0,77
	1310	**1NA1 506-6AR30-0A.0**	1195	96.7	0,85	220	10468	2,80	67.4	2100	525	8404	96.5	0,84	165	6606	94.1	0,80	75	5916	90.8	0,71
	1400	**1NA1 506-6AR30-0C.0**	1196	96.8	0,87	230	11178	2,50	85.6	2100	560	8972	96.7	0,86	175	7053	94.6	0,83	80	6315	91.9	0,74
	1450	**1NA1 508-6AR30-0A.0**	1195	96.8	0,86	240	11587	2,90	76.4	2100	580	9301	96.5	0,85	180	7311	94.1	0,81	80	6547	91.0	0,71
	1520	**1NA1 508-6AR30-0C.0**	1196	96.9	0,87	250	12136	2,60	96.8	2100	610	9739	96.8	0,86	190	7655	94.7	0,83	85	6855	92.0	0,74
	2000	**1NA1 564-6AR30-0C.0**	1195	97.2	0,88	325	15982	2,40	136.8	2000	800	12828	97.2	0,88	250	10084	95.3	0,86	110	9029	93.1	0,80
	2230	**1NA1 566-6AR30-0C.0**	1195	97.3	0,88	360	17820	2,40	151.9	2000	890	14302	97.3	0,88	280	11243	95.3	0,86	125	10067	93.2	0,80
	2330	**1NA1 568-6AR30-0C.0**	1196	97.3	0,87	380	18604	2,90	167.0	2000	935	14927	97.3	0,87	290	11734	95.1	0,83	130	10507	92.8	0,75
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	720	**1NA1 454-8AR30-0A.0**	893	96.0	0,78	134	7699	1,90	32.0	2200	290	6179	95.4	0,78	90	4857	92.3	0,75	40	4349	87.9	0,66
	750	**1NA1 454-8AR30-0C.0**	893	96.0	0,81	134	8020	2,00	41.1	2200	300	6438	95.4	0,80	95	5060	92.3	0,76	40	4531	87.9	0,68
	770	**1NA1 456-8AR30-0A.0**	894	96.1	0,79	140	8225	2,20	37.1	2200	310	6601	95.6	0,78	95	5189	92.4	0,73	45	4647	87.9	0,64
	770	**1NA1 456-8AR30-0C.0**	895	96.1	0,80	140	8216	2,20	47.5	2200	310	6598	95.6	0,79	95	5186	92.4	0,74	45	4644	88.0	0,64
	800	**1NA1 458-8AR30-0A.0**	895	96.2	0,77	150	8536	2,70	43.9	2200	320	6849	95.8	0,75	100	5384	92.5	0,68	45	4821	87.7	0,56
	800	**1NA1 458-8AR30-0C.0**	896	96.1	0,78	148	8526	2,80	55.9	2200	320	6843	95.8	0,75	100	5379	92.4	0,68	45	4816	87.7	0,56
	850	**1NA1 504-8AR30-0C.0**	896	95.8	0,84	146	9059	2,50	75.7	2100	340	7273	95.4	0,82	105	5717	92.9	0,77	45	5119	89.1	0,68
	850	**1NA1 504-8AR30-0A.0**	896	95.9	0,80	154	9059	2,50	58.9	2100	340	7277	95.5	0,78	105	5720	92.9	0,72	45	5122	88.7	0,61
	910	**1NA1 506-8AR30-0A.0**	895	96.0	0,81	162	9709	2,30	66.4	2100	365	7789	95.6	0,80	115	6122	93.0	0,75	50	5482	89.2	0,66
	910	**1NA1 506-8AR30-0C.0**	896	95.8	0,84	156	9699	2,70	85.2	2100	365	7783	95.5	0,82	115	6118	93.0	0,76	50	5478	89.3	0,67
	940	**1NA1 508-8AR30-0A.0**	895	96.1	0,82	166	10029	2,30	75.3	2100	375	8045	95.8	0,80	115	6324	93.5	0,75	50	5663	90.1	0,67
	940	**1NA1 508-8AR30-0C.0**	896	96.0	0,84	162	10018	2,80	96.4	2100	375	8039	95.7	0,82	120	6319	93.4	0,77	50	5658	90.1	0,68
	1250	**1NA1 564-8AR30-0C.0**	896	96.7	0,85	210	13322	2,40	136.4	2000	500	10697	96.6	0,84	155	8408	94.4	0,80	70	7529	91.7	0,72
	1450	**1NA1 566-8AR30-0C.0**	896	96.8	0,84	245	15454	2,50	151.8	2000	580	12402	96.7	0,83	180	9749	94.4	0,79	80	8730	91.5	0,70
	1520	**1NA1 568-8AR30-0C.0**	896	96.8	0,84	260	16200	2,90	167.1	2000	610	12990	96.8	0,82	190	10211	94.4	0,76	85	9143	91.5	0,66

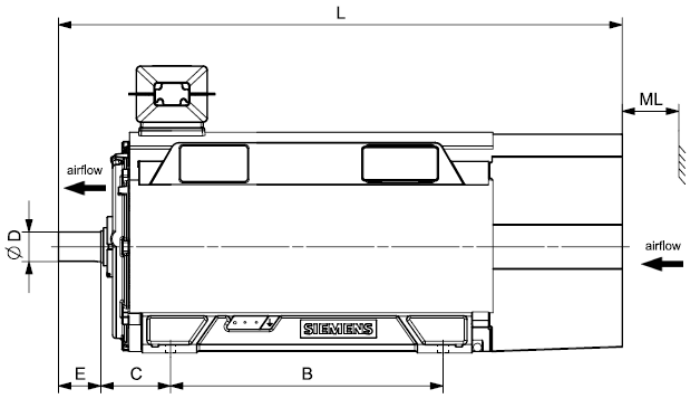


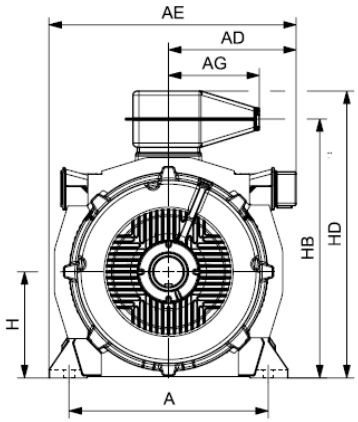


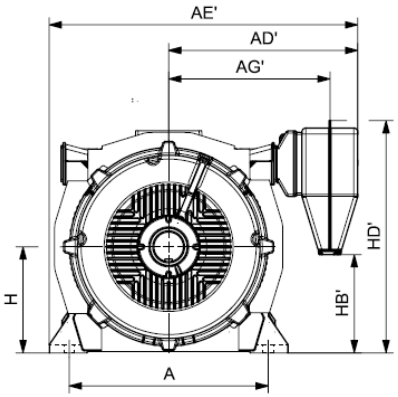


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2AR30-0AC0	4600	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 454-2AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 456-2AR30-0AC0	4800	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 456-2AR30-0C.0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 458-2AR30-0AC0	5100	850	564	848	1079	1363	489	717	1250	450	95	130	450	1115	318	1246	1010	2482	180
1NA1 458-2AR30-0C.0	5300	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2286	180
1NA1 504-2AR30-0CC0	6200	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 506-2AR30-0CC0	6700	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 508-2AR30-0CC0	6900	950	610	894	1175	1459	489	763	1320	475	110	165	500	1221	403	1352	1095	2662	200
1NA1 566-2AR30-0CC0	8600	1060	670	954	1305	1589	489	823	1400	560	120	165	560	1348	509	1479	1201	2922	225
1NA1 568-2AR30-0CC0	9100	1060	670	954	1305	1589	489	823	1400	560	120	165	560	1348	509	1479	1201	2922	225
4-pole																			
1NA1 454-4AR30-0A.0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-4AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR30-0A.0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-4AR30-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR30-0A.0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-4AR30-0C.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-4AR30-0A.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-4AR30-0C.0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR30-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-4AR30-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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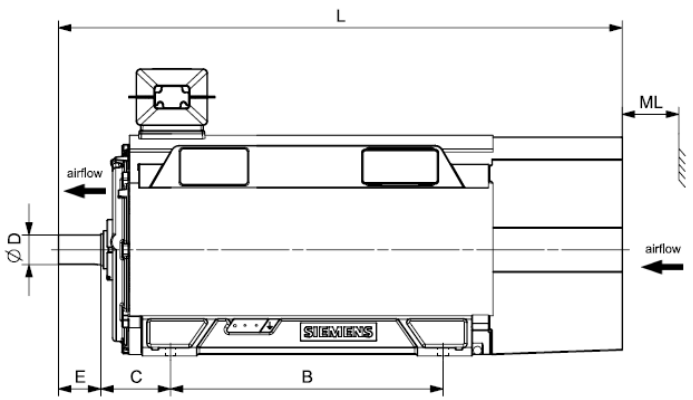


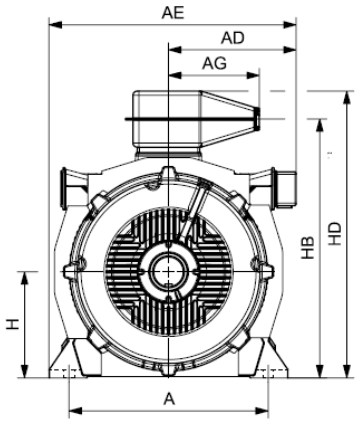


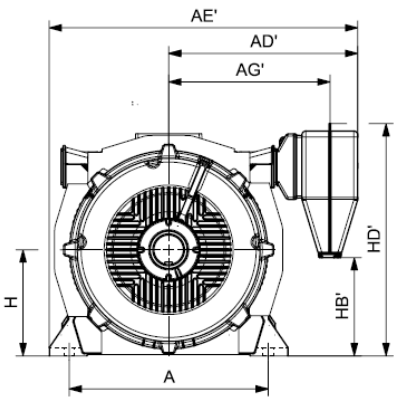


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4AR30-0A.0	7100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-4AR30-0C.0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 562-4AR30-0C.0	8300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 562-4AR30-0A.0	8000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR30-0A.0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 564-4AR30-0C.0	8700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR30-0A.0	8900	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-4AR30-0C.0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR30-0A.0	9400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-4AR30-0C.0	9800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
6-pole																			
1NA1 454-6AR30-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-6AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR30-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-6AR30-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR30-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-6AR30-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 502-6AR30-0A.0	6000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 502-6AR30-0C.0	6200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AR30-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-6AR30-0C.0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR30-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-6AR30-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200

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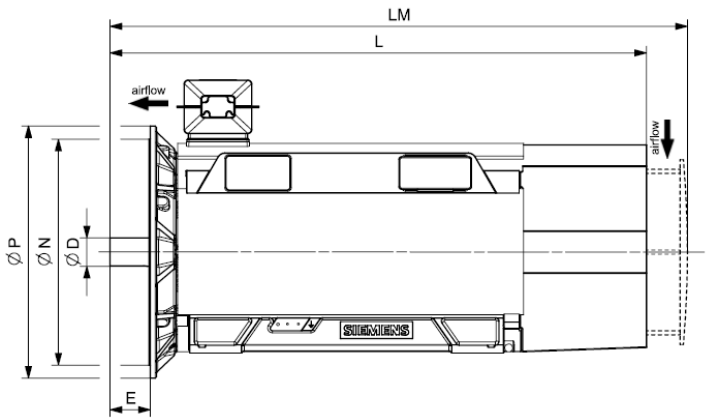


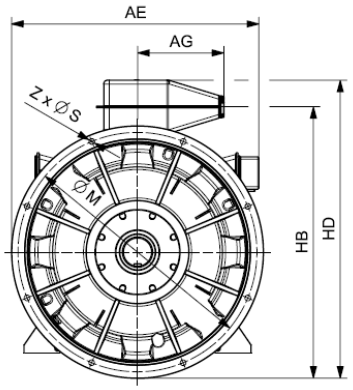




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-6AR30-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-6AR30-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-6AR30-0C.0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-6AR30-0C.0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-6AR30-0C.0	10300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
8-pole																			
1NA1 454-8AR30-0A.0	4600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 454-8AR30-0C.0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR30-0A.0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 456-8AR30-0C.0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR30-0A.0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 458-8AR30-0C.0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2457	180
1NA1 504-8AR30-0C.0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 504-8AR30-0A.0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR30-0A.0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 506-8AR30-0C.0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR30-0A.0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 508-8AR30-0C.0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	2672	200
1NA1 564-8AR30-0C.0	9000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 566-8AR30-0C.0	9600	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225
1NA1 568-8AR30-0C.0	10200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	2847	225

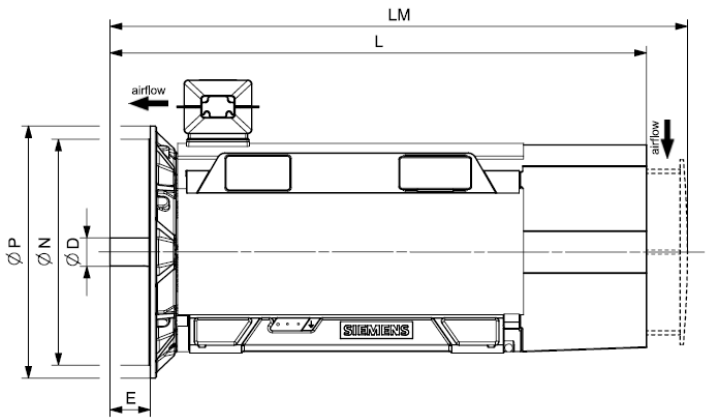
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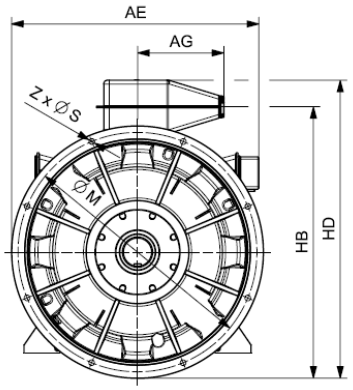




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4AR34-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-4AR34-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR34-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-4AR34-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR34-0AA0	5500	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-4AR34-0CA0	5700	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 504-4AR34-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-4AR34-0CA0	6600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR34-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-4AR34-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR34-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-4AR34-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 562-4AR34-0CA0	8500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 562-4AR34-0AA0	8200	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR34-0AA0	8600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 564-4AR34-0CA0	8900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR34-0AA0	9100	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-4AR34-0CA0	9400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR34-0AA0	9600	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-4AR34-0CA0	10000	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
6-pole													
1NA1 454-6AR34-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

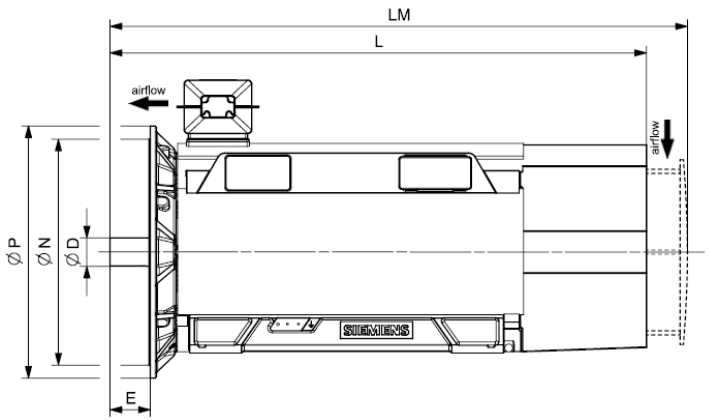
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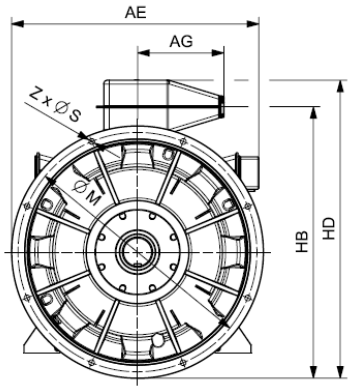




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6AR34-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR34-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-6AR34-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR34-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-6AR34-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 502-6AR34-0AA0	6200	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 502-6AR34-0CA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR34-0AA0	6500	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-6AR34-0CA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR34-0AA0	6900	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-6AR34-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR34-0AA0	7300	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-6AR34-0CA0	7600	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-6AR34-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-6AR34-0CA0	9900	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-6AR34-0CA0	10500	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
8-pole													
1NA1 454-8AR34-0AA0	4800	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 454-8AR34-0CA0	5000	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR34-0AA0	5200	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 456-8AR34-0CA0	5400	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR34-0AA0	5600	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8
1NA1 458-8AR34-0CA0	5900	1139	489	120	1240	1371	2457	2657	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8AR34-0CA0	6700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 504-8AR34-0AA0	6400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR34-0AA0	6800	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 506-8AR34-0CA0	7100	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR34-0AA0	7400	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 508-8AR34-0CA0	7700	1235	489	140	1346	1477	2672	2872	1180	1120	1250	26	16
1NA1 564-8AR34-0CA0	9300	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 566-8AR34-0CA0	9800	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16
1NA1 568-8AR34-0CA0	10400	1370	489	160	1488	1619	2847	3087	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
780	690	**1NA1 402-2BC00-0AA0**	2979	96.6	0,93	730	2500	3,30	10.0	3600	365	2368	95.6	0,92	130	2125	92.5	0,91	60	2014	87.4	0,91
770	680	**1NA1 402-2BC00-0CA0**	2980	96.5	0,93	720	2467	3,30	12.3	3600	360	2336	95.5	0,92	130	2097	92.4	0,90	60	1987	87.5	0,91
800	710	**1NA1 404-2BC00-0AA0**	2979	96.6	0,94	740	2564	3,60	11.0	3600	375	2428	95.6	0,93	135	2179	92.5	0,92	60	2065	87.5	0,92
800	710	**1NA1 404-2BC00-0CA0**	2980	96.5	0,94	740	2564	3,50	13.5	3600	375	2427	95.5	0,93	135	2178	92.4	0,92	60	2065	87.5	0,92
930	820	**1NA1 406-2BC00-0AA0**	2980	96.8	0,94	860	2980	3,60	12.2	3600	440	2822	95.9	0,93	155	2533	93.1	0,92	70	2400	88.6	0,92
920	810	**1NA1 406-2BC00-0CA0**	2981	96.8	0,94	850	2947	3,50	14.9	3600	435	2790	95.9	0,93	155	2504	93.1	0,91	70	2373	88.8	0,91
1000	880	**1NA1 408-2BC00-0AA0**	2981	96.8	0,95	910	3203	4,20	13.0	3600	470	3036	95.9	0,94	165	2724	93.1	0,92	75	2582	88.7	0,92
970	860	**1NA1 408-2BC00-0CA0**	2983	96.8	0,95	880	3105	4,20	15.9	3600	460	2943	95.8	0,93	160	2641	93.2	0,92	75	2503	89.0	0,92
1070	940	**1NA1 454-2BC00-0AA0**	2982	97.0	0,94	980	3426	2,60	14.1	3600	505	3244	96.0	0,93	180	2911	93.0	0,92	85	2759	88.2	0,92
1060	930	**1NA1 454-2BC00-0CA0**	2983	96.9	0,94	970	3393	2,60	19.1	3600	500	3214	95.9	0,93	175	2884	93.0	0,92	80	2734	88.3	0,93
1260	1110	**1NA1 456-2BC00-0AA0**	2984	97.3	0,94	1160	4032	3,00	15.6	3600	595	3817	96.4	0,93	210	3426	93.8	0,92	100	3247	89.6	0,92
1260	1110	**1NA1 456-2BC00-0CA0**	2984	97.2	0,94	1160	4032	2,90	21.0	3600	595	3817	96.3	0,94	210	3426	93.8	0,92	100	3247	89.7	0,93
1300	1150	**1NA1 458-2BC00-0AA0**	2984	97.3	0,95	1180	4160	3,00	16.8	3600	615	3938	96.4	0,94	215	3534	93.7	0,93	100	3349	89.5	0,93
1300	1150	**1NA1 458-2BC00-0CA0**	2985	97.2	0,95	1180	4159	2,90	22.6	3600	615	3938	96.3	0,94	220	3534	93.8	0,93	100	3349	89.7	0,93
1550	1370	**1NA1 504-2BC00-0CA0**	2987	97.1	0,91	1460	4955	3,10	30.1	3000	730	4692	96.2	0,90	260	4211	94.1	0,89	120	3991	90.7	0,90
1620	1430	**1NA1 506-2BC00-0CA0**	2987	97.1	0,92	1520	5179	3,20	33.7	3000	765	4904	96.1	0,91	270	4401	94.0	0,90	125	4171	90.6	0,91
1900	1670	**1NA1 508-2BC00-0CA0**	2989	97.3	0,91	1800	6070	3,70	36.7	3000	895	5746	96.4	0,91	320	5157	94.6	0,90	150	4888	91.9	0,90
2100	1850	**1NA1 566-2BC00-0CA0**	2989	97.2	0,92	1960	6709	2,80	55.3	3000	990	6353	96.4	0,92	355	5701	94.4	0,91	165	5404	91.2	0,92
2250	1980	**1NA1 568-2BC00-0CA0**	2992	97.3	0,92	2100	7181	3,60	60.0	3000	1065	6798	96.5	0,91	380	6101	94.7	0,91	180	5783	92.0	0,91
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
870	770	**1NA1 404-4BC00-0AA0**	1490	96.5	0,89	850	5576	3,20	15.6	2600	410	5279	94.9	0,88	145	4737	91.8	0,88	65	4490	86.9	0,88
860	760	**1NA1 404-4BC00-0CA0**	1489	96.5	0,89	840	5515	2,80	19.8	2600	405	5224	95.0	0,88	145	4688	91.7	0,88	65	4443	86.5	0,88
950	840	**1NA1 406-4BC00-0AA0**	1491	96.6	0,90	910	6084	3,40	17.4	2600	450	5761	95.0	0,89	160	5170	92.1	0,88	75	4900	87.6	0,88
950	840	**1NA1 406-4BC00-0CA0**	1490	96.6	0,89	920	6088	3,00	22.0	2600	445	5767	95.2	0,89	160	5175	92.1	0,88	75	4905	87.3	0,88
1050	930	**1NA1 408-4BC00-0AA0**	1491	96.7	0,90	1000	6725	3,60	19.7	2600	495	6365	95.1	0,89	175	5712	92.4	0,88	80	5414	88.3	0,88
1050	930	**1NA1 408-4BC00-0CA0**	1490	96.7	0,90	1000	6729	3,20	24.9	2600	495	6370	95.4	0,89	175	5716	92.6	0,88	80	5418	88.1	0,88
1200	1060	**1NA1 454-4BC00-0AA0**	1490	96.8	0,90	1160	7691	2,80	26.4	2400	565	7283	95.5	0,89	200	6536	92.5	0,88	90	6195	87.9	0,88
1200	1060	**1NA1 454-4BC00-0CA0**	1490	96.8	0,89	1160	7691	2,50	33.9	2400	565	7284	95.6	0,88	200	6537	92.6	0,87	95	6196	87.8	0,88
1300	1150	**1NA1 456-4BC00-0CA0**	1491	97.0	0,90	1240	8326	2,70	39.0	2400	615	7885	95.8	0,89	215	7076	93.0	0,88	100	6707	88.7	0,88
1300	1150	**1NA1 456-4BC00-0AA0**	1491	97.0	0,91	1240	8326	3,00	30.4	2400	615	7885	95.7	0,90	215	7076	93.0	0,88	100	6707	88.7	0,88
1450	1280	**1NA1 458-4BC00-0AA0**	1491	97.1	0,90	1380	9287	3,10	33.5	2400	685	8792	95.9	0,89	240	7891	93.3	0,88	110	7479	89.3	0,88
1450	1280	**1NA1 458-4BC00-0CA0**	1492	97.1	0,89	1400	9280	2,70	42.8	2400	685	8789	96.0	0,88	240	7888	93.5	0,87	110	7476	89.5	0,87
1410	1240	**1NA1 504-4BC00-0CA0**	1491	96.7	0,86	1420	9031	2,30	42.4	2200	665	8551	95.6	0,86	235	7674	92.9	0,85	110	7273	88.6	0,86
1410	1240	**1NA1 504-4BC00-0AA0**	1491	96.7	0,88	1380	9031	2,90	32.5	2200	665	8554	95.4	0,87	235	7677	92.6	0,86	110	7276	88.3	0,86

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SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1500	1320	**1NA1 506-4BC00-0AA0**	1491	96.7	0,89	1460	9607	3,10	37.1	2200	705	9096	95.4	0,89	250	8163	92.6	0,88	115	7737	88.3	0,88
1500	1320	**1NA1 506-4BC00-0CA0**	1492	96.8	0,88	1480	9600	2,40	48.0	2200	705	9095	95.6	0,88	250	8162	92.9	0,87	115	7736	88.6	0,87
1700	1500	**1NA1 508-4BC00-0AA0**	1493	97.0	0,89	1640	10873	3,60	42.4	2200	800	10298	95.6	0,88	285	9242	93.3	0,86	135	8759	89.8	0,86
1700	1500	**1NA1 508-4BC00-0CA0**	1493	97.0	0,88	1660	10873	2,80	54.6	2200	800	10295	95.9	0,87	285	9239	93.7	0,86	135	8757	90.2	0,86
1960	1730	**1NA1 564-4BC00-0AA0**	1493	97.2	0,89	1900	12536	2,60	59.9	2000	925	11873	96.0	0,88	330	10656	93.5	0,87	155	10100	89.7	0,88
1950	1720	**1NA1 564-4BC00-0CA0**	1492	97.2	0,88	1900	12481	2,30	79.4	2000	920	11816	96.1	0,87	325	10604	93.6	0,87	150	10050	89.7	0,87
2000	1760	**1NA1 566-4BC00-0AA0**	1492	97.2	0,90	1920	12801	2,70	66.7	2000	945	12116	96.0	0,89	335	10873	93.5	0,88	155	10306	89.7	0,89
2000	1760	**1NA1 566-4BC00-0CA0**	1492	97.3	0,89	1940	12801	2,30	88.0	2000	945	12117	96.1	0,89	335	10874	93.5	0,88	155	10306	89.6	0,88
2150	1900	**1NA1 568-4BC00-0AA0**	1494	97.3	0,90	2050	13742	3,20	73.4	2000	1015	13019	96.1	0,89	360	11684	93.8	0,88	170	11074	90.2	0,88
2150	1890	**1NA1 568-4BC00-0CA0**	1494	97.4	0,90	2050	13742	2,70	96.7	2000	1015	13015	96.2	0,89	360	11680	93.9	0,88	170	11070	90.3	0,88
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
710	630	**1NA1 404-6BC00-0AA0**	994	96.1	0,88	700	6821	3,00	25.8	2400	335	6460	94.1	0,87	120	5797	90.4	0,86	55	5495	84.9	0,87
720	640	**1NA1 404-6BC00-0CA0**	993	96.2	0,87	720	6924	2,60	33.2	2400	340	6561	94.4	0,87	120	5888	90.5	0,86	55	5581	84.5	0,87
730	640	**1NA1 406-6BC00-0AA0**	995	96.3	0,88	720	7006	3,40	29.6	2400	345	6635	94.3	0,87	120	5954	90.9	0,86	55	5643	86.1	0,86
760	670	**1NA1 406-6BC00-0CA0**	994	96.3	0,88	750	7301	2,80	38.0	2400	360	6918	94.7	0,87	125	6208	91.2	0,86	60	5884	85.8	0,87
800	710	**1NA1 408-6BC00-0AA0**	995	96.2	0,87	800	7678	4,00	33.5	2400	375	7270	94.2	0,85	135	6524	91.0	0,84	60	6184	86.5	0,84
810	710	**1NA1 408-6BC00-0CA0**	995	96.5	0,87	810	7774	3,30	41.9	2400	380	7362	94.9	0,86	135	6607	91.8	0,85	65	6262	87.1	0,85
970	860	**1NA1 454-6BC00-0AA0**	993	96.3	0,86	980	9328	2,70	39.5	2200	455	8836	94.5	0,85	160	7930	90.9	0,85	75	7516	85.4	0,86
1000	880	**1NA1 454-6BC00-0CA0**	992	96.3	0,85	1020	9626	2,30	49.1	2200	470	9118	94.6	0,85	165	8183	90.8	0,85	75	7756	84.7	0,86
1020	900	**1NA1 456-6BC00-0AA0**	995	96.5	0,85	1040	9789	3,40	45.8	2200	480	9273	94.7	0,83	170	8322	91.6	0,83	80	7888	86.9	0,83
1050	930	**1NA1 456-6BC00-0CA0**	994	96.6	0,86	1060	10087	2,90	56.8	2200	495	9554	95.0	0,84	175	8574	91.9	0,84	80	8127	87.0	0,84
1070	940	**1NA1 458-6BC00-0AA0**	995	96.6	0,86	1080	10269	3,70	54.3	2200	505	9722	95.0	0,84	180	8725	92.3	0,83	85	8270	88.2	0,83
1100	970	**1NA1 458-6BC00-0CA0**	995	96.8	0,86	1100	10557	3,10	67.0	2200	520	10001	95.3	0,85	185	8975	92.6	0,84	85	8507	88.4	0,84
1250	1100	**1NA1 502-6BC00-0AA0**	991	96.4	0,83	1300	12045	2,00	52.8	2100	590	11411	94.9	0,84	205	10240	91.1	0,84	95	9706	85.3	0,85
1300	1150	**1NA1 502-6BC00-0CA0**	993	96.7	0,86	1300	12502	1,80	67.5	2100	610	11837	95.4	0,86	215	10623	92.1	0,87	100	10069	87.0	0,88
1350	1190	**1NA1 504-6BC00-0CA0**	993	96.7	0,87	1340	12982	1,80	76.1	2100	635	12300	95.4	0,87	225	11039	92.0	0,88	105	10463	86.9	0,89
1300	1150	**1NA1 504-6BC00-0AA0**	991	96.5	0,85	1320	12527	2,00	59.7	2100	610	11864	94.9	0,86	215	10647	91.1	0,86	100	10091	85.4	0,87
1510	1330	**1NA1 506-6BC00-0CA0**	994	96.9	0,87	1500	14506	2,00	85.6	2100	710	13742	95.5	0,87	250	12333	92.6	0,88	115	11689	88.0	0,88
1450	1280	**1NA1 506-6BC00-0AA0**	992	96.6	0,86	1460	13958	2,20	67.3	2100	685	13217	95.0	0,86	240	11862	91.7	0,86	110	11243	86.6	0,87
1610	1420	**1NA1 508-6BC00-0AA0**	993	96.8	0,86	1620	15483	2,60	76.4	2100	760	14660	95.2	0,86	270	13157	92.2	0,86	125	12470	87.7	0,86
1700	1500	**1NA1 508-6BC00-0CA0**	995	97.0	0,87	1680	16315	2,30	96.7	2100	800	15453	95.7	0,87	285	13869	93.0	0,87	130	13145	88.9	0,87
2100	1850	**1NA1 564-6BC00-0CA0**	994	97.2	0,88	2050	20175	2,20	136.7	2000	990	19111	95.9	0,88	350	17151	93.0	0,89	160	16256	88.6	0,89
2270	2000	**1NA1 566-6BC00-0CA0**	995	97.4	0,87	2250	21786	2,70	151.9	2000	1070	20621	96.1	0,87	380	18506	93.9	0,87	175	17540	90.4	0,87
2350	2070	**1NA1 568-6BC00-0CA0**	995	97.4	0,88	2300	22554	2,60	167.0	2000	1110	21356	96.1	0,88	395	19166	93.7	0,89	185	18166	90.1	0,89
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						

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SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
560	490	**1NA1 404-8BC00-0AA0**	743	95.6	0,84	580	7197	2,60	26.7	2400	265	6822	92.8	0,83	90	6122	87.4	0,82	40	5803	79.5	0,83
550	490	**1NA1 404-8BC00-0CA0**	741	95.5	0,82	590	7088	2,20	32.8	2400	260	6709	92.8	0,81	90	6021	87.0	0,80	40	5707	78.5	0,82
600	530	**1NA1 406-8BC00-0AA0**	745	95.8	0,81	650	7691	3,40	30.6	2400	280	7288	92.9	0,79	100	6540	88.2	0,77	45	6199	81.6	0,78
600	530	**1NA1 406-8BC00-0CA0**	744	95.9	0,81	650	7701	2,80	37.6	2400	280	7300	93.3	0,79	100	6551	88.5	0,78	45	6209	81.5	0,79
620	550	**1NA1 408-8BC00-0AA0**	744	95.9	0,84	640	7958	3,20	33.8	2400	290	7535	93.1	0,82	105	6762	88.5	0,80	45	6409	81.9	0,81
610	540	**1NA1 408-8BC00-0CA0**	743	95.9	0,83	640	7840	2,70	41.5	2400	285	7424	93.4	0,81	100	6663	88.6	0,80	45	6315	81.7	0,81
800	710	**1NA1 454-8BC00-0AA0**	742	95.7	0,80	870	10296	2,10	40.0	2200	375	9749	93.1	0,80	130	8749	87.8	0,81	60	8292	79.9	0,82
760	670	**1NA1 454-8BC00-0CA0**	741	95.6	0,80	830	9794	2,30	48.8	2200	355	9275	93.1	0,80	125	8324	87.5	0,81	55	7889	79.3	0,82
850	750	**1NA1 456-8BC00-0AA0**	743	95.9	0,81	920	10924	2,40	46.4	2200	400	10346	93.4	0,80	140	9285	88.5	0,81	65	8800	81.4	0,82
850	750	**1NA1 456-8BC00-0CA0**	742	95.8	0,81	920	10939	2,50	56.4	2200	400	10363	93.4	0,80	140	9300	88.3	0,81	65	8815	80.6	0,82
910	800	**1NA1 458-8BC00-0AA0**	745	96.2	0,79	1000	11664	3,00	54.9	2200	430	11049	93.9	0,77	150	9916	90.0	0,77	70	9398	84.4	0,77
920	810	**1NA1 458-8BC00-0CA0**	744	96.2	0,80	1000	11808	3,00	66.6	2200	435	11187	94.1	0,78	155	10040	90.1	0,78	70	9516	84.0	0,79
1000	880	**1NA1 504-8BC00-0AA0**	743	95.9	0,80	1100	12852	1,70	58.9	2100	470	12179	94.2	0,80	165	10930	90.1	0,80	75	10360	83.6	0,81
1050	930	**1NA1 504-8BC00-0CA0**	743	95.9	0,85	1080	13495	1,90	75.7	2100	495	12782	94.3	0,84	175	11471	90.5	0,84	80	10872	84.4	0,84
1100	970	**1NA1 506-8BC00-0AA0**	743	96.0	0,81	1180	14138	1,90	66.4	2100	515	13383	94.3	0,81	180	12010	90.5	0,80	85	11383	84.6	0,81
1120	990	**1NA1 506-8BC00-0CA0**	744	96.0	0,85	1140	14375	2,10	85.2	2100	525	13613	94.4	0,84	185	12217	90.9	0,83	85	11579	85.5	0,84
1150	1010	**1NA1 508-8BC00-0AA0**	744	96.1	0,82	1220	14760	2,00	75.3	2100	540	13983	94.4	0,81	190	12549	90.8	0,81	90	11894	85.2	0,81
1160	1020	**1NA1 508-8BC00-0CA0**	745	96.1	0,85	1180	14869	2,30	96.4	2100	545	14090	94.5	0,84	195	12645	91.1	0,83	90	11985	86.0	0,84
1620	1430	**1NA1 564-8BC00-0CA0**	744	96.6	0,85	1660	20793	1,80	136.4	2000	765	19714	95.1	0,85	270	17692	91.4	0,86	125	16768	85.8	0,87
1710	1510	**1NA1 566-8BC00-0CA0**	744	96.7	0,85	1740	21948	1,80	151.7	2000	805	20811	95.2	0,86	285	18677	91.6	0,86	130	17702	86.2	0,87
1870	1650	**1NA1 568-8BC00-0CA0**	744	96.9	0,85	1900	24002	2,00	167.0	2000	880	22731	95.3	0,85	310	20399	92.1	0,86	145	19335	87.3	0,86

Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2BC00-0AA0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 402-2BC00-0CA0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 404-2BC00-0AA0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 404-2BC00-0CA0	3700	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 406-2BC00-0AA0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 406-2BC00-0CA0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 408-2BC00-0AA0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 408-2BC00-0CA0	4000	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 454-2BC00-0AA0	4700	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 454-2BC00-0CA0	4800	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 456-2BC00-0AA0	4900	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 456-2BC00-0CA0	5100	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 458-2BC00-0AA0	5100	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 458-2BC00-0CA0	5300	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 504-2BC00-0CA0	6400	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	3096	200
1NA1 506-2BC00-0CA0	6700	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	3096	200
1NA1 508-2BC00-0CA0	7100	950	610	1029	1175	1594	371	885	1320	280	110	165	500	1343	522	1508	1194	3096	200
1NA1 566-2BC00-0CA0	8900	1060	670	1089	1305	1724	371	945	1400	290	120	165	560	1470	627	1635	1300	3302	225
1NA1 568-2BC00-0CA0	9300	1060	670	1089	1305	1724	371	945	1400	290	120	165	560	1470	627	1635	1300	3302	225
4-pole																			
1NA1 404-4BC00-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 404-4BC00-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-4BC00-0AA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-4BC00-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-4BC00-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-4BC00-0CA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 454-4BC00-0AA0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 454-4BC00-0CA0	4900	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-4BC00-0CA0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-4BC00-0AA0	5100	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-4BC00-0AA0	5400	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-4BC00-0CA0	5600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 504-4BC00-0CA0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-4BC00-0AA0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-4BC00-0AA0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-4BC00-0CA0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4BC00-0AA0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-4BC00-0CA0	7600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 564-4BC00-0AA0	8500	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 564-4BC00-0CA0	8800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-4BC00-0AA0	9000	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-4BC00-0CA0	9300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-4BC00-0AA0	9400	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-4BC00-0CA0	9800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
6-pole																			
1NA1 404-6BC00-0AA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 404-6BC00-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-6BC00-0AA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-6BC00-0CA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-6BC00-0AA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-6BC00-0CA0	4400	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 454-6BC00-0AA0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 454-6BC00-0CA0	4900	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-6BC00-0AA0	5100	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-6BC00-0CA0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-6BC00-0AA0	5600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-6BC00-0CA0	5800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 502-6BC00-0AA0	6200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 502-6BC00-0CA0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-6BC00-0CA0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-6BC00-0AA0	6500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-6BC00-0CA0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-6BC00-0AA0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-6BC00-0AA0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-6BC00-0CA0	7700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 564-6BC00-0CA0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-6BC00-0CA0	9800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-6BC00-0CA0	10400	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
8-pole																			
1NA1 404-8BC00-0AA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 404-8BC00-0CA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-8BC00-0AA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-8BC00-0CA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 408-8BC00-0AA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-8BC00-0CA0	4400	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 454-8BC00-0AA0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 454-8BC00-0CA0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-8BC00-0AA0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-8BC00-0CA0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-8BC00-0AA0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-8BC00-0CA0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 504-8BC00-0AA0	6500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-8BC00-0CA0	6700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-8BC00-0AA0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-8BC00-0CA0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-8BC00-0AA0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-8BC00-0CA0	7700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 564-8BC00-0CA0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-8BC00-0CA0	9800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-8BC00-0CA0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NA1 404-4BC04-0AA0	3700	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 404-4BC04-0CA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-4BC04-0AA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-4BC04-0CA0	4100	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-4BC04-0AA0	4200	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-4BC04-0CA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 454-4BC04-0AA0	4900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 454-4BC04-0CA0	5100	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-4BC04-0CA0	5500	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-4BC04-0AA0	5300	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-4BC04-0AA0	5600	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-4BC04-0CA0	5800	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 504-4BC04-0CA0	6800	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-4BC04-0AA0	6600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-4BC04-0AA0	7000	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-4BC04-0CA0	7200	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-4BC04-0AA0	7500	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-4BC04-0CA0	7800	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 564-4BC04-0AA0	8700	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 564-4BC04-0CA0	9000	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-4BC04-0AA0	9200	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-4BC04-0CA0	9500	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-4BC04-0AA0	9600	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-4BC04-0CA0	10000	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
6-pole													
1NA1 404-6BC04-0AA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 404-6BC04-0CA0	4000	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-6BC04-0AA0	4100	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-6BC04-0CA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-6BC04-0AA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-6BC04-0CA0	4500	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 454-6BC04-0AA0	4900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 454-6BC04-0CA0	5100	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-6BC04-0AA0	5200	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-6BC04-0CA0	5400	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-6BC04-0AA0	5700	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8

Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 458-6BC04-0CA0	5900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 502-6BC04-0AA0	6400	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 502-6BC04-0CA0	6600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-6BC04-0CA0	6900	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-6BC04-0AA0	6700	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-6BC04-0CA0	7400	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-6BC04-0AA0	7100	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-6BC04-0AA0	7600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-6BC04-0CA0	7900	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 564-6BC04-0CA0	9500	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-6BC04-0CA0	10100	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-6BC04-0CA0	10600	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
8-pole													
1NA1 404-8BC04-0AA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 404-8BC04-0CA0	4000	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-8BC04-0AA0	4100	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-8BC04-0CA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-8BC04-0AA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-8BC04-0CA0	4500	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 454-8BC04-0AA0	4900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 454-8BC04-0CA0	5000	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-8BC04-0AA0	5200	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-8BC04-0CA0	5400	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-8BC04-0AA0	5700	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-8BC04-0CA0	5900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 504-8BC04-0AA0	6700	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-8BC04-0CA0	6900	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-8BC04-0AA0	7100	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-8BC04-0CA0	7300	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-8BC04-0AA0	7600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-8BC04-0CA0	7900	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 564-8BC04-0CA0	9400	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-8BC04-0CA0	10000	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-8BC04-0CA0	10600	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
940	830	**1NA1 402-2BC10-0AA0**	3579	96.7	0,93	870	2508	3,20	10.0	3600	445	2374	95.9	0,92	155	2131	93.5	0,90	75	2020	89.3	0,90
930	820	**1NA1 402-2BC10-0CA0**	3580	96.6	0,93	870	2481	3,10	12.3	3600	440	2349	95.8	0,91	155	2108	93.4	0,90	70	1998	89.3	0,90
960	850	**1NA1 404-2BC10-0AA0**	3580	96.7	0,94	880	2561	3,70	11.0	3600	450	2424	95.9	0,93	160	2176	93.6	0,91	75	2062	89.6	0,92
950	840	**1NA1 404-2BC10-0CA0**	3581	96.6	0,94	880	2533	3,60	13.5	3600	450	2399	95.8	0,93	160	2153	93.5	0,91	75	2041	89.6	0,91
1010	890	**1NA1 406-2BC10-0AA0**	3580	96.7	0,95	920	2694	3,90	12.2	3600	475	2550	95.9	0,94	170	2289	93.6	0,92	80	2169	89.6	0,92
1000	880	**1NA1 406-2BC10-0CA0**	3582	96.7	0,94	920	2666	3,80	14.9	3600	470	2526	95.8	0,93	165	2267	93.5	0,92	80	2148	89.7	0,92
1170	1030	**1NA1 408-2BC10-0AA0**	3582	97.0	0,94	1080	3119	4,10	13.0	3600	550	2955	96.3	0,93	195	2652	94.3	0,91	90	2514	91.0	0,91
1150	1010	**1NA1 408-2BC10-0CA0**	3584	96.9	0,94	1060	3064	4,10	15.9	3600	545	2903	96.2	0,93	195	2606	94.3	0,91	90	2470	91.1	0,91
1260	1110	**1NA1 454-2BC10-0CA0**	3584	97.0	0,94	1160	3357	2,80	19.4	3600	595	3178	96.4	0,93	210	2852	94.3	0,92	100	2703	90.7	0,92
1300	1150	**1NA1 456-2BC10-0CA0**	3582	97.0	0,94	1200	3466	2,60	21.3	3600	615	3281	96.3	0,94	220	2944	93.9	0,93	100	2791	90.0	0,93
1550	1370	**1NA1 458-2BC10-0CA0**	3586	97.4	0,95	1400	4128	3,30	23.0	3600	730	3910	96.7	0,94	260	3509	95.0	0,92	120	3326	92.1	0,92
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
1000	880	**1NA1 404-4BC10-0AA0**	1790	96.6	0,90	960	5335	3,00	15.6	2600	470	5051	95.0	0,89	165	4533	92.4	0,88	80	4297	88.1	0,89
970	860	**1NA1 404-4BC10-0CA0**	1789	96.6	0,89	940	5178	2,70	19.8	2600	455	4904	95.2	0,88	160	4401	92.5	0,88	75	4171	88.0	0,88
1060	930	**1NA1 406-4BC10-0AA0**	1791	96.7	0,90	1020	5652	3,40	17.4	2600	500	5350	95.1	0,89	180	4802	92.8	0,88	85	4551	89.0	0,88
1060	930	**1NA1 406-4BC10-0CA0**	1790	96.7	0,89	1040	5655	3,00	22.0	2600	500	5354	95.4	0,88	175	4805	92.9	0,88	80	4554	88.9	0,88
1160	1020	**1NA1 408-4BC10-0AA0**	1792	96.8	0,90	1120	6181	3,70	19.7	2600	545	5853	95.2	0,89	195	5253	93.1	0,88	90	4979	89.7	0,88
1160	1020	**1NA1 408-4BC10-0CA0**	1791	96.9	0,90	1120	6185	3,20	24.9	2600	545	5857	95.5	0,89	195	5256	93.3	0,88	90	4982	89.7	0,88
1370	1210	**1NA1 454-4BC10-0AA0**	1791	96.9	0,90	1320	7305	3,10	26.4	2400	645	6916	95.7	0,89	230	6206	93.3	0,87	105	5882	89.6	0,88
1350	1190	**1NA1 454-4BC10-0CA0**	1791	96.9	0,89	1300	7198	2,80	33.9	2400	635	6814	95.8	0,88	225	6116	93.4	0,87	105	5796	89.7	0,87
1450	1280	**1NA1 456-4BC10-0CA0**	1792	97.1	0,90	1380	7727	2,90	39.0	2400	685	7316	96.0	0,89	245	6566	93.9	0,87	115	6223	90.6	0,87
1510	1330	**1NA1 456-4BC10-0AA0**	1791	97.1	0,91	1420	8051	3,20	30.4	2400	710	7622	95.9	0,90	255	6840	93.7	0,88	120	6483	90.3	0,88
1650	1450	**1NA1 458-4BC10-0CA0**	1792	97.2	0,89	1600	8793	2,90	42.8	2400	780	8325	96.2	0,88	275	7471	94.2	0,87	130	7081	91.1	0,87
1670	1470	**1NA1 458-4BC10-0AA0**	1792	97.2	0,90	1600	8899	3,20	33.5	2400	790	8427	96.1	0,89	280	7563	94.1	0,88	130	7168	91.0	0,88
1550	1370	**1NA1 504-4BC10-0AA0**	1790	96.6	0,89	1500	8269	2,70	32.5	2200	730	7832	95.3	0,89	260	7029	92.8	0,88	120	6662	88.8	0,88
1550	1370	**1NA1 504-4BC10-0CA0**	1791	96.6	0,87	1540	8264	2,20	42.4	2200	730	7826	95.5	0,87	260	7023	93.0	0,87	120	6657	89.0	0,87
1800	1590	**1NA1 506-4BC10-0AA0**	1792	96.8	0,89	1740	9592	3,10	37.1	2200	850	9086	95.6	0,88	300	8154	93.4	0,87	140	7728	90.1	0,87
1800	1590	**1NA1 506-4BC10-0CA0**	1792	96.9	0,87	1780	9592	2,40	48.0	2200	850	9084	95.8	0,87	300	8152	93.7	0,86	140	7727	90.4	0,86
1820	1600	**1NA1 508-4BC10-0AA0**	1792	96.8	0,90	1740	9699	3,30	42.4	2200	860	9182	95.5	0,89	305	8240	93.5	0,88	140	7810	90.3	0,88
1820	1600	**1NA1 508-4BC10-0CA0**	1793	96.9	0,89	1760	9693	2,60	54.6	2200	860	9178	95.8	0,88	305	8237	93.8	0,87	145	7807	90.6	0,87
2160	1900	**1NA1 564-4BC10-0AA0**	1793	97.1	0,88	2100	11504	2,70	59.9	2000	1020	10898	96.0	0,88	365	9780	93.9	0,87	170	9270	90.6	0,87
2150	1900	**1NA1 564-4BC10-0CA0**	1793	97.1	0,88	2100	11451	2,30	79.4	2000	1015	10849	96.1	0,87	360	9736	94.0	0,86	170	9228	90.5	0,87
2210	1950	**1NA1 566-4BC10-0AA0**	1793	97.1	0,89	2150	11770	2,70	66.7	2000	1045	11143	96.1	0,89	370	10000	93.9	0,88	175	9478	90.5	0,88
2220	1960	**1NA1 566-4BC10-0CA0**	1792	97.2	0,89	2150	11830	2,30	88.0	2000	1050	11203	96.1	0,88	375	10054	93.9	0,88	175	9529	90.4	0,88

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SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2450	2160	**1NA1 568-4BC10-0AA0**	1795	97.2	0,90	2350	13034	3,60	73.4	2000	1155	12343	96.0	0,88	415	11077	94.1	0,87	195	10499	91.1	0,87
2450	2160	**1NA1 568-4BC10-0CA0**	1795	97.3	0,90	2350	13034	3,10	96.7	2000	1155	12343	96.1	0,88	415	11077	94.2	0,87	195	10499	91.2	0,87
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
850	750	**1NA1 404-6BC10-0AA0**	1194	96.3	0,88	840	6798	2,70	25.8	2400	400	6442	94.3	0,88	140	5781	91.0	0,87	65	5479	86.0	0,88
850	750	**1NA1 404-6BC10-0CA0**	1192	96.3	0,87	850	6809	2,30	33.2	2400	400	6448	94.7	0,87	140	5787	91.1	0,87	65	5485	85.7	0,88
900	790	**1NA1 406-6BC10-0AA0**	1194	96.4	0,89	880	7198	3,10	29.6	2400	425	6813	94.5	0,88	150	6115	91.6	0,87	70	5796	87.2	0,87
900	790	**1NA1 406-6BC10-0CA0**	1193	96.5	0,88	890	7204	2,70	38.0	2400	425	6820	95.0	0,87	150	6121	91.9	0,87	70	5801	87.3	0,87
930	820	**1NA1 408-6BC10-0AA0**	1195	96.4	0,87	930	7432	4,10	33.5	2400	440	7035	94.2	0,85	155	6313	91.6	0,83	75	5984	88.0	0,83
970	850	**1NA1 408-6BC10-0CA0**	1195	96.6	0,87	970	7751	3,30	41.9	2400	460	7340	95.1	0,85	165	6587	92.5	0,84	75	6243	88.7	0,84
1120	990	**1NA1 454-6BC10-0AA0**	1194	96.5	0,86	1120	8957	2,90	39.5	2200	530	8486	94.7	0,84	185	7615	91.8	0,84	85	7218	87.4	0,84
1170	1030	**1NA1 454-6BC10-0CA0**	1192	96.6	0,85	1200	9373	2,50	49.1	2200	550	8878	95.0	0,85	195	7968	91.9	0,85	90	7552	87.1	0,85
1200	1060	**1NA1 456-6BC10-0AA0**	1194	96.7	0,86	1200	9597	3,10	45.8	2200	565	9087	95.0	0,85	200	8155	92.5	0,84	95	7729	88.6	0,84
1250	1100	**1NA1 456-6BC10-0CA0**	1193	96.8	0,86	1260	10006	2,60	56.8	2200	590	9473	95.3	0,85	210	8501	92.7	0,85	95	8057	88.5	0,85
1270	1120	**1NA1 458-6BC10-0AA0**	1194	96.8	0,87	1260	10157	3,10	54.3	2200	600	9616	95.1	0,86	215	8629	92.7	0,86	100	8179	89.0	0,86
1300	1150	**1NA1 458-6BC10-0CA0**	1194	96.9	0,87	1300	10397	2,70	67.0	2200	615	9849	95.4	0,86	215	8839	92.9	0,86	100	8378	89.0	0,86
1460	1290	**1NA1 502-6BC10-0AA0**	1191	96.6	0,83	1520	11706	1,90	52.8	2100	685	11084	95.2	0,84	245	9947	91.9	0,84	110	9428	87.0	0,85
1450	1280	**1NA1 502-6BC10-0CA0**	1193	96.9	0,86	1460	11606	1,80	67.5	2100	685	10996	95.7	0,86	245	9868	93.0	0,87	115	9353	88.9	0,87
1610	1420	**1NA1 504-6BC10-0AA0**	1192	96.8	0,84	1660	12898	2,30	59.7	2100	760	12208	95.4	0,84	270	10956	92.6	0,85	125	10384	88.4	0,85
1690	1490	**1NA1 504-6BC10-0CA0**	1194	97.0	0,86	1700	13516	2,00	76.1	2100	795	12803	95.9	0,86	285	11490	93.4	0,87	130	10890	89.6	0,87
1700	1500	**1NA1 506-6BC10-0AA0**	1192	96.8	0,86	1700	13619	2,30	67.3	2100	800	12890	95.3	0,86	285	11568	92.5	0,86	130	10964	88.2	0,87
1760	1550	**1NA1 506-6BC10-0CA0**	1194	97.0	0,87	1740	14076	2,00	85.6	2100	830	13331	95.8	0,87	295	11964	93.3	0,88	135	11339	89.5	0,88
1950	1720	**1NA1 508-6BC10-0AA0**	1193	97.0	0,86	1960	15609	2,60	76.4	2100	920	14781	95.4	0,85	325	13266	93.1	0,86	150	12573	89.5	0,86
2050	1810	**1NA1 508-6BC10-0CA0**	1195	97.2	0,87	2050	16382	2,30	96.7	2100	965	15515	96.0	0,87	345	13924	93.9	0,87	160	13197	90.7	0,87
2400	2110	**1NA1 564-6BC10-0CA0**	1195	97.4	0,87	2350	19179	2,50	136.7	2000	1130	18162	96.0	0,88	405	16299	94.0	0,88	190	15448	90.8	0,88
2460	2170	**1NA1 566-6BC10-0CA0**	1195	97.4	0,88	2400	19658	2,40	151.9	2000	1160	18620	96.0	0,88	410	16710	93.9	0,89	190	15838	90.6	0,89
2610	2300	**1NA1 568-6BC10-0CA0**	1195	97.4	0,88	2550	20857	2,70	167.0	2000	1230	19741	96.0	0,88	440	17717	93.9	0,88	205	16792	90.8	0,88
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						
650	570	**1NA1 404-8BC10-0AA0**	892	95.9	0,84	680	6959	2,50	26.7	2400	305	6591	93.1	0,84	110	5915	88.4	0,83	50	5606	81.4	0,84
630	560	**1NA1 404-8BC10-0CA0**	891	95.8	0,82	670	6752	2,10	32.8	2400	295	6395	93.1	0,82	105	5739	88.1	0,81	45	5440	80.5	0,82
690	610	**1NA1 406-8BC10-0AA0**	894	96.0	0,85	710	7370	2,80	30.6	2400	325	6985	93.2	0,83	115	6268	88.9	0,82	55	5941	82.6	0,83
690	610	**1NA1 406-8BC10-0CA0**	892	96.0	0,83	720	7387	2,40	37.6	2400	325	6996	93.4	0,82	115	6279	88.8	0,81	50	5951	82.0	0,82
730	640	**1NA1 408-8BC10-0AA0**	894	96.2	0,85	750	7798	2,90	33.8	2400	345	7388	93.5	0,83	120	6630	89.5	0,82	55	6284	83.7	0,82
720	640	**1NA1 408-8BC10-0CA0**	893	96.2	0,83	750	7699	2,50	41.5	2400	340	7297	93.7	0,82	120	6549	89.5	0,81	55	6207	83.3	0,82
900	790	**1NA1 454-8BC10-0AA0**	892	95.9	0,80	980	9635	1,90	40.0	2200	425	9130	93.5	0,80	150	8194	88.8	0,81	70	7766	81.8	0,83
870	770	**1NA1 454-8BC10-0CA0**	890	95.9	0,81	940	9335	2,10	48.8	2200	410	8840	93.5	0,80	145	7933	88.4	0,81	65	7519	80.9	0,82

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SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1050	930	**1NA1 456-8BC10-0CA0**	892	96.3	0,80	1140	11241	2,50	56.4	2200	495	10647	94.1	0,79	175	9555	90.2	0,79	80	9056	84.2	0,80
1050	930	**1NA1 456-8BC10-0AA0**	894	96.3	0,80	1140	11216	2,50	46.4	2200	495	10631	94.0	0,79	175	9541	90.2	0,79	80	9043	84.7	0,79
1100	970	**1NA1 458-8BC10-0AA0**	894	96.4	0,81	1180	11750	2,60	54.9	2200	520	11131	94.0	0,80	185	9989	90.4	0,80	85	9468	85.3	0,81
1100	970	**1NA1 458-8BC10-0CA0**	893	96.4	0,81	1180	11763	2,70	66.6	2200	520	11144	94.1	0,81	185	10001	90.4	0,81	85	9479	84.8	0,81
1160	1020	**1NA1 504-8BC10-0AA0**	892	96.0	0,81	1240	12418	1,70	58.9	2100	545	11759	94.4	0,80	190	10553	90.8	0,80	90	10002	85.1	0,81
1200	1060	**1NA1 504-8BC10-0CA0**	893	96.1	0,85	1220	12832	1,90	75.7	2100	565	12158	94.5	0,84	200	10911	91.1	0,84	90	10342	85.9	0,85
1250	1100	**1NA1 506-8BC10-0AA0**	893	96.1	0,81	1340	13367	1,70	66.4	2100	590	12667	94.5	0,81	205	11368	91.0	0,81	95	10775	85.5	0,82
1260	1110	**1NA1 506-8BC10-0CA0**	894	96.1	0,85	1300	13459	2,00	85.2	2100	595	12757	94.5	0,85	210	11449	91.4	0,84	95	10851	86.4	0,85
1400	1230	**1NA1 508-8BC10-0CA0**	895	96.2	0,84	1440	14937	2,60	96.4	2100	660	14137	94.7	0,82	235	12687	92.1	0,81	110	12025	88.2	0,81
1400	1230	**1NA1 508-8BC10-0AA0**	894	96.4	0,82	1480	14954	2,10	75.3	2100	660	14162	94.9	0,81	235	12709	91.9	0,80	110	12046	87.4	0,80
1820	1600	**1NA1 564-8BC10-0CA0**	893	96.7	0,84	1880	19462	1,70	136.4	2000	855	18428	95.2	0,85	300	16538	91.9	0,86	140	15675	87.0	0,87
1920	1690	**1NA1 566-8BC10-0CA0**	894	96.8	0,85	1960	20509	1,90	151.7	2000	905	19427	95.3	0,85	320	17435	92.4	0,86	150	16525	88.2	0,86
2060	1820	**1NA1 568-8BC10-0CA0**	894	97.0	0,85	2100	22004	2,10	167.0	2000	970	20833	95.6	0,85	345	18697	92.9	0,86	160	17721	88.9	0,86

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2BC10-0AA0	3500	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 402-2BC10-0CA0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 404-2BC10-0AA0	3600	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 404-2BC10-0CA0	3700	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 406-2BC10-0AA0	3800	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 406-2BC10-0CA0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 408-2BC10-0AA0	3900	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 408-2BC10-0CA0	4000	750	520	840	970	1290	356	626	1120	254	85	130	400	944	365	1158	971	2642	160
1NA1 454-2BC10-0CA0	4800	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 456-2BC10-0CA0	5000	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
1NA1 458-2BC10-0CA0	5200	850	564	884	1079	1399	356	670	1250	254	95	130	450	1068	451	1282	1057	2895	180
4-pole																			
1NA1 404-4BC10-0AA0	3700	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 404-4BC10-0CA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-4BC10-0AA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-4BC10-0CA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-4BC10-0AA0	4100	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-4BC10-0CA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 454-4BC10-0AA0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 454-4BC10-0CA0	4900	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-4BC10-0CA0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-4BC10-0AA0	5100	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-4BC10-0CA0	5600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-4BC10-0AA0	5400	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 504-4BC10-0AA0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-4BC10-0CA0	6600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-4BC10-0AA0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-4BC10-0CA0	7000	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-4BC10-0AA0	7300	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-4BC10-0CA0	7500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 564-4BC10-0AA0	8400	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 564-4BC10-0CA0	8700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-4BC10-0AA0	8900	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-4BC10-0CA0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-4BC10-0AA0	9300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-4BC10-0CA0	9700	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
6-pole																			
1NA1 404-6BC10-0AA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 404-6BC10-0CA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-6BC10-0AA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-6BC10-0CA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-6BC10-0AA0	4300	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-6BC10-0CA0	4400	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 454-6BC10-0AA0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 454-6BC10-0CA0	4900	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-6BC10-0AA0	5100	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-6BC10-0CA0	5300	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-6BC10-0AA0	5600	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-6BC10-0CA0	5800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 502-6BC10-0AA0	6200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 502-6BC10-0CA0	6400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-6BC10-0AA0	6500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-6BC10-0CA0	6800	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-6BC10-0AA0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-6BC10-0CA0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-6BC10-0AA0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-6BC10-0CA0	7700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 564-6BC10-0CA0	9300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-6BC10-0CA0	9800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-6BC10-0CA0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
8-pole																			
1NA1 404-8BC10-0AA0	3800	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 404-8BC10-0CA0	3900	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-8BC10-0AA0	4000	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 406-8BC10-0CA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-8BC10-0AA0	4200	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 408-8BC10-0CA0	4400	750	520	840	970	1290	356	626	1120	254	110	165	400	944	365	1158	971	2677	160
1NA1 454-8BC10-0AA0	4700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 454-8BC10-0CA0	4800	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-8BC10-0CA0	5200	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 456-8BC10-0AA0	5000	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-8BC10-0AA0	5500	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180
1NA1 458-8BC10-0CA0	5700	850	564	884	1079	1399	356	670	1250	280	120	165	450	1068	451	1282	1057	2956	180

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-8BC10-0AA0	6500	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 504-8BC10-0CA0	6700	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-8BC10-0AA0	6900	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 506-8BC10-0CA0	7200	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-8BC10-0CA0	7600	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 508-8BC10-0AA0	7400	950	610	1029	1175	1594	371	885	1320	315	140	200	500	1343	522	1508	1194	3166	200
1NA1 564-8BC10-0CA0	9200	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 566-8BC10-0CA0	9800	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225
1NA1 568-8BC10-0CA0	10300	1060	670	1089	1305	1724	371	945	1400	335	160	240	560	1470	627	1635	1300	3422	225

Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NA1 404-4BC14-0AA0	3700	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 404-4BC14-0CA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-4BC14-0AA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-4BC14-0CA0	4100	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-4BC14-0AA0	4200	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-4BC14-0CA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 454-4BC14-0AA0	4900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 454-4BC14-0CA0	5100	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-4BC14-0CA0	5500	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-4BC14-0AA0	5300	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-4BC14-0CA0	5800	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-4BC14-0AA0	5600	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 504-4BC14-0AA0	6500	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-4BC14-0CA0	6800	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-4BC14-0AA0	7000	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-4BC14-0CA0	7200	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-4BC14-0AA0	7500	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-4BC14-0CA0	7700	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 564-4BC14-0AA0	8600	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 564-4BC14-0CA0	9000	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-4BC14-0AA0	9100	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-4BC14-0CA0	9500	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-4BC14-0AA0	9500	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-4BC14-0CA0	9900	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
6-pole													
1NA1 404-6BC14-0AA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 404-6BC14-0CA0	4000	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-6BC14-0AA0	4100	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-6BC14-0CA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-6BC14-0AA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-6BC14-0CA0	4500	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 454-6BC14-0AA0	4900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 454-6BC14-0CA0	5100	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-6BC14-0AA0	5300	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-6BC14-0CA0	5400	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-6BC14-0AA0	5700	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8

Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 458-6BC14-0CA0	5900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 502-6BC14-0AA0	6400	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 502-6BC14-0CA0	6600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-6BC14-0AA0	6700	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-6BC14-0CA0	7000	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-6BC14-0AA0	7100	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-6BC14-0CA0	7400	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-6BC14-0AA0	7600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-6BC14-0CA0	7900	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 564-6BC14-0CA0	9500	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-6BC14-0CA0	10000	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-6BC14-0CA0	10500	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
8-pole													
1NA1 404-8BC14-0AA0	3900	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 404-8BC14-0CA0	4000	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-8BC14-0AA0	4100	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 406-8BC14-0CA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-8BC14-0AA0	4300	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 408-8BC14-0CA0	4500	1020	356	110	1044	1258	2677	2880	940	880	1000	22	8
1NA1 454-8BC14-0AA0	4900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 454-8BC14-0CA0	5000	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-8BC14-0CA0	5400	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 456-8BC14-0AA0	5200	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-8BC14-0AA0	5700	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 458-8BC14-0CA0	5900	1139	356	120	1193	1407	2956	3164	1080	1000	1150	26	8
1NA1 504-8BC14-0AA0	6700	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 504-8BC14-0CA0	6900	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-8BC14-0AA0	7100	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 506-8BC14-0CA0	7400	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-8BC14-0CA0	7800	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 508-8BC14-0AA0	7600	1235	371	140	1468	1633	3166	3374	1180	1120	1250	26	16
1NA1 564-8BC14-0CA0	9400	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 566-8BC14-0CA0	10000	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16
1NA1 568-8BC14-0CA0	10600	1370	371	160	1610	1775	3422	3630	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC416 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																						
	1000	**1NA1 454-2BR40-0AA0**	2985	97.0	0,90	158	3199	2,80	14.2	3600	470	3029	96.5	0,90	165	2719	94.0	0,89	80	2577	91.3	0,88
	960	**1NA1 454-2BR40-0CA0**	2983	96.8	0,90	152	3073	2,50	18.4	3600	450	2912	96.3	0,90	160	2613	93.6	0,89	75	2477	90.7	0,88
	1110	**1NA1 456-2BR40-0AA0**	2986	97.2	0,91	174	3550	2,90	15.7	3600	525	3361	96.6	0,91	185	3017	94.2	0,89	85	2859	91.6	0,88
	1070	**1NA1 456-2BR40-0CA0**	2983	96.9	0,91	168	3425	2,50	20.2	3600	505	3244	96.4	0,90	180	2911	93.8	0,89	85	2759	91.0	0,88
	1250	**1NA1 458-2BR40-0AA0**	2987	97.3	0,92	194	3996	3,20	17.0	3600	590	3783	96.7	0,91	210	3395	94.3	0,90	100	3218	91.7	0,88
	1200	**1NA1 458-2BR40-0CA0**	2984	97.1	0,91	188	3840	2,70	21.9	3600	565	3638	96.5	0,90	200	3265	94.0	0,89	95	3094	91.2	0,88
	1350	**1NA1 504-2BR40-0CA0**	2987	97.1	0,90	215	4316	2,70	29.7	3000	635	4087	96.8	0,90	225	3668	94.8	0,89	105	3477	92.5	0,87
	1500	**1NA1 506-2BR40-0CA0**	2987	97.2	0,90	240	4795	2,70	33.3	3000	705	4541	97.0	0,90	250	4076	95.0	0,89	120	3863	92.8	0,88
	1670	**1NA1 508-2BR40-0CA0**	2989	97.3	0,91	260	5335	3,20	36.2	3000	790	5051	97.2	0,91	280	4533	95.3	0,89	130	4297	93.2	0,87
	2000	**1NA1 566-2BR40-0CA0**	2990	97.4	0,91	315	6387	2,60	55.3	3000	945	6050	97.2	0,91	335	5429	95.7	0,91	160	5146	93.8	0,90
	2250	**1NA1 568-2BR40-0CA0**	2990	97.5	0,92	350	7186	2,70	60.0	3000	1060	6804	97.4	0,91	380	6106	95.8	0,91	180	5787	94.1	0,90
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																						
	1000	**1NA1 454-4BR40-0AA0**	1493	96.7	0,85	168	6396	3,20	21.5	2400	470	6060	96.2	0,84	165	5439	93.2	0,82	80	5155	89.4	0,75
	1000	**1NA1 454-4BR40-0CA0**	1492	96.7	0,84	170	6400	2,60	27.6	2400	470	6062	96.2	0,84	165	5440	93.4	0,82	80	5156	90.0	0,77
	1100	**1NA1 456-4BR40-0AA0**	1492	96.8	0,86	184	7040	3,10	24.8	2400	520	6667	96.3	0,86	185	5983	93.4	0,83	85	5671	89.9	0,78
	1100	**1NA1 456-4BR40-0CA0**	1492	96.9	0,85	186	7040	2,60	31.7	2400	520	6669	96.3	0,85	185	5985	93.6	0,83	85	5672	90.4	0,79
	1200	**1NA1 458-4BR40-0AA0**	1493	96.9	0,85	200	7675	3,60	27.2	2400	565	7266	96.5	0,84	200	6521	93.9	0,81	95	6180	90.3	0,73
	1210	**1NA1 458-4BR40-0CA0**	1493	97.0	0,85	205	7739	2,90	34.8	2400	570	7328	96.5	0,84	205	6577	94.1	0,81	95	6233	91.0	0,76
	1260	**1NA1 504-4BR40-0AA0**	1492	96.8	0,87	210	8064	2,80	32.5	2200	595	7640	96.4	0,87	210	6856	94.0	0,85	100	6498	91.0	0,82
	1260	**1NA1 504-4BR40-0CA0**	1492	96.9	0,86	210	8064	2,20	42.4	2200	595	7637	96.5	0,85	210	6854	94.2	0,85	100	6496	91.5	0,82
	1410	**1NA1 506-4BR40-0AA0**	1493	96.9	0,88	230	9018	3,00	37.1	2200	665	8544	96.6	0,88	235	7668	94.2	0,86	110	7268	91.3	0,81
	1410	**1NA1 506-4BR40-0CA0**	1493	97.0	0,87	230	9018	2,40	48.0	2200	665	8547	96.6	0,86	235	7671	94.4	0,85	110	7270	91.9	0,82
	1450	**1NA1 508-4BR40-0AA0**	1494	97.0	0,88	235	9268	3,70	42.4	2200	685	8776	96.8	0,87	245	7876	94.6	0,84	115	7465	91.8	0,78
	1470	**1NA1 508-4BR40-0CA0**	1494	97.0	0,87	240	9396	2,90	54.6	2200	695	8896	96.9	0,86	245	7984	94.9	0,84	115	7567	92.4	0,80
	1750	**1NA1 562-4BR40-0CA0**	1493	97.3	0,86	290	11193	2,20	72.5	2000	825	10603	97.0	0,85	295	9516	94.9	0,84	140	9019	92.5	0,81
	1750	**1NA1 562-4BR40-0AA0**	1494	97.2	0,87	285	11186	2,60	54.5	2000	825	10598	97.0	0,86	295	9511	94.9	0,84	140	9014	92.3	0,80
	1920	**1NA1 564-4BR40-0AA0**	1494	97.4	0,87	315	12272	2,80	59.9	2000	905	11621	97.1	0,87	325	10429	95.0	0,85	150	9885	92.5	0,79
	2050	**1NA1 564-4BR40-0CA0**	1494	97.5	0,87	335	13103	2,30	79.4	2000	965	12419	97.1	0,86	345	11145	94.9	0,85	160	10563	92.6	0,82
	2150	**1NA1 566-4BR40-0AA0**	1494	97.5	0,88	350	13742	2,90	66.7	2000	1015	13012	97.2	0,87	360	11677	95.0	0,85	170	11068	92.5	0,80
	2150	**1NA1 566-4BR40-0CA0**	1494	97.6	0,87	350	13742	2,50	88.0	2000	1015	13015	97.2	0,87	360	11680	95.1	0,85	170	11070	92.9	0,82
	2260	**1NA1 568-4BR40-0AA0**	1495	97.5	0,88	365	14436	3,20	73.4	2000	1065	13670	97.3	0,87	380	12269	95.2	0,85	180	11628	92.7	0,79
	2300	**1NA1 568-4BR40-0CA0**	1495	97.6	0,88	370	14691	2,70	96.7	2000	1085	13917	97.3	0,87	385	12489	95.4	0,85	180	11837	93.2	0,81
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	720	**1NA1 454-6BR40-0AA0**	994	96.3	0,80	130	6917	2,30	31.8	2200	340	6553	95.5	0,80	120	5881	92.0	0,79	55	5574	87.7	0,74

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SIMOTICS HV C - 1NA1 IC416 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	770	**1NA1 454-6BR40-0CA0**	994	96.4	0,83	134	7397	2,40	41.0	2200	365	7013	95.5	0,83	130	6294	92.0	0,82	60	5965	87.8	0,77
	820	**1NA1 456-6BR40-0AA0**	994	96.4	0,81	146	7878	2,30	36.9	2200	385	7461	95.6	0,81	135	6696	92.4	0,80	65	6346	88.3	0,75
	850	**1NA1 456-6BR40-0CA0**	994	96.5	0,84	146	8166	2,50	47.3	2200	400	7737	95.6	0,84	140	6944	92.4	0,83	65	6581	88.5	0,78
	920	**1NA1 458-6BR40-0AA0**	994	96.5	0,82	162	8838	2,40	43.6	2200	435	8368	95.8	0,82	155	7510	92.8	0,80	70	7118	89.1	0,75
	950	**1NA1 458-6BR40-0CA0**	994	96.6	0,84	162	9127	2,60	55.7	2200	450	8643	95.9	0,84	160	7756	92.9	0,83	75	7351	89.3	0,78
	970	**1NA1 502-6BR40-0AA0**	994	96.5	0,84	166	9319	2,50	52.8	2100	455	8835	95.6	0,84	160	7929	92.0	0,84	75	7515	87.7	0,81
	1020	**1NA1 502-6BR40-0CA0**	995	96.7	0,86	170	9789	2,30	67.5	2100	480	9274	95.8	0,87	170	8323	92.7	0,87	80	7888	88.8	0,84
	1100	**1NA1 504-6BR40-0AA0**	993	96.6	0,85	186	10578	2,30	59.7	2100	520	10020	95.6	0,85	185	8992	92.2	0,86	85	8523	88.3	0,84
	1150	**1NA1 504-6BR40-0CA0**	995	96.8	0,87	190	11037	2,10	76.1	2100	540	10462	96.0	0,87	190	9390	92.9	0,88	90	8899	89.4	0,86
	1250	**1NA1 506-6BR40-0AA0**	994	96.8	0,85	210	12009	2,50	67.3	2100	590	11379	95.9	0,85	210	10212	92.7	0,85	95	9679	89.0	0,82
	1300	**1NA1 506-6BR40-0CA0**	995	97.0	0,87	215	12476	2,20	85.6	2100	615	11819	96.3	0,87	220	10607	93.5	0,87	100	10053	90.3	0,84
	1400	**1NA1 508-6BR40-0AA0**	994	96.9	0,86	235	13450	2,60	76.4	2100	660	12745	96.1	0,86	235	11438	92.9	0,86	110	10841	89.3	0,82
	1450	**1NA1 508-6BR40-0CA0**	995	97.1	0,87	240	13916	2,40	96.7	2100	685	13177	96.4	0,87	245	11825	93.7	0,87	115	11208	90.6	0,84
	1800	**1NA1 564-6BR40-0CA0**	995	97.3	0,87	295	17275	2,40	136.7	2000	850	16367	96.8	0,88	300	14689	94.1	0,88	140	13922	91.3	0,86
	1950	**1NA1 566-6BR40-0CA0**	995	97.3	0,87	320	18715	2,50	151.9	2000	920	17723	96.9	0,88	325	15905	94.5	0,88	155	15075	91.7	0,85
	2120	**1NA1 568-6BR40-0CA0**	996	97.4	0,87	345	20326	2,80	167.0	2000	1000	19255	97.1	0,88	355	17280	94.7	0,88	165	16378	92.0	0,84
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	650	**1NA1 454-8BR40-0AA0**	743	95.9	0,78	120	8354	2,00	32.0	2200	305	7912	94.4	0,78	105	7101	89.4	0,78	50	6730	83.6	0,75
	630	**1NA1 454-8BR40-0CA0**	744	96.0	0,80	114	8086	2,10	41.1	2200	295	7662	94.6	0,80	105	6877	89.9	0,80	50	6518	84.3	0,75
	680	**1NA1 456-8BR40-0AA0**	744	96.0	0,79	124	8728	2,30	37.1	2200	320	8269	94.8	0,79	115	7421	90.1	0,78	50	7034	84.6	0,74
	680	**1NA1 456-8BR40-0CA0**	745	96.1	0,80	122	8716	2,30	47.4	2200	320	8263	94.9	0,80	115	7416	90.4	0,79	55	7029	85.1	0,75
	710	**1NA1 458-8BR40-0AA0**	745	96.2	0,79	130	9101	2,40	43.9	2200	335	8629	95.2	0,79	120	7744	91.2	0,78	55	7340	86.1	0,72
	710	**1NA1 458-8BR40-0CA0**	745	96.2	0,80	128	9101	2,50	55.9	2200	335	8618	95.3	0,80	120	7734	91.3	0,78	55	7331	86.5	0,73
	800	**1NA1 504-8BR40-0AA0**	744	96.0	0,80	144	10268	2,10	58.9	2100	375	9721	94.8	0,80	135	8724	91.2	0,80	60	8268	86.7	0,76
	810	**1NA1 504-8BR40-0CA0**	745	96.0	0,85	138	10382	2,40	75.7	2100	380	9834	95.0	0,84	135	8826	91.6	0,83	65	8365	87.3	0,79
	850	**1NA1 506-8BR40-0AA0**	745	96.1	0,80	154	10895	2,40	66.4	2100	400	10314	95.1	0,80	140	9256	91.8	0,78	65	8773	87.3	0,73
	850	**1NA1 506-8BR40-0CA0**	746	96.0	0,84	146	10881	2,80	85.2	2100	400	10304	95.2	0,83	140	9248	92.1	0,81	65	8765	87.8	0,75
	900	**1NA1 508-8BR40-0AA0**	746	96.1	0,81	160	11521	2,60	75.3	2100	425	10920	95.3	0,80	150	9800	92.2	0,78	70	9288	87.9	0,72
	900	**1NA1 508-8BR40-0CA0**	746	96.0	0,83	156	11521	3,00	96.4	2100	425	10904	95.4	0,82	150	9786	92.5	0,80	70	9275	88.4	0,74
	1200	**1NA1 564-8BR40-0CA0**	746	96.8	0,84	205	15361	2,50	136.4	2000	565	14553	96.2	0,85	200	13061	93.2	0,84	95	12379	89.6	0,79
	1350	**1NA1 566-8BR40-0CA0**	746	96.9	0,84	230	17281	2,60	151.7	2000	635	16366	96.4	0,84	225	14687	93.3	0,83	105	13921	89.8	0,78
	1450	**1NA1 568-8BR40-0CA0**	746	96.9	0,84	245	18561	2,60	167.0	2000	685	17580	96.4	0,85	240	15777	93.6	0,84	115	14953	90.3	0,79

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2BR40-0AA0	4700	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 454-2BR40-0CA0	4900	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 456-2BR40-0AA0	5000	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 456-2BR40-0CA0	5100	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 458-2BR40-0AA0	5200	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 458-2BR40-0CA0	5300	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 504-2BR40-0CA0	6400	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	3096	200
1NA1 506-2BR40-0CA0	6900	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	3096	200
1NA1 508-2BR40-0CA0	7200	950	610	894	1175	1459	489	763	1320	280	110	165	500	1221	403	1352	1095	3096	200
1NA1 566-2BR40-0CA0	9100	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	3302	225
1NA1 568-2BR40-0CA0	9500	1060	670	954	1305	1589	489	823	1400	290	120	165	560	1348	509	1479	1201	3302	225
4-pole																			
1NA1 454-4BR40-0AA0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 454-4BR40-0CA0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-4BR40-0AA0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-4BR40-0CA0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-4BR40-0AA0	5400	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-4BR40-0CA0	5600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 504-4BR40-0AA0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-4BR40-0CA0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-4BR40-0AA0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-4BR40-0CA0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-4BR40-0AA0	7300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-4BR40-0CA0	7600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 562-4BR40-0CA0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 562-4BR40-0AA0	8100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 564-4BR40-0AA0	8500	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 564-4BR40-0CA0	8800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-4BR40-0AA0	9000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-4BR40-0CA0	9400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-4BR40-0AA0	9400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-4BR40-0CA0	9800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
6-pole																			
1NA1 454-6BR40-0AA0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 454-6BR40-0CA0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-6BR40-0AA0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 456-6BR40-0CA0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-6BR40-0AA0	5600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-6BR40-0CA0	5800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 502-6BR40-0AA0	6100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 502-6BR40-0CA0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-6BR40-0AA0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-6BR40-0CA0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-6BR40-0AA0	6900	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-6BR40-0CA0	7200	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-6BR40-0AA0	7400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-6BR40-0CA0	7700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 564-6BR40-0CA0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-6BR40-0CA0	9800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-6BR40-0CA0	10400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
8-pole																			
1NA1 454-8BR40-0AA0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 454-8BR40-0CA0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-8BR40-0AA0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-8BR40-0CA0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-8BR40-0AA0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-8BR40-0CA0	5700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 504-8BR40-0AA0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-8BR40-0CA0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-8BR40-0AA0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-8BR40-0CA0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-8BR40-0AA0	7300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-8BR40-0CA0	7600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 564-8BR40-0CA0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-8BR40-0CA0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-8BR40-0CA0	10300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NA1 454-4BR44-0AA0	4900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 454-4BR44-0CA0	5100	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-4BR44-0AA0	5300	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-4BR44-0CA0	5500	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-4BR44-0AA0	5600	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-4BR44-0CA0	5800	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 504-4BR44-0AA0	6600	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 504-4BR44-0CA0	6800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-4BR44-0AA0	7000	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-4BR44-0CA0	7200	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-4BR44-0AA0	7500	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-4BR44-0CA0	7800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 562-4BR44-0CA0	8700	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 562-4BR44-0AA0	8300	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 564-4BR44-0AA0	8700	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 564-4BR44-0CA0	9100	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 566-4BR44-0AA0	9200	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 566-4BR44-0CA0	9600	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 568-4BR44-0AA0	9700	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 568-4BR44-0CA0	10100	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
6-pole														
1NA1 454-6BR44-0AA0	4900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 454-6BR44-0CA0	5100	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-6BR44-0AA0	5200	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-6BR44-0CA0	5500	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-6BR44-0AA0	5700	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-6BR44-0CA0	6000	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 502-6BR44-0AA0	6300	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 502-6BR44-0CA0	6500	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 504-6BR44-0AA0	6700	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 504-6BR44-0CA0	6900	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-6BR44-0AA0	7100	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-6BR44-0CA0	7300	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-6BR44-0AA0	7600	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-6BR44-0CA0	7800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 564-6BR44-0CA0	9500	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-6BR44-0CA0	10000	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 568-6BR44-0CA0	10600	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
8-pole													
1NA1 454-8BR44-0AA0	4900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 454-8BR44-0CA0	5000	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-8BR44-0AA0	5200	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-8BR44-0CA0	5400	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-8BR44-0AA0	5700	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-8BR44-0CA0	5900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 504-8BR44-0AA0	6600	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 504-8BR44-0CA0	6900	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-8BR44-0AA0	7000	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-8BR44-0CA0	7200	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-8BR44-0AA0	7500	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-8BR44-0CA0	7700	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 564-8BR44-0CA0	9400	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 566-8BR44-0CA0	10000	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 568-8BR44-0CA0	10500	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16

SIMOTICS HV C - 1NA1 IC416 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	1150	**1NA1 454-2BR30-0CA0**	3583	96.8	0,90	184	3065	2,40	18.7	3600	540	2903	96.5	0,89	195	2606	94.3	0,88	90	2470	91.9	0,86
	1300	**1NA1 456-2BR30-0CA0**	3584	97.0	0,90	205	3464	2,60	20.6	3600	615	3280	96.7	0,90	220	2944	94.6	0,88	100	2790	92.3	0,86
	1460	**1NA1 458-2BR30-0CA0**	3585	97.1	0,91	230	3889	2,80	22.3	3600	690	3682	96.8	0,90	245	3305	94.8	0,88	115	3132	92.5	0,84
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	1200	**1NA1 454-4BR30-0AA0**	1793	96.8	0,84	205	6391	3,10	21.5	2400	565	6055	96.4	0,84	200	5434	93.9	0,81	95	5150	90.6	0,73
	1200	**1NA1 454-4BR30-0CA0**	1792	96.8	0,84	205	6395	2,60	27.6	2400	565	6057	96.5	0,83	200	5436	94.1	0,81	95	5152	91.2	0,75
	1260	**1NA1 456-4BR30-0AA0**	1793	96.9	0,85	210	6711	3,50	24.8	2400	595	6353	96.6	0,84	210	5701	94.1	0,81	100	5404	91.0	0,73
	1270	**1NA1 456-4BR30-0CA0**	1793	96.9	0,84	215	6764	2,80	31.7	2400	600	6406	96.6	0,83	215	5749	94.4	0,81	100	5449	91.7	0,75
	1370	**1NA1 458-4BR30-0AA0**	1794	97.0	0,85	230	7292	3,70	27.2	2400	645	6905	96.7	0,84	230	6197	94.3	0,81	110	5874	91.3	0,72
	1400	**1NA1 458-4BR30-0CA0**	1794	97.0	0,85	235	7452	3,00	34.8	2400	660	7059	96.7	0,84	235	6335	94.6	0,81	110	6004	92.0	0,75
	1450	**1NA1 504-4BR30-0AA0**	1792	96.8	0,88	235	7727	2,90	32.5	2200	685	7319	96.6	0,87	245	6568	94.4	0,85	115	6225	91.8	0,81
	1450	**1NA1 504-4BR30-0CA0**	1793	96.8	0,86	240	7723	2,30	42.4	2200	685	7319	96.6	0,86	245	6568	94.6	0,85	115	6225	92.4	0,82
	1620	**1NA1 506-4BR30-0AA0**	1793	96.9	0,88	265	8628	3,20	37.1	2200	765	8170	96.7	0,87	270	7332	94.5	0,85	130	6949	92.0	0,79
	1650	**1NA1 506-4BR30-0CA0**	1793	97.0	0,87	270	8788	2,50	48.0	2200	780	8321	96.8	0,86	275	7468	94.8	0,85	130	7078	92.6	0,81
	1650	**1NA1 508-4BR30-0AA0**	1794	96.9	0,88	270	8783	3,40	42.4	2200	780	8318	96.8	0,88	275	7465	94.9	0,86	130	7075	92.6	0,81
	1660	**1NA1 508-4BR30-0CA0**	1794	97.0	0,87	275	8836	2,70	54.6	2200	785	8368	96.9	0,87	280	7510	95.1	0,85	130	7118	93.1	0,81
	2000	**1NA1 562-4BR30-0CA0**	1793	97.3	0,86	330	10652	2,20	72.5	2000	945	10084	97.1	0,86	335	9050	95.2	0,85	160	8577	93.2	0,82
	2005	**1NA1 562-4BR30-0AA0**	1794	97.2	0,87	330	10672	2,50	54.5	2000	945	10090	97.0	0,87	335	9055	95.1	0,85	160	8582	93.0	0,81
	2205	**1NA1 564-4BR30-0AA0**	1794	97.3	0,88	355	11737	2,60	59.9	2000	1040	11097	97.1	0,87	370	9959	95.2	0,85	175	9439	93.0	0,81
	2205	**1NA1 564-4BR30-0CA0**	1794	97.4	0,87	360	11737	2,30	79.4	2000	1040	11099	97.2	0,87	370	9961	95.3	0,85	175	9441	93.3	0,82
	2350	**1NA1 566-4BR30-0AA0**	1794	97.4	0,88	380	12509	2,90	66.7	2000	1110	11845	97.2	0,88	395	10630	95.1	0,86	185	10075	93.0	0,81
	2355	**1NA1 566-4BR30-0CA0**	1794	97.5	0,88	380	12535	2,50	88.0	2000	1110	11849	97.2	0,87	395	10634	95.3	0,85	185	10079	93.3	0,82
	2510	**1NA1 568-4BR30-0AA0**	1795	97.4	0,88	405	13353	3,30	73.4	2000	1185	12643	97.2	0,87	425	11346	94.9	0,85	200	10754	92.6	0,78
	2550	**1NA1 568-4BR30-0CA0**	1795	97.5	0,88	410	13566	2,80	96.7	2000	1205	12847	97.3	0,87	430	11530	95.2	0,85	205	10928	93.2	0,80
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	850	**1NA1 454-6BR30-0AA0**	1193	96.4	0,81	152	6804	2,10	31.8	2200	400	6442	95.7	0,81	140	5781	92.7	0,80	65	5479	89.2	0,76
	900	**1NA1 454-6BR30-0CA0**	1193	96.5	0,84	154	7204	2,20	41.0	2200	425	6828	95.7	0,84	150	6127	92.7	0,83	70	5808	89.2	0,79
	980	**1NA1 456-6BR30-0AA0**	1194	96.5	0,81	174	7838	2,20	36.9	2200	460	7427	95.9	0,81	165	6665	93.1	0,80	75	6317	89.8	0,76
	980	**1NA1 456-6BR30-0CA0**	1194	96.6	0,84	168	7838	2,40	47.3	2200	460	7427	96.0	0,83	165	6665	93.2	0,83	75	6317	90.0	0,78
	1020	**1NA1 458-6BR30-0AA0**	1195	96.6	0,81	180	8151	2,70	43.6	2200	480	7722	96.2	0,80	170	6930	93.7	0,78	80	6568	90.4	0,71
	1020	**1NA1 458-6BR30-0CA0**	1195	96.6	0,83	176	8151	3,00	55.7	2200	480	7716	96.2	0,82	170	6925	93.8	0,80	80	6563	90.7	0,73
	1200	**1NA1 502-6BR30-0AA0**	1193	96.7	0,83	210	9605	2,10	52.8	2100	565	9106	95.9	0,84	200	8173	92.8	0,84	95	7746	89.4	0,82
	1250	**1NA1 502-6BR30-0CA0**	1194	96.9	0,86	210	9997	2,00	67.5	2100	590	9466	96.2	0,86	210	8495	93.5	0,87	100	8052	90.4	0,85
	1300	**1NA1 504-6BR30-0AA0**	1193	96.9	0,85	220	10406	2,30	59.7	2100	615	9857	96.1	0,85	215	8846	93.2	0,85	100	8384	89.9	0,83

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SIMOTICS HV C - 1NA1 IC416 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1360	**1NA1 504-6BR30-0CA0**	1195	97.0	0,87	225	10868	2,10	76.1	2100	640	10301	96.4	0,87	230	9244	93.8	0,87	105	8762	90.9	0,85
	1400	**1NA1 506-6BR30-0AA0**	1194	96.9	0,85	235	11197	2,60	67.3	2100	660	10606	96.2	0,86	235	9519	93.4	0,85	110	9022	90.1	0,81
	1450	**1NA1 506-6BR30-0CA0**	1195	97.1	0,87	240	11587	2,40	85.6	2100	685	10971	96.5	0,87	245	9846	94.0	0,87	115	9332	91.1	0,83
	1550	**1NA1 508-6BR30-0AA0**	1194	97.0	0,86	260	12396	2,70	76.4	2100	730	11740	96.3	0,86	260	10536	93.5	0,86	120	9986	90.3	0,82
	1600	**1NA1 508-6BR30-0CA0**	1196	97.2	0,87	265	12775	2,40	96.7	2100	755	12102	96.6	0,87	270	10860	94.2	0,87	125	10294	91.4	0,84
	2050	**1NA1 564-6BR30-0CA0**	1195	97.3	0,88	330	16382	2,30	136.7	2000	965	15521	97.0	0,88	345	13929	94.7	0,89	160	13202	92.2	0,86
	2330	**1NA1 566-6BR30-0CA0**	1195	97.4	0,88	375	18619	2,30	151.9	2000	1100	17643	97.0	0,88	390	15834	94.7	0,89	185	15007	92.3	0,87
	2430	**1NA1 568-6BR30-0CA0**	1196	97.5	0,87	400	19402	2,70	167.0	2000	1145	18377	97.2	0,88	410	16493	94.9	0,88	190	15632	92.6	0,84
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	760	**1NA1 454-8BR30-0AA0**	893	96.1	0,78	140	8127	1,80	32.0	2200	355	7703	94.8	0,78	125	6913	90.8	0,79	60	6552	86.1	0,76
	770	**1NA1 454-8BR30-0CA0**	893	96.2	0,81	138	8234	1,90	41.1	2200	360	7802	95.0	0,81	130	7002	91.0	0,81	60	6637	86.4	0,77
	820	**1NA1 456-8BR30-0AA0**	894	96.3	0,79	150	8759	2,00	37.1	2200	385	8303	95.2	0,79	135	7451	91.3	0,79	65	7063	86.7	0,75
	820	**1NA1 456-8BR30-0CA0**	894	96.3	0,81	146	8759	2,10	47.4	2200	385	8298	95.3	0,81	135	7447	91.5	0,80	65	7058	87.1	0,76
	860	**1NA1 458-8BR30-0AA0**	895	96.4	0,78	158	9176	2,50	43.9	2200	405	8696	95.6	0,78	145	7804	92.1	0,76	65	7397	87.8	0,70
	850	**1NA1 458-8BR30-0CA0**	896	96.3	0,79	156	9059	2,60	55.9	2200	400	8584	95.7	0,79	140	7704	92.3	0,77	65	7302	88.1	0,70
	900	**1NA1 504-8BR30-0CA0**	895	96.0	0,85	154	9603	2,40	75.7	2100	425	9093	95.2	0,84	150	8161	92.1	0,83	70	7735	88.3	0,79
	900	**1NA1 504-8BR30-0AA0**	895	96.1	0,80	162	9603	2,30	58.9	2100	425	9091	95.3	0,80	150	8159	92.3	0,78	70	7733	88.2	0,73
	950	**1NA1 506-8BR30-0AA0**	895	96.2	0,81	170	10136	2,20	66.4	2100	450	9600	95.3	0,81	160	8616	92.3	0,80	75	8166	88.4	0,76
	960	**1NA1 506-8BR30-0CA0**	896	96.1	0,85	164	10231	2,60	85.2	2100	455	9695	95.3	0,84	160	8701	92.4	0,82	75	8247	88.8	0,78
	1000	**1NA1 508-8BR30-0AA0**	895	96.3	0,82	176	10670	2,20	75.3	2100	470	10107	95.5	0,81	165	9070	92.8	0,80	80	8597	89.3	0,77
	1000	**1NA1 508-8BR30-0CA0**	896	96.2	0,85	170	10658	2,60	96.4	2100	470	10097	95.6	0,84	170	9062	93.0	0,82	80	8589	89.7	0,79
	1330	**1NA1 564-8BR30-0CA0**	895	96.8	0,85	225	14191	2,20	136.4	2000	625	13440	96.3	0,85	225	12061	93.6	0,85	105	11432	90.6	0,82
	1560	**1NA1 566-8BR30-0CA0**	896	96.9	0,85	265	16626	2,40	151.7	2000	735	15757	96.5	0,85	260	14141	93.8	0,85	120	13403	90.8	0,81
	1650	**1NA1 568-8BR30-0CA0**	896	97.0	0,84	280	17585	2,70	167.0	2000	780	16651	96.7	0,85	275	14944	94.1	0,83	130	14164	91.4	0,78

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2BR30-0CA0	4900	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 456-2BR30-0CA0	5100	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
1NA1 458-2BR30-0CA0	5400	850	564	848	1079	1363	489	717	1250	254	95	130	450	1115	318	1246	1010	2895	180
4-pole																			
1NA1 454-4BR30-0AA0	4800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 454-4BR30-0CA0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-4BR30-0AA0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-4BR30-0CA0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-4BR30-0AA0	5400	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-4BR30-0CA0	5600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 504-4BR30-0AA0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-4BR30-0CA0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-4BR30-0AA0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-4BR30-0CA0	7000	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-4BR30-0AA0	7300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-4BR30-0CA0	7500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 562-4BR30-0CA0	8400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 562-4BR30-0AA0	8100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 564-4BR30-0AA0	8500	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 564-4BR30-0CA0	8800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-4BR30-0AA0	9000	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-4BR30-0CA0	9300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-4BR30-0AA0	9500	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-4BR30-0CA0	9900	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
6-pole																			
1NA1 454-6BR30-0AA0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 454-6BR30-0CA0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-6BR30-0AA0	5100	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-6BR30-0CA0	5300	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-6BR30-0AA0	5600	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-6BR30-0CA0	5800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 502-6BR30-0AA0	6100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 502-6BR30-0CA0	6300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-6BR30-0AA0	6500	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-6BR30-0CA0	6700	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-6BR30-0AA0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-6BR30-0CA0	7100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-6BR30-0AA0	7300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-6BR30-0CA0	7600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 564-6BR30-0CA0	9200	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-6BR30-0CA0	9800	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-6BR30-0CA0	10400	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
8-pole																			
1NA1 454-8BR30-0AA0	4700	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 454-8BR30-0CA0	4900	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-8BR30-0AA0	5000	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 456-8BR30-0CA0	5200	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-8BR30-0AA0	5500	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 458-8BR30-0CA0	5800	850	564	848	1079	1363	489	717	1250	280	120	165	450	1115	318	1246	1010	2956	180
1NA1 504-8BR30-0CA0	6600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 504-8BR30-0AA0	6400	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-8BR30-0AA0	6800	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 506-8BR30-0CA0	7100	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-8BR30-0AA0	7300	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 508-8BR30-0CA0	7600	950	610	894	1175	1459	489	763	1320	315	140	200	500	1221	403	1352	1095	3166	200
1NA1 564-8BR30-0CA0	9100	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 566-8BR30-0CA0	9700	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225
1NA1 568-8BR30-0CA0	10300	1060	670	954	1305	1589	489	823	1400	335	160	240	560	1348	509	1479	1201	3422	225

Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z	
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
SIMOTICS HV C - 1NA1 IC416 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NA1 454-4BR34-0AA0	4900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 454-4BR34-0CA0	5100	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 456-4BR34-0AA0	5300	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 456-4BR34-0CA0	5500	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 458-4BR34-0AA0	5600	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 458-4BR34-0CA0	5800	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 504-4BR34-0AA0	6600	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 504-4BR34-0CA0	6800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 506-4BR34-0AA0	7000	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 506-4BR34-0CA0	7200	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 508-4BR34-0AA0	7400	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 508-4BR34-0CA0	7700	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 562-4BR34-0CA0	8600	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 562-4BR34-0AA0	8300	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 564-4BR34-0AA0	8700	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 564-4BR34-0CA0	9000	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 566-4BR34-0AA0	9200	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 566-4BR34-0CA0	9500	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 568-4BR34-0AA0	9700	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
1NA1 568-4BR34-0CA0	10100	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	
6-pole														
1NA1 454-6BR34-0AA0	4900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 454-6BR34-0CA0	5000	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 456-6BR34-0AA0	5200	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 456-6BR34-0CA0	5400	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 458-6BR34-0AA0	5700	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 458-6BR34-0CA0	6000	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8	
1NA1 502-6BR34-0AA0	6300	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 502-6BR34-0CA0	6500	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 504-6BR34-0AA0	6700	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 504-6BR34-0CA0	6900	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 506-6BR34-0AA0	7000	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 506-6BR34-0CA0	7300	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 508-6BR34-0AA0	7500	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 508-6BR34-0CA0	7800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16	
1NA1 564-6BR34-0CA0	9400	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16	

Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC416 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 566-6BR34-0CA0	10000	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 568-6BR34-0CA0	10600	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
8-pole													
1NA1 454-8BR34-0AA0	4900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 454-8BR34-0CA0	5000	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-8BR34-0AA0	5200	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 456-8BR34-0CA0	5400	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-8BR34-0AA0	5700	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 458-8BR34-0CA0	5900	1139	489	120	1240	1371	2956	3164	1080	1000	1150	26	8
1NA1 504-8BR34-0CA0	6800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 504-8BR34-0AA0	6600	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-8BR34-0AA0	7000	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 506-8BR34-0CA0	7200	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-8BR34-0AA0	7500	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 508-8BR34-0CA0	7800	1235	489	140	1346	1477	3166	3374	1180	1120	1250	26	16
1NA1 564-8BR34-0CA0	9300	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 566-8BR34-0CA0	9900	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16
1NA1 568-8BR34-0CA0	10500	1370	489	160	1488	1619	3422	3630	1320	1250	1400	26	16

SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
800	710	**1NA1 402-2WC00-0A.0**	2978	96.6	0,93	750	2565	3,20	10.0	3600	310	1996	96.0	0,92	100	1650	93.6	0,89	45	1535	89.7	0,89
800	710	**1NA1 402-2WC00-0C.0**	2979	96.5	0,93	750	2564	3,20	12.3	3600	310	1995	95.9	0,91	100	1650	93.5	0,89	45	1535	89.5	0,89
850	750	**1NA1 404-2WC00-0A.0**	2978	96.6	0,94	780	2726	3,40	11.0	3600	330	2121	96.0	0,93	110	1754	93.5	0,91	50	1631	89.5	0,91
830	730	**1NA1 404-2WC00-0C.0**	2979	96.5	0,94	770	2661	3,40	13.5	3600	320	2070	95.9	0,93	105	1712	93.5	0,90	50	1592	89.6	0,90
900	790	**1NA1 406-2WC00-0A.0**	2981	96.8	0,94	830	2883	3,70	12.2	3600	350	2243	96.3	0,92	115	1855	94.3	0,90	50	1725	91.0	0,89
880	780	**1NA1 406-2WC00-0C.0**	2982	96.8	0,94	810	2818	3,70	14.9	3600	340	2192	96.2	0,92	110	1813	94.2	0,89	50	1686	91.0	0,89
920	810	**1NA1 408-2WC00-0A.0**	2982	96.9	0,95	840	2946	4,60	13.0	3600	355	2293	96.3	0,92	115	1896	94.3	0,89	55	1764	91.2	0,89
900	790	**1NA1 408-2WC00-0C.0**	2984	96.8	0,94	830	2880	4,50	15.9	3600	350	2242	96.1	0,92	115	1854	94.2	0,89	55	1724	91.3	0,88
1100	970	**1NA1 454-2WC00-0A.0**	2982	97.0	0,94	1000	3523	2,50	14.1	3600	425	2740	96.5	0,93	140	2266	94.2	0,92	65	2108	90.5	0,92
1050	930	**1NA1 454-2WC00-0C.0**	2983	96.9	0,94	960	3361	2,60	19.1	3600	405	2616	96.4	0,93	135	2163	94.4	0,92	60	2012	90.9	0,92
1200	1060	**1NA1 456-2WC00-0A.0**	2985	97.3	0,94	1100	3839	3,20	15.6	3600	465	2986	96.8	0,93	155	2469	95.0	0,91	70	2297	92.1	0,91
1150	1010	**1NA1 456-2WC00-0C.0**	2986	97.2	0,94	1060	3678	3,20	21.0	3600	445	2862	96.8	0,93	145	2366	95.1	0,91	65	2201	92.3	0,91
1230	1080	**1NA1 458-2WC00-0A.0**	2985	97.3	0,95	1120	3935	3,20	16.8	3600	480	3063	96.8	0,93	155	2533	95.0	0,91	70	2356	92.0	0,91
1200	1060	**1NA1 458-2WC00-0C.0**	2986	97.2	0,95	1080	3838	3,20	22.6	3600	465	2985	96.7	0,93	155	2468	95.0	0,91	70	2296	92.2	0,91
1600	1410	**1NA1 504-2WC00-0AJ0**	2985	97.2	0,90	1540	5119	3,00	22.6	3600	620	3982	96.6	0,90	205	3293	94.9	0,88	95	3063	92.1	0,88
1600	1410	**1NA1 504-2WC00-0C.0**	2986	97.1	0,91	1520	5117	3,00	30.1	3000	620	3981	96.4	0,90	205	3291	94.8	0,88	95	3061	92.2	0,88
1820	1600	**1NA1 506-2WC00-0AJ0**	2984	97.2	0,91	1720	5824	3,00	25.7	3600	705	4531	96.5	0,91	230	3747	94.6	0,90	105	3485	91.6	0,90
1850	1630	**1NA1 506-2WC00-0C.0**	2985	97.1	0,91	1760	5918	2,80	33.7	3000	720	4606	96.4	0,91	235	3808	94.5	0,90	110	3542	91.6	0,90
2200	1940	**1NA1 508-2WC00-0AJ0**	2986	97.4	0,91	2100	7036	3,40	28.1	3600	855	5474	96.7	0,91	280	4526	95.0	0,89	130	4210	92.5	0,89
2200	1940	**1NA1 508-2WC00-0C.0**	2987	97.4	0,91	2100	7033	3,20	36.7	3000	855	5471	96.6	0,91	280	4524	95.0	0,89	130	4208	92.6	0,89
2350	2070	**1NA1 566-2WC00-0C.0**	2988	97.2	0,91	2200	7510	2,50	55.3	3000	915	5845	96.6	0,91	300	4833	95.0	0,91	140	4496	92.3	0,91
2600	2290	**1NA1 568-2WC00-0C.0**	2990	97.4	0,92	2450	8304	3,10	60.0	3000	1010	6459	96.7	0,91	330	5340	95.1	0,90	155	4967	92.8	0,90
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
280	250	**1NA1 311-4WC00-0AG0**	1486	95.4	0,87	280	1799	3,60	3.6	3300	210	1484	95.2	0,84	140	1133	94.9	0,78	70	714	93.3	0,67
370	330	**1NA1 313-4WC00-0AG0**	1486	95.7	0,88	370	2378	3,90	4.5	3300	275	1961	95.3	0,84	185	1497	95.0	0,78	90	943	93.2	0,67
430	380	**1NA1 315-4WC00-0AG0**	1487	95.8	0,88	425	2761	4,10	5.1	3300	320	2278	95.3	0,84	215	1739	94.9	0,78	105	1095	93.0	0,66
500	440	**1NA1 317-4WC00-0AG0**	1488	95.9	0,87	500	3209	4,60	5.8	3300	370	2647	95.2	0,82	250	2020	94.8	0,76	125	1273	92.5	0,63
600	530	**1NA1 351-4WC00-0AG0**	1489	96.1	0,89	590	3848	3,40	7.9	2400	445	3178	95.6	0,86	305	2425	95.4	0,82	150	1528	93.8	0,72
640	570	**1NA1 353-4WC00-0AG0**	1489	96.2	0,89	630	4104	3,60	8.6	2400	475	3390	95.7	0,86	325	2587	95.4	0,82	160	1630	93.7	0,72
700	620	**1NA1 355-4WC00-0AG0**	1489	96.2	0,89	680	4489	3,70	9.5	2400	520	3707	95.7	0,87	355	2829	95.4	0,82	175	1782	93.6	0,72
820	720	**1NA1 357-4WC00-0AG0**	1489	96.3	0,90	790	5259	3,60	10.8	2400	610	4344	95.8	0,88	415	3315	95.5	0,84	200	2088	93.9	0,74
970	860	**1NA1 404-4WC00-0A.0**	1489	96.4	0,90	940	6221	2,80	15.6	2600	415	5361	95.0	0,89	150	4849	91.7	0,88	70	4678	86.6	0,88
960	850	**1NA1 404-4WC00-0C.0**	1487	96.4	0,89	940	6165	2,50	19.8	2600	410	5313	95.1	0,88	145	4805	91.7	0,88	70	4636	86.1	0,88
1070	940	**1NA1 406-4WC00-0A.0**	1490	96.5	0,90	1040	6858	3,00	17.4	2600	460	5912	95.1	0,89	165	5346	92.1	0,88	75	5158	87.3	0,89

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SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1060	930	**1NA1 406-4WC00-0C.0**	1488	96.5	0,90	1020	6803	2,70	22.0	2600	455	5863	95.3	0,89	160	5302	92.1	0,88	75	5115	87.0	0,89
1200	1060	**1NA1 408-4WC00-0A.0**	1490	96.7	0,91	1140	7691	3,20	19.7	2600	515	6627	95.2	0,89	185	5994	92.4	0,88	85	5782	87.9	0,89
1170	1030	**1NA1 408-4WC00-0C.0**	1489	96.7	0,90	1120	7503	2,80	24.9	2600	500	6466	95.5	0,89	180	5848	92.6	0,88	85	5642	87.9	0,88
1350	1190	**1NA1 454-4WC00-0A.0**	1489	96.8	0,90	1300	8658	2,50	26.4	2400	580	7464	95.6	0,89	205	6750	92.5	0,88	95	6512	87.4	0,89
1350	1190	**1NA1 454-4WC00-0C.0**	1489	96.7	0,89	1320	8658	2,20	33.9	2400	580	7465	95.7	0,88	205	6751	92.5	0,87	95	6513	87.3	0,88
1500	1320	**1NA1 456-4WC00-0A.0**	1489	96.9	0,91	1420	9620	2,60	30.4	2400	645	8291	95.8	0,90	230	7499	92.8	0,89	110	7234	88.1	0,89
1500	1320	**1NA1 456-4WC00-0C.0**	1489	96.9	0,90	1440	9620	2,30	39.0	2400	645	8291	95.8	0,89	230	7498	92.9	0,88	110	7234	88.1	0,88
1620	1430	**1NA1 458-4WC00-0C.0**	1490	97.1	0,90	1560	10382	2,50	42.8	2400	695	8945	96.1	0,89	250	8090	93.4	0,87	115	7805	89.2	0,88
1650	1450	**1NA1 458-4WC00-0A.0**	1490	97.0	0,91	1560	10575	2,70	33.5	2400	710	9116	96.0	0,89	255	8244	93.3	0,88	120	7953	88.9	0,88
1710	1510	**1NA1 504-4WC00-0A.0**	1489	96.6	0,88	1680	10967	2,40	32.5	2200	735	9452	95.5	0,87	260	8548	92.3	0,87	125	8246	87.2	0,87
1700	1500	**1NA1 504-4WC00-0C.0**	1489	96.6	0,85	1740	10902	1,90	42.4	2200	730	9393	95.6	0,86	260	8495	92.5	0,86	120	8195	87.5	0,86
1815	1600	**1NA1 506-4WC00-0A.0**	1489	96.7	0,89	1760	11640	2,60	37.1	2200	775	10010	95.4	0,89	275	9052	92.3	0,88	130	8733	87.3	0,89
1800	1590	**1NA1 506-4WC00-0C.0**	1490	96.7	0,87	1800	11536	2,00	48.0	2200	775	9949	95.6	0,88	275	8998	92.5	0,87	130	8681	87.6	0,88
2160	1910	**1NA1 508-4WC00-0A.0**	1490	96.9	0,89	2100	13843	2,80	42.4	2200	930	11932	95.7	0,88	330	10791	93.0	0,87	155	10411	88.8	0,88
2160	1900	**1NA1 508-4WC00-0C.0**	1491	97.0	0,87	2150	13834	2,20	54.6	2200	930	11927	96.0	0,87	330	10786	93.3	0,87	155	10406	89.1	0,87
2350	2070	**1NA1 564-4WC00-0A.0**	1491	97.1	0,88	2300	15051	2,20	59.9	2000	1010	12974	96.0	0,88	360	11733	93.2	0,87	170	11320	88.8	0,88
2320	2050	**1NA1 564-4WC00-0C.0**	1491	97.1	0,87	2300	14859	1,90	79.4	2000	995	12811	96.1	0,87	355	11585	93.3	0,87	170	11177	88.7	0,87
2415	2130	**1NA1 566-4WC00-0A.0**	1491	97.1	0,89	2350	15467	2,20	66.7	2000	1035	13312	96.0	0,89	370	12039	93.2	0,88	175	11614	88.6	0,89
2400	2120	**1NA1 566-4WC00-0C.0**	1491	97.1	0,88	2350	15371	2,00	88.0	2000	1030	13252	96.0	0,88	370	11985	93.2	0,88	175	11563	88.6	0,89
2660	2340	**1NA1 568-4WC00-0A.0**	1492	97.2	0,90	2550	17025	2,60	73.4	2000	1140	14673	96.1	0,89	410	13269	93.4	0,89	195	12802	89.2	0,89
2655	2340	**1NA1 568-4WC00-0C.0**	1492	97.3	0,89	2550	16993	2,20	96.7	2000	1140	14625	96.2	0,89	410	13227	93.5	0,88	195	12760	89.2	0,89
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
240	210	**1NA1 311-6WC00-0AG0**	992	95.3	0,83	255	2310	2,70	5.8	3100	180	1908	94.9	0,80	120	1456	94.6	0,75	60	917	92.7	0,64
300	270	**1NA1 313-6WC00-0AG0**	993	95.5	0,84	315	2885	3,00	7.0	3100	225	2382	94.9	0,79	150	1818	94.5	0,74	75	1145	92.3	0,62
360	320	**1NA1 315-6WC00-0AG0**	993	95.6	0,84	375	3462	3,10	8.1	3100	270	2858	94.9	0,79	180	2181	94.5	0,73	90	1374	92.1	0,60
410	360	**1NA1 317-6WC00-0AG0**	992	95.6	0,85	420	3947	2,80	8.8	3100	305	3258	95.1	0,81	205	2486	94.8	0,76	100	1566	92.9	0,65
550	490	**1NA1 351-6WC00-0AG0**	992	95.8	0,85	570	5294	2,30	14.0	2000	410	4373	95.7	0,84	280	3337	95.6	0,81	135	2102	94.5	0,73
620	550	**1NA1 353-6WC00-0AG0**	992	95.8	0,86	630	5968	2,30	15.4	2000	460	4930	95.8	0,84	315	3762	95.7	0,82	155	2370	94.5	0,73
700	620	**1NA1 355-6WC00-0AG0**	992	95.9	0,86	710	6738	2,40	17.2	2000	520	5565	95.8	0,85	355	4247	95.8	0,82	175	2676	94.6	0,73
790	700	**1NA1 357-6WC00-0AG0**	993	96.0	0,86	800	7597	2,50	19.3	2000	590	6277	95.9	0,84	400	4791	95.7	0,81	195	3018	94.4	0,72
920	810	**1NA1 404-6WC00-0AG0**	992	95.9	0,88	910	8856	2,30	25.8	2400	395	7633	94.0	0,88	140	6903	89.6	0,87	65	6660	83.0	0,88
910	800	**1NA1 404-6WC00-0CG0**	991	95.8	0,87	910	8769	2,00	33.2	2400	390	7565	94.2	0,87	140	6842	89.5	0,87	65	6601	82.3	0,88
1050	930	**1NA1 406-6WC00-0AG0**	992	96.0	0,89	1020	10108	2,40	29.6	2400	450	8711	94.1	0,88	160	7878	89.9	0,88	75	7600	83.4	0,89
1020	900	**1NA1 406-6WC00-0CG0**	991	96.0	0,88	1020	9829	2,10	38.0	2400	435	8475	94.4	0,87	155	7664	90.0	0,87	75	7394	83.2	0,88
1150	1010	**1NA1 408-6WC00-0AG0**	992	96.1	0,89	1120	11070	2,80	33.5	2400	495	9541	94.2	0,88	175	8629	90.3	0,87	80	8325	84.3	0,88

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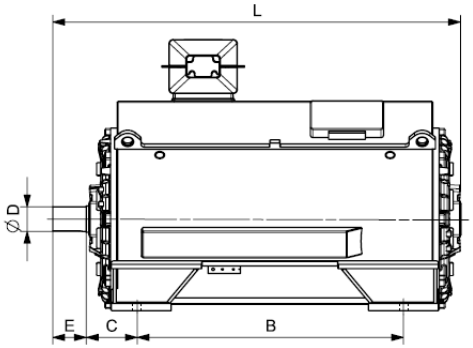
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1150	1010	**1NA1 408-6WC00-0CG0**	992	96.2	0,88	1140	11070	2,30	41.9	2400	495	9541	94.7	0,87	175	8629	90.8	0,87	80	8325	84.7	0,88
1200	1060	**1NA1 454-6WC00-0A.0**	991	96.1	0,86	1220	11563	2,20	39.5	2200	515	9968	94.4	0,85	185	9014	90.3	0,86	85	8697	83.7	0,87
1200	1060	**1NA1 454-6WC00-0C.0**	990	96.1	0,85	1220	11575	1,90	49.1	2200	515	9984	94.5	0,85	180	9029	90.1	0,85	85	8711	83.1	0,86
1360	1200	**1NA1 456-6WC00-0A.0**	992	96.4	0,87	1360	13092	2,60	45.8	2200	585	11284	94.7	0,85	210	10204	91.0	0,85	100	9845	85.2	0,86
1360	1200	**1NA1 456-6WC00-0C.0**	992	96.4	0,86	1380	13092	2,20	56.8	2200	585	11288	94.9	0,85	205	10208	91.2	0,86	95	9849	85.2	0,86
1550	1370	**1NA1 458-6WC00-0C.0**	992	96.6	0,86	1560	14921	2,20	67.0	2200	665	12863	95.2	0,86	235	11633	91.7	0,86	110	11223	86.1	0,87
1550	1370	**1NA1 458-6WC00-0A.0**	992	96.6	0,87	1540	14921	2,50	54.3	2200	665	12854	95.0	0,86	235	11625	91.6	0,86	110	11215	86.1	0,87
1680	1480	**1NA1 502-6WC00-0C.0**	990	96.3	0,83	1760	16205	1,40	67.5	2100	720	13969	95.1	0,86	255	12633	91.1	0,87	120	12188	84.7	0,88
1600	1410	**1NA1 502-6WC00-0A.0**	988	96.0	0,81	1720	15464	1,50	52.8	2100	685	13334	94.6	0,84	240	12059	90.2	0,86	110	11634	83.1	0,87
1670	1470	**1NA1 504-6WC00-0A.0**	988	96.0	0,83	1760	16141	1,60	59.7	2100	715	13915	94.6	0,86	255	12584	90.1	0,87	115	12140	83.1	0,88
1760	1550	**1NA1 504-6WC00-0C.0**	990	96.3	0,84	1820	16977	1,40	76.1	2100	755	14633	95.0	0,87	270	13234	90.9	0,88	125	12767	84.4	0,89
1900	1680	**1NA1 506-6WC00-0A.0**	989	96.3	0,84	1960	18345	1,70	67.3	2100	815	15811	94.8	0,86	290	14299	90.6	0,87	135	13795	84.2	0,88
2020	1780	**1NA1 506-6WC00-0C.0**	991	96.5	0,85	2050	19465	1,50	85.6	2100	865	16777	95.3	0,87	310	15172	91.5	0,88	145	14638	85.6	0,89
2205	1940	**1NA1 508-6WC00-0A.0**	990	96.5	0,86	2200	21269	1,90	76.4	2100	945	18295	95.0	0,86	335	16546	91.2	0,87	155	15962	85.4	0,88
2350	2070	**1NA1 508-6WC00-0C.0**	992	96.7	0,86	2350	22622	1,60	96.7	2100	1010	19490	95.5	0,87	360	17626	92.1	0,88	170	17005	86.7	0,89
2500	2200	**1NA1 564-6WC00-0C.0**	992	97.1	0,87	2500	24066	1,90	136.7	2000	1075	20731	95.9	0,88	380	18748	92.7	0,89	180	18088	87.7	0,90
2850	2510	**1NA1 566-6WC00-0C.0**	994	97.3	0,87	2800	27380	2,20	151.9	2000	1225	23606	96.2	0,88	435	21348	93.6	0,88	205	20596	89.5	0,89
3005	2650	**1NA1 568-6WC00-0C.0**	993	97.3	0,88	2950	28898	2,00	167.0	2000	1290	24869	96.1	0,88	460	22491	93.3	0,89	215	21698	88.9	0,90
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						
750	660	**1NA1 404-8WC00-0AG0**	740	95.0	0,84	790	9678	1,90	26.7	2400	320	8348	92.2	0,83	115	7550	85.6	0,83	50	7284	75.8	0,85
710	630	**1NA1 404-8WC00-0CG0**	738	94.9	0,82	760	9187	1,70	32.8	2400	305	7923	92.2	0,82	105	7165	85.2	0,81	50	6913	74.6	0,83
860	760	**1NA1 406-8WC00-0AG0**	742	95.4	0,84	900	11068	2,40	30.6	2400	370	9545	92.7	0,82	130	8632	87.0	0,81	60	8328	78.6	0,83
850	750	**1NA1 406-8WC00-0CG0**	740	95.3	0,82	910	10969	2,00	37.6	2400	365	9453	92.8	0,81	130	8549	86.8	0,81	60	8248	77.7	0,82
900	790	**1NA1 408-8WC00-0AG0**	741	95.4	0,85	930	11598	2,20	33.8	2400	385	9999	92.7	0,85	135	9042	86.9	0,84	65	8724	78.2	0,85
860	760	**1NA1 408-8WC00-0CG0**	740	95.3	0,84	900	11098	1,90	41.5	2400	370	9570	92.8	0,83	130	8654	86.8	0,82	60	8349	77.7	0,84
950	840	**1NA1 454-8WC00-0A.0**	740	95.3	0,80	1040	12259	1,80	40.0	2200	405	10568	92.9	0,80	145	9557	87.0	0,82	65	9220	78.1	0,83
920	810	**1NA1 454-8WC00-0C.0**	739	95.2	0,81	1000	11888	1,90	48.8	2200	395	10253	92.8	0,80	140	9273	86.5	0,81	65	8946	76.8	0,83
1060	940	**1NA1 456-8WC00-0A.0**	741	95.5	0,81	1140	13660	1,90	46.4	2200	455	11771	93.2	0,81	160	10645	87.7	0,82	75	10270	79.4	0,83
1050	930	**1NA1 456-8WC00-0C.0**	740	95.4	0,81	1140	13550	2,00	56.4	2200	450	11683	93.1	0,81	160	10566	87.2	0,82	70	10193	78.3	0,84
1300	1150	**1NA1 458-8WC00-0A.0**	742	95.9	0,81	1400	16731	2,10	54.9	2200	555	14421	93.8	0,80	195	13042	88.9	0,81	90	12582	81.6	0,82
1270	1120	**1NA1 458-8WC00-0C.0**	741	95.9	0,81	1360	16367	2,20	66.6	2200	545	14109	93.8	0,80	190	12759	88.8	0,81	90	12310	81.1	0,82
1400	1240	**1NA1 504-8WC00-0C.0**	741	95.7	0,84	1460	18042	1,60	75.7	2100	600	15545	94.1	0,84	210	14059	89.6	0,84	100	13563	82.4	0,85
1350	1190	**1NA1 504-8WC00-0A.0**	740	95.5	0,79	1500	17421	1,40	58.9	2100	580	15020	93.8	0,80	205	13583	88.9	0,80	95	13105	81.0	0,82
1600	1410	**1NA1 506-8WC00-0A.0**	742	95.9	0,80	1740	20591	1,70	66.4	2100	685	17755	94.2	0,80	245	16057	89.9	0,80	115	15491	83.0	0,81
1610	1420	**1NA1 506-8WC00-0C.0**	743	96.0	0,84	1680	20692	1,90	85.2	2100	690	17846	94.4	0,83	245	16139	90.5	0,83	115	15570	84.3	0,83

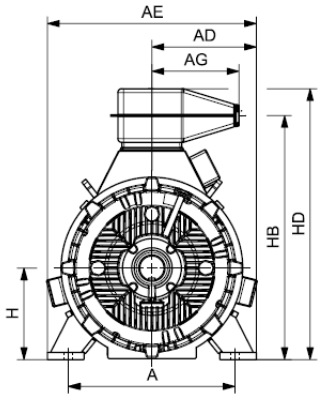
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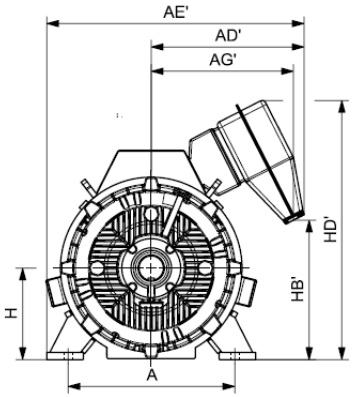
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - VSD const torque

Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1800	1590	**1NA1 508-8WC00-0C.0**	743	96.1	0,84	1860	23134	1,90	96.4	2100	770	19950	94.4	0,84	275	18042	90.7	0,83	130	17406	84.9	0,84
1800	1590	**1NA1 508-8WC00-0A.0**	742	96.0	0,80	1960	23165	1,60	75.3	2100	770	19975	94.3	0,80	275	18065	90.2	0,80	125	17428	83.6	0,81
1800	1590	**1NA1 562-8WC00-0C.0**	742	96.3	0,83	1880	23165	1,50	119.7	2000	770	19980	94.8	0,85	275	18069	90.7	0,86	125	17432	84.2	0,87
2080	1840	**1NA1 564-8WC00-0C.0**	741	96.2	0,82	2200	26805	1,40	136.4	2000	890	23110	94.8	0,85	315	20900	90.3	0,86	145	20163	83.4	0,87
2235	1970	**1NA1 566-8WC00-0C.0**	744	96.8	0,84	2300	28686	1,80	151.7	2000	955	24698	95.4	0,85	340	22336	92.0	0,85	160	21549	86.9	0,86
2500	2210	**1NA1 568-8WC00-0C.0**	743	96.6	0,84	2600	32131	1,60	167.0	2000	1070	27710	95.1	0,86	380	25060	91.4	0,86	175	24177	85.6	0,87

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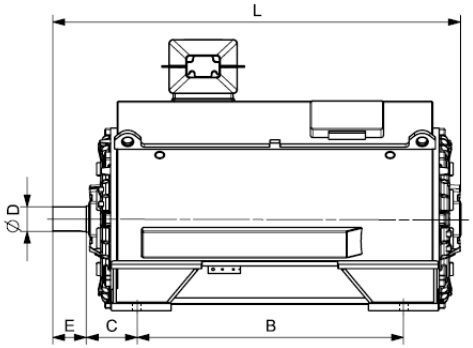


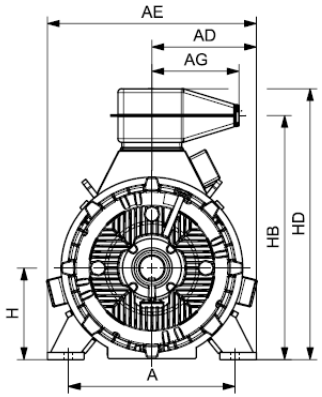


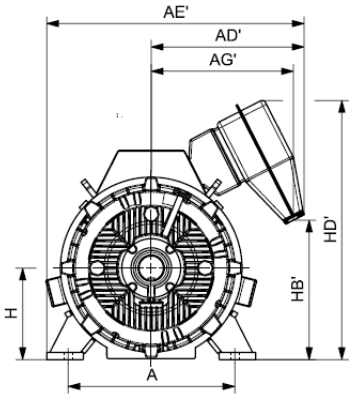


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WC00-0A.0	2600	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 402-2WC00-0C.0	2700	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC00-0A.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC00-0C.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC00-0A.0	2900	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC00-0C.0	3000	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC00-0A.0	3000	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC00-0C.0	3100	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 454-2WC00-0A.0	3700	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 454-2WC00-0C.0	3800	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 456-2WC00-0A.0	3900	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 456-2WC00-0C.0	4100	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 458-2WC00-0A.0	4100	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 458-2WC00-0C.0	4300	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 504-2WC00-0AJ0	4900	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 504-2WC00-0C.0	5100	950	371	870	936	1435	371	750	1320	280	110	165	500	1448	873	1613	1494	2049	o.r.
1NA1 506-2WC00-0AJ0	5300	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 506-2WC00-0C.0	5500	950	371	870	936	1435	371	750	1320	280	110	165	500	1448	873	1613	1494	2049	o.r.
1NA1 508-2WC00-0AJ0	5600	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 508-2WC00-0C.0	5800	950	371	870	936	1435	371	750	1320	280	110	165	500	1448	873	1613	1494	2049	o.r.
1NA1 566-2WC00-0C.0	7400	1060	380	903	1015	1538	371	782	1400	290	120	165	560	1584	998	1749	1619	2193	o.r.
1NA1 568-2WC00-0C.0	7800	1060	380	903	1015	1538	371	782	1400	290	120	165	560	1584	998	1749	1619	2193	o.r.
4-pole																			

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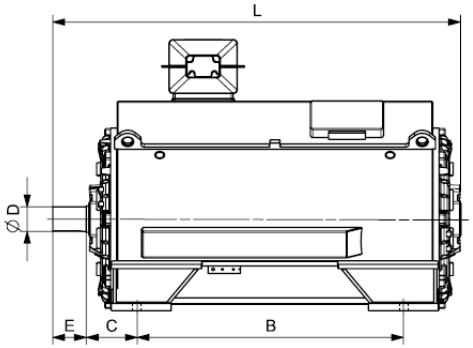


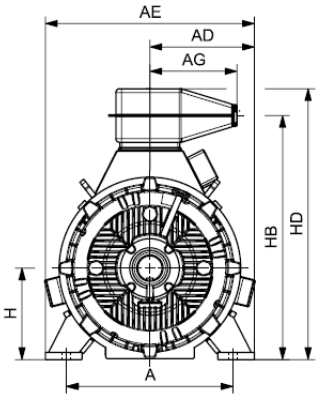


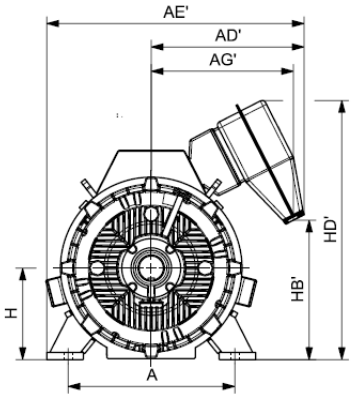


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 311-4WC00-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-4WC00-0AG0	1400	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-4WC00-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 317-4WC00-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-4WC00-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-4WC00-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-4WC00-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-4WC00-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-4WC00-0A.0	2800	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-4WC00-0C.0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC00-0A.0	3000	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC00-0C.0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC00-0A.0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC00-0C.0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-4WC00-0A.0	3800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-4WC00-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC00-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC00-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC00-0C.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC00-0A.0	4400	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-4WC00-0A.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-4WC00-0C.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC00-0A.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC00-0C.0	5800	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.

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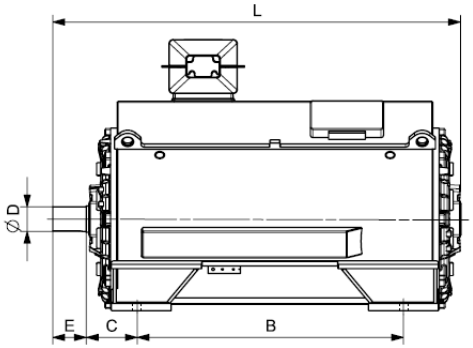


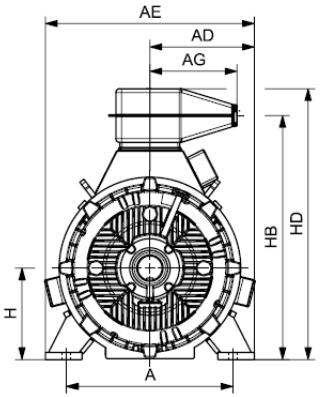


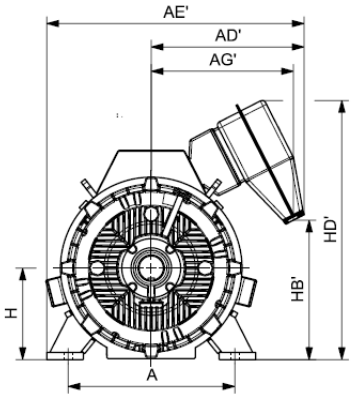


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4WC00-0A.0	6000	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-4WC00-0C.0	6300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-4WC00-0A.0	7000	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 564-4WC00-0C.0	7300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC00-0A.0	7400	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC00-0C.0	7800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC00-0A.0	7900	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC00-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
6-pole																			
1NA1 311-6WC00-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-6WC00-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-6WC00-0AG0	1600	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 317-6WC00-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-6WC00-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-6WC00-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-6WC00-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-6WC00-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-6WC00-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-6WC00-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC00-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC00-0CG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC00-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC00-0CG0	3600	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-6WC00-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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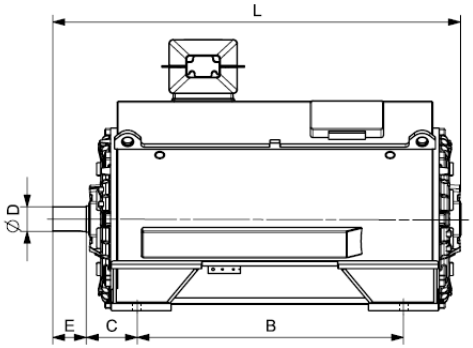


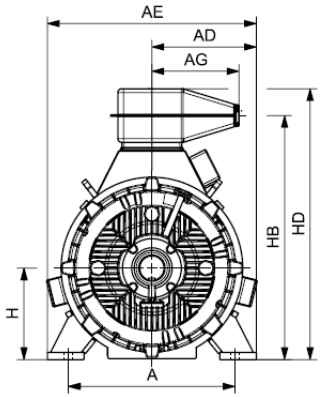


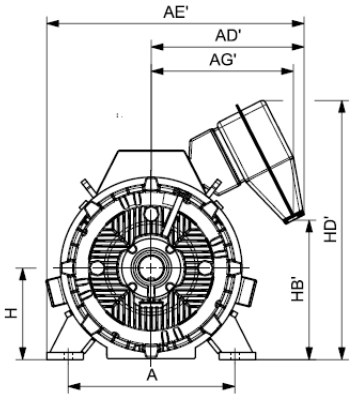


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 454-6WC00-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC00-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC00-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC00-0C.0	4800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC00-0A.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 502-6WC00-0C.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 502-6WC00-0A.0	4900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC00-0A.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC00-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC00-0A.0	5700	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC00-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC00-0A.0	6100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC00-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-6WC00-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-6WC00-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-6WC00-0C.0	8900	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
8-pole																			
1NA1 404-8WC00-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-8WC00-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC00-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC00-0CG0	3300	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC00-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC00-0CG0	3500	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-8WC00-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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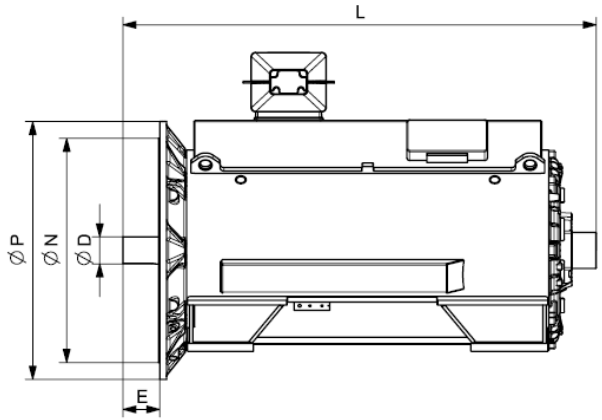


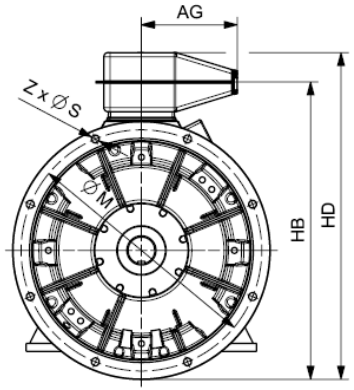




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 454-8WC00-0C.0	3800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC00-0A.0	4000	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC00-0C.0	4200	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC00-0A.0	4500	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC00-0C.0	4700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-8WC00-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-8WC00-0A.0	5200	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC00-0A.0	5600	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC00-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC00-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC00-0A.0	6100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 562-8WC00-0C.0	7100	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 564-8WC00-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-8WC00-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-8WC00-0C.0	8800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.

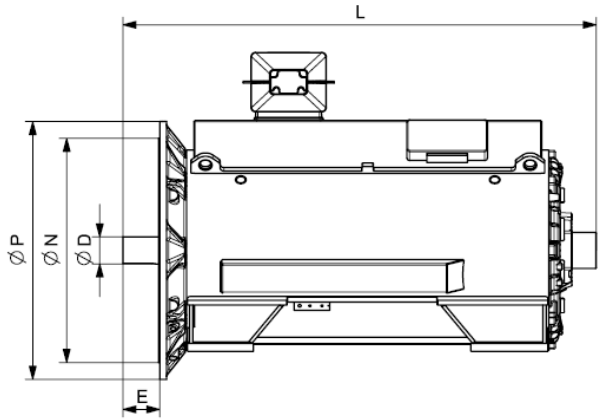
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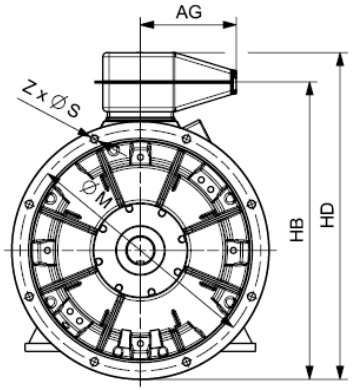




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 311-4WC08-0AG0	1300	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-4WC08-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-4WC08-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-4WC08-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-4WC08-0AG0	2100	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-4WC08-0AG0	2200	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-4WC08-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-4WC08-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-4WC08-0AG0	2900	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-4WC08-0CG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC08-0AG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC08-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC08-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC08-0CG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-4WC08-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WC08-0CG0	4100	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC08-0AG0	4300	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC08-0CG0	4500	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC08-0CG0	4800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC08-0AG0	4600	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WC08-0AG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WC08-0CG0	5500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16

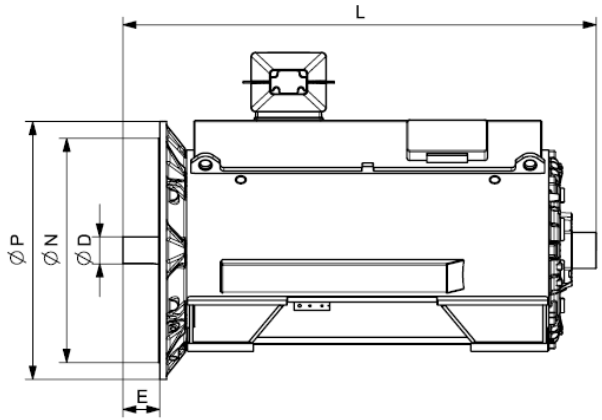
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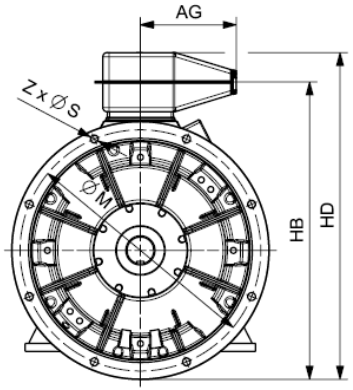




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 506-4WC08-0AG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WC08-0CG0	5900	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC08-0AG0	6200	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC08-0CG0	6500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-4WC08-0AG0	7200	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WC08-0CG0	7500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC08-0AG0	7700	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC08-0CG0	8000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC08-0AG0	8100	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC08-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 311-6WC08-0AG0	1400	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-6WC08-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-6WC08-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-6WC08-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-6WC08-0AG0	2000	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-6WC08-0AG0	2100	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-6WC08-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-6WC08-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-6WC08-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-6WC08-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC08-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC08-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

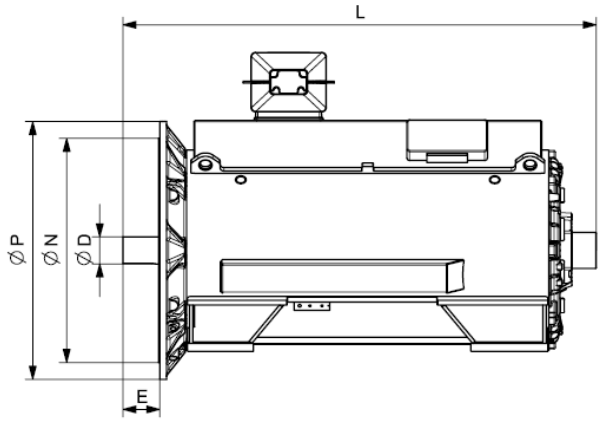
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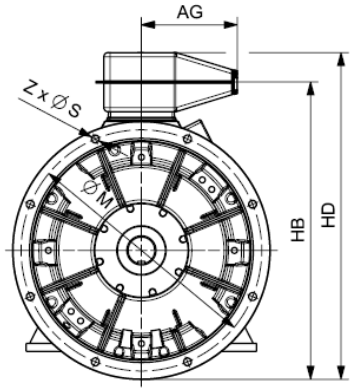




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 408-6WC08-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-6WC08-0CG0	3700	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-6WC08-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WC08-0CG0	4100	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC08-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC08-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC08-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC08-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WC08-0CG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WC08-0AG0	5100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC08-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC08-0CG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC08-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC08-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC08-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC08-0CG0	6600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WC08-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WC08-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WC08-0CG0	9100	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WC08-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-8WC08-0CG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-8WC08-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 406-8WC08-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC08-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC08-0CG0	3600	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-8WC08-0AG0	3800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WC08-0CG0	4000	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC08-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC08-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC08-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC08-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-8WC08-0CG0	5600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WC08-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC08-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC08-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC08-0CG0	6600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC08-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 562-8WC08-0CG0	7300	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 564-8WC08-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WC08-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WC08-0CG0	9000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
930	820	**1NA1 402-2WC10-0A.0**	3579	96.7	0,93	870	2481	3,20	10.0	3600	360	1931	96.3	0,91	120	1596	94.5	0,88	55	1485	91.4	0,88
930	820	**1NA1 402-2WC10-0C.0**	3580	96.6	0,93	870	2481	3,10	12.3	3600	360	1930	96.1	0,91	120	1596	94.3	0,88	55	1484	91.2	0,88
980	860	**1NA1 404-2WC10-0A.0**	3579	96.7	0,94	900	2615	3,60	11.0	3600	380	2034	96.3	0,92	125	1682	94.5	0,90	55	1565	91.4	0,90
980	860	**1NA1 404-2WC10-0C.0**	3580	96.6	0,94	900	2614	3,50	13.5	3600	380	2033	96.1	0,92	125	1681	94.3	0,90	55	1564	91.3	0,89
1000	880	**1NA1 406-2WC10-0A.0**	3581	96.7	0,95	910	2667	3,90	12.2	3600	390	2075	96.3	0,93	125	1715	94.5	0,90	60	1596	91.6	0,90
1000	880	**1NA1 406-2WC10-0C.0**	3582	96.7	0,94	920	2666	3,80	14.9	3600	390	2075	96.1	0,92	125	1716	94.3	0,90	60	1596	91.4	0,89
1100	970	**1NA1 408-2WC10-0A.0**	3583	97.0	0,94	1000	2932	4,40	13.0	3600	425	2282	96.5	0,91	140	1887	95.1	0,88	65	1755	92.7	0,88
1060	930	**1NA1 408-2WC10-0C.0**	3585	96.9	0,94	970	2824	4,40	15.9	3600	410	2198	96.4	0,91	135	1817	95.0	0,87	60	1690	92.7	0,87
1200	1060	**1NA1 454-2WC10-0AJ0**	3585	97.2	0,94	1100	3196	3,00	13.6	3600	465	2488	96.9	0,92	155	2057	95.4	0,91	70	1914	92.8	0,90
1200	1060	**1NA1 454-2WC10-0C.0**	3585	97.0	0,94	1100	3196	2,90	19.4	3600	465	2487	96.7	0,93	155	2056	95.3	0,91	70	1913	92.8	0,90
1280	1130	**1NA1 456-2WC10-0AJ0**	3582	97.2	0,94	1180	3412	2,70	15.1	3600	495	2654	96.8	0,94	165	2194	95.1	0,92	75	2041	92.2	0,92
1280	1130	**1NA1 456-2WC10-0C.0**	3583	97.0	0,94	1180	3411	2,60	21.3	3600	495	2654	96.7	0,94	165	2194	95.0	0,92	75	2041	92.2	0,92
1500	1320	**1NA1 458-2WC10-0C.0**	3587	97.4	0,95	1360	3993	3,40	23.0	3600	585	3109	96.9	0,93	190	2571	95.7	0,91	90	2391	93.7	0,90
1840	1620	**1NA1 504-2WC10-0CJ0**	3583	96.9	0,90	1760	4904	2,50	29.2	3600	715	3816	96.3	0,91	235	3156	94.6	0,90	110	2935	92.0	0,90
2240	1970	**1NA1 506-2WC10-0CJ0**	3586	97.2	0,91	2100	5965	2,90	33.0	3600	870	4642	96.5	0,91	285	3838	95.1	0,89	130	3570	92.9	0,89
2300	2030	**1NA1 508-2WC10-0CJ0**	3587	97.3	0,91	2150	6123	3,20	36.0	3600	895	4764	96.5	0,91	295	3939	95.2	0,89	135	3664	93.1	0,89
2580	2270	**1NA1 566-2WC10-0CJ0**	3589	97.1	0,92	2400	6865	2,80	54.6	3600	1000	5341	96.6	0,91	330	4416	95.2	0,90	150	4108	93.1	0,90
2900	2550	**1NA1 568-2WC10-0CJ0**	3592	97.2	0,92	2700	7710	3,60	59.3	3600	1125	5997	96.4	0,90	370	4959	95.1	0,88	170	4612	93.2	0,88
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
320	280	**1NA1 311-4WC10-0AG0**	1787	95.8	0,86	325	1710	3,80	3.6	3300	240	1412	95.9	0,83	160	1077	94.8	0,77	80	679	92.7	0,65
420	370	**1NA1 313-4WC10-0AG0**	1786	96.0	0,88	415	2246	3,90	4.5	3300	320	1852	96.1	0,84	210	1414	94.8	0,79	105	891	92.7	0,68
490	430	**1NA1 315-4WC10-0AG0**	1788	96.1	0,87	490	2617	4,40	5.1	3300	370	2159	96.2	0,83	245	1648	94.6	0,77	125	1038	92.1	0,64
580	510	**1NA1 317-4WC10-0AG0**	1787	96.2	0,89	570	3099	4,10	5.8	3300	440	2557	96.3	0,86	295	1952	94.9	0,80	145	1229	92.6	0,70
620	540	**1NA1 351-4WC10-0AG0**	1788	96.3	0,90	600	3311	3,20	7.9	2400	470	2734	96.6	0,88	315	2086	95.4	0,85	155	1314	93.7	0,76
680	590	**1NA1 353-4WC10-0AG0**	1791	96.3	0,87	680	3626	4,40	8.6	2400	515	2996	96.4	0,82	345	2286	94.6	0,77	170	1440	91.9	0,63
750	660	**1NA1 355-4WC10-0AG0**	1789	96.5	0,90	720	4003	3,70	9.5	2400	570	3306	96.7	0,87	380	2523	95.3	0,84	190	1589	93.3	0,74
880	770	**1NA1 357-4WC10-0AG0**	1789	96.5	0,90	850	4697	3,70	10.8	2400	665	3879	96.7	0,88	445	2960	95.3	0,85	220	1865	93.4	0,75
1100	970	**1NA1 404-4WC10-0A.0**	1789	96.6	0,90	1060	5872	2,70	15.6	2600	470	5061	95.2	0,89	170	4577	92.4	0,88	80	4416	88.0	0,89
1070	940	**1NA1 404-4WC10-0C.0**	1787	96.6	0,89	1040	5718	2,50	19.8	2600	460	4928	95.3	0,88	165	4457	92.5	0,88	75	4300	87.7	0,88
1200	1060	**1NA1 406-4WC10-0A.0**	1790	96.7	0,90	1160	6402	3,00	17.4	2600	515	5517	95.3	0,89	185	4990	92.8	0,88	85	4814	88.7	0,88
1200	1060	**1NA1 406-4WC10-0C.0**	1788	96.7	0,89	1160	6409	2,60	22.0	2600	515	5522	95.5	0,89	185	4994	92.9	0,88	85	4818	88.5	0,88
1300	1150	**1NA1 408-4WC10-0A.0**	1791	96.8	0,91	1240	6931	3,30	19.7	2600	560	5974	95.3	0,89	200	5403	93.1	0,88	95	5212	89.5	0,88
1300	1150	**1NA1 408-4WC10-0C.0**	1789	96.9	0,90	1240	6939	2,90	24.9	2600	560	5978	95.6	0,89	200	5406	93.3	0,88	95	5216	89.5	0,88
1510	1330	**1NA1 454-4WC10-0C.0**	1790	96.9	0,89	1460	8056	2,50	33.9	2400	650	6943	95.9	0,88	230	6279	93.4	0,87	110	6057	89.5	0,87

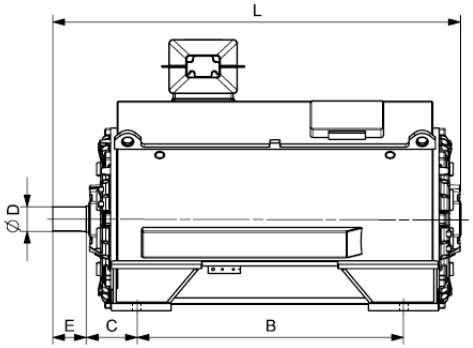
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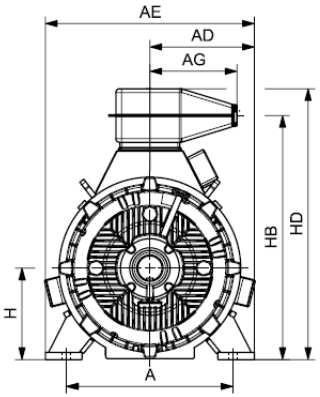
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1550	1370	**1NA1 454-4WC10-0A.0**	1790	96.9	0,90	1480	8269	2,70	26.4	2400	665	7126	95.8	0,89	240	6445	93.3	0,88	115	6218	89.3	0,88
1700	1500	**1NA1 456-4WC10-0C.0**	1790	97.1	0,90	1620	9069	2,50	39.0	2400	730	7815	96.1	0,89	260	7068	93.8	0,88	125	6819	90.0	0,88
1700	1500	**1NA1 456-4WC10-0A.0**	1790	97.1	0,91	1600	9069	2,80	30.4	2400	730	7816	96.0	0,90	260	7069	93.7	0,88	125	6819	90.0	0,89
1850	1630	**1NA1 458-4WC10-0C.0**	1791	97.2	0,89	1780	9864	2,60	42.8	2400	795	8501	96.3	0,88	285	7688	94.3	0,87	135	7417	90.9	0,87
1850	1630	**1NA1 458-4WC10-0A.0**	1791	97.2	0,90	1760	9864	2,90	33.5	2400	795	8502	96.2	0,89	285	7689	94.1	0,88	135	7418	90.8	0,88
1810	1600	**1NA1 504-4WC10-0A.0**	1788	96.5	0,88	1780	9667	2,30	32.5	2200	775	8334	95.5	0,89	280	7537	92.7	0,88	130	7271	88.2	0,88
1780	1570	**1NA1 504-4WC10-0C.0**	1789	96.6	0,87	1780	9501	1,90	42.4	2200	765	8189	95.6	0,87	275	7406	92.9	0,87	130	7145	88.4	0,87
2170	1910	**1NA1 506-4WC10-0A.0**	1790	96.8	0,88	2150	11577	2,50	37.1	2200	930	9981	95.7	0,88	335	9027	93.3	0,87	160	8709	89.5	0,88
2160	1900	**1NA1 506-4WC10-0C.0**	1790	96.9	0,87	2150	11523	2,00	48.0	2200	930	9928	95.9	0,87	330	8978	93.6	0,86	155	8662	89.8	0,87
2260	1990	**1NA1 508-4WC10-0A.0**	1790	96.9	0,90	2150	12057	2,70	42.4	2200	970	10393	95.7	0,90	345	9399	93.3	0,89	165	9068	89.5	0,89
2250	1980	**1NA1 508-4WC10-0C.0**	1791	96.9	0,88	2200	11997	2,10	54.6	2200	965	10345	95.9	0,88	345	9355	93.6	0,88	165	9026	89.8	0,88
2550	2250	**1NA1 564-4WC10-0A.0**	1791	97.1	0,88	2500	13596	2,30	59.9	2000	1095	11713	96.2	0,88	395	10593	93.8	0,87	185	10220	89.9	0,88
2520	2220	**1NA1 564-4WC10-0C.0**	1791	97.1	0,87	2500	13436	2,00	79.4	2000	1085	11577	96.2	0,87	390	10470	93.8	0,86	185	10101	89.9	0,87
2620	2310	**1NA1 566-4WC10-0A.0**	1791	97.1	0,89	2550	13969	2,30	66.7	2000	1125	12041	96.2	0,89	405	10890	93.8	0,88	190	10506	89.8	0,89
2620	2310	**1NA1 566-4WC10-0C.0**	1791	97.1	0,88	2550	13969	2,00	88.0	2000	1125	12039	96.2	0,88	405	10888	93.7	0,88	190	10504	89.7	0,88
3000	2640	**1NA1 568-4WC10-0C.0**	1793	97.3	0,90	2850	15978	2,60	96.7	2000	1290	13769	96.3	0,89	465	12452	94.1	0,88	220	12014	90.6	0,88
3000	2640	**1NA1 568-4WC10-0A.0**	1793	97.2	0,90	2850	15978	3,00	73.4	2000	1290	13769	96.1	0,89	465	12452	94.0	0,88	220	12014	90.5	0,88
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
280	250	**1NA1 311-6WC10-0AG0**	1192	95.5	0,84	290	2243	2,80	5.8	3100	210	1852	95.7	0,80	140	1414	94.4	0,76	70	891	92.2	0,65
340	300	**1NA1 313-6WC10-0AG0**	1193	95.8	0,84	355	2722	3,10	7.0	3100	255	2246	95.9	0,79	170	1714	94.2	0,74	85	1080	91.6	0,62
400	350	**1NA1 315-6WC10-0AG0**	1192	95.8	0,86	405	3204	2,60	8.1	3100	305	2646	96.1	0,83	200	2020	94.9	0,80	100	1272	92.9	0,71
600	520	**1NA1 351-6WC10-0AG0**	1193	96.1	0,86	610	4803	2,60	14.0	2000	455	3966	96.5	0,83	305	3027	95.4	0,79	150	1907	93.7	0,69
660	580	**1NA1 353-6WC10-0AG0**	1193	96.1	0,86	670	5283	2,40	15.4	2000	500	4364	96.5	0,85	335	3331	95.6	0,82	165	2098	94.1	0,73
750	660	**1NA1 355-6WC10-0AG0**	1193	96.2	0,87	750	6003	2,40	17.2	2000	570	4959	96.6	0,85	380	3785	95.8	0,83	190	2384	94.3	0,75
850	740	**1NA1 357-6WC10-0AG0**	1193	96.4	0,87	850	6804	2,60	19.3	2000	645	5618	96.7	0,84	430	4287	95.7	0,81	215	2701	94.0	0,72
1050	930	**1NA1 404-6WC10-0AG0**	1192	96.1	0,88	1040	8412	2,20	25.8	2400	450	7254	94.3	0,88	160	6560	90.5	0,88	75	6329	84.6	0,89
1020	900	**1NA1 404-6WC10-0CG0**	1190	96.1	0,87	1020	8185	1,90	33.2	2400	435	7053	94.6	0,87	155	6378	90.6	0,87	75	6154	84.3	0,88
1160	1020	**1NA1 406-6WC10-0AG0**	1192	96.3	0,89	1140	9293	2,40	29.6	2400	500	8006	94.5	0,88	180	7241	91.1	0,88	85	6986	85.9	0,89
1150	1010	**1NA1 406-6WC10-0CG0**	1191	96.3	0,87	1140	9221	2,10	38.0	2400	495	7949	94.9	0,87	175	7189	91.3	0,87	85	6935	85.6	0,88
1300	1150	**1NA1 408-6WC10-0AG0**	1193	96.4	0,89	1260	10406	2,90	33.5	2400	560	8970	94.5	0,87	200	8112	91.4	0,87	95	7826	86.7	0,87
1320	1160	**1NA1 408-6WC10-0CG0**	1193	96.6	0,88	1300	10566	2,40	41.9	2400	565	9110	95.1	0,87	200	8239	92.0	0,87	95	7948	87.2	0,87
1360	1200	**1NA1 454-6WC10-0A.0**	1192	96.5	0,86	1380	10895	2,40	39.5	2200	585	9396	94.8	0,85	210	8497	91.6	0,85	100	8198	86.4	0,86
1360	1200	**1NA1 454-6WC10-0C.0**	1191	96.5	0,86	1380	10904	2,10	49.1	2200	585	9401	95.0	0,85	210	8502	91.7	0,85	100	8202	86.3	0,86
1550	1370	**1NA1 456-6WC10-0C.0**	1191	96.7	0,86	1560	12428	2,10	56.8	2200	665	10710	95.3	0,85	235	9686	92.2	0,86	110	9344	87.3	0,86
1550	1370	**1NA1 456-6WC10-0A.0**	1192	96.7	0,87	1540	12417	2,40	45.8	2200	665	10706	95.1	0,86	240	9683	92.1	0,86	110	9341	87.3	0,86

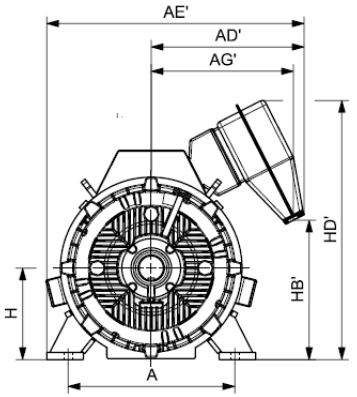
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SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1750	1540	**1NA1 458-6WC10-0C.0**	1191	96.8	0,87	1740	14031	2,00	67.0	2200	750	12098	95.3	0,86	270	10941	92.1	0,87	125	10556	87.1	0,87
1750	1540	**1NA1 458-6WC10-0A.0**	1192	96.7	0,88	1720	14020	2,30	54.3	2200	750	12088	95.1	0,87	270	10932	92.1	0,87	125	10547	87.2	0,88
1850	1630	**1NA1 502-6WC10-0A.0**	1187	96.3	0,81	1980	14883	1,50	52.8	2100	795	12826	95.0	0,84	280	11600	91.3	0,86	130	11191	85.5	0,87
1950	1720	**1NA1 502-6WC10-0C.0**	1190	96.6	0,83	2050	15648	1,40	67.5	2100	835	13494	95.5	0,86	300	12203	92.1	0,87	140	11773	86.6	0,88
2160	1910	**1NA1 504-6WC10-0A.0**	1189	96.6	0,83	2250	17348	1,70	59.7	2100	925	14953	95.2	0,85	330	13523	91.8	0,86	155	13046	86.2	0,86
2270	2000	**1NA1 504-6WC10-0C.0**	1191	96.8	0,85	2300	18201	1,50	76.1	2100	975	15684	95.7	0,86	350	14184	92.6	0,87	165	13684	87.7	0,88
2200	1940	**1NA1 506-6WC10-0A.0**	1190	96.6	0,85	2250	17654	1,70	67.3	2100	945	15221	95.2	0,86	335	13766	91.8	0,87	155	13280	86.4	0,87
2350	2070	**1NA1 506-6WC10-0C.0**	1192	96.8	0,85	2400	18826	1,50	85.6	2100	1010	16233	95.6	0,87	360	14681	92.5	0,88	170	14163	87.6	0,89
2605	2290	**1NA1 508-6WC10-0A.0**	1191	96.9	0,85	2650	20887	1,90	76.4	2100	1115	17987	95.4	0,86	395	16267	92.5	0,87	185	15693	88.0	0,87
2770	2440	**1NA1 508-6WC10-0C.0**	1193	97.1	0,86	2800	22172	1,70	96.7	2100	1190	19116	96.0	0,87	425	17288	93.3	0,88	200	16679	89.2	0,88
2840	2500	**1NA1 564-6WC10-0C.0**	1194	97.4	0,87	2800	22714	2,20	136.7	2000	1220	19584	96.1	0,88	435	17712	93.9	0,89	205	17087	90.3	0,89
2915	2570	**1NA1 566-6WC10-0C.0**	1193	97.3	0,87	2900	23333	2,10	151.9	2000	1250	20074	96.1	0,88	445	18154	93.7	0,89	210	17514	90.0	0,90
3110	2740	**1NA1 568-6WC10-0C.0**	1194	97.4	0,88	3050	24873	2,30	167.0	2000	1335	21434	96.1	0,88	480	19384	93.8	0,89	225	18701	90.3	0,89
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						
850	750	**1NA1 404-8WC10-0AG0**	890	95.4	0,85	880	9120	1,90	26.7	2400	365	7870	92.8	0,84	130	7118	87.0	0,84	60	6867	78.4	0,85
800	710	**1NA1 404-8WC10-0CG0**	888	95.2	0,82	860	8603	1,70	32.8	2400	340	7416	92.8	0,83	120	6707	86.7	0,82	55	6471	77.4	0,83
920	810	**1NA1 406-8WC10-0AG0**	891	95.6	0,85	950	9860	2,10	30.6	2400	395	8501	93.0	0,85	140	7688	87.8	0,84	65	7417	80.1	0,85
900	790	**1NA1 406-8WC10-0CG0**	889	95.5	0,83	950	9667	1,80	37.6	2400	385	8334	93.0	0,83	135	7537	87.5	0,82	65	7271	79.2	0,84
1010	890	**1NA1 408-8WC10-0AG0**	891	95.8	0,85	1040	10825	2,10	33.8	2400	435	9334	93.3	0,85	155	8442	88.4	0,84	70	8144	80.9	0,85
1000	880	**1NA1 408-8WC10-0CG0**	889	95.7	0,84	1040	10742	1,80	41.5	2400	430	9262	93.3	0,83	150	8376	87.9	0,83	70	8081	79.8	0,84
1050	930	**1NA1 454-8WC10-0A.0**	890	95.6	0,80	1140	11266	1,70	40.0	2200	450	9711	93.4	0,81	160	8782	88.3	0,82	75	8473	80.4	0,83
1020	900	**1NA1 454-8WC10-0C.0**	888	95.5	0,80	1120	10969	1,80	48.8	2200	435	9460	93.4	0,81	155	8556	87.9	0,82	70	8254	79.1	0,82
1300	1150	**1NA1 456-8WC10-0A.0**	892	96.1	0,80	1420	13917	2,00	46.4	2200	555	12000	94.0	0,80	200	10853	89.8	0,80	90	10470	83.3	0,81
1300	1150	**1NA1 456-8WC10-0C.0**	890	96.0	0,80	1420	13948	2,00	56.4	2200	555	12023	94.0	0,80	195	10873	89.5	0,80	90	10490	82.4	0,82
1450	1280	**1NA1 458-8WC10-0C.0**	890	96.1	0,81	1560	15558	2,00	66.6	2200	620	13410	93.9	0,81	220	12128	89.4	0,82	100	11700	82.5	0,83
1460	1290	**1NA1 458-8WC10-0A.0**	892	96.2	0,82	1540	15630	1,90	54.9	2200	625	13484	93.9	0,82	220	12195	89.7	0,82	105	11765	83.2	0,83
1600	1410	**1NA1 504-8WC10-0A.0**	891	96.0	0,79	1760	17148	1,50	58.9	2100	685	14784	94.4	0,80	245	13370	90.5	0,80	115	12899	84.3	0,81
1600	1410	**1NA1 504-8WC10-0C.0**	892	96.1	0,84	1660	17129	1,80	75.7	2100	685	14767	94.5	0,84	245	13354	91.1	0,83	115	12884	85.6	0,84
1805	1590	**1NA1 506-8WC10-0C.0**	893	96.2	0,84	1860	19302	1,80	85.2	2100	775	16611	94.6	0,84	275	15022	91.3	0,83	130	14493	86.1	0,84
1800	1590	**1NA1 506-8WC10-0A.0**	891	96.1	0,79	1980	19292	1,50	66.4	2100	770	16633	94.5	0,80	275	15042	90.8	0,80	130	14512	84.9	0,81
2000	1760	**1NA1 508-8WC10-0A.0**	892	96.2	0,80	2150	21411	1,60	75.3	2100	860	18468	94.7	0,81	305	16702	91.0	0,81	140	16113	85.2	0,82
2100	1850	**1NA1 508-8WC10-0C.0**	892	96.2	0,84	2150	22482	1,60	96.4	2100	900	19390	94.7	0,84	320	17536	91.1	0,84	150	16917	85.3	0,85
2285	2010	**1NA1 564-8WC10-0C.0**	894	96.8	0,84	2350	24407	1,80	136.4	2000	980	21016	95.4	0,85	350	19006	92.4	0,85	165	18336	87.9	0,86
2530	2230	**1NA1 566-8WC10-0C.0**	894	97.0	0,84	2600	27024	2,10	151.7	2000	1085	23288	95.4	0,84	390	21061	92.8	0,84	185	20319	88.9	0,84
2800	2470	**1NA1 568-8WC10-0C.0**	893	96.9	0,84	2900	29942	1,70	167.0	2000	1200	25815	95.5	0,85	430	23346	92.4	0,86	200	22523	87.5	0,87

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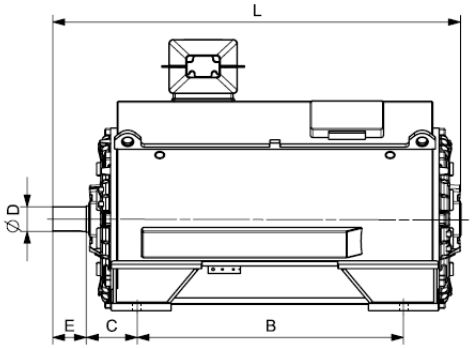


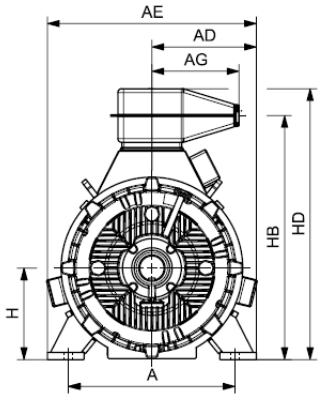


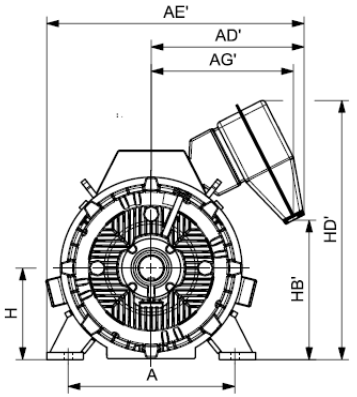


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 402-2WC10-0A.0	2600	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 402-2WC10-0C.0	2700	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC10-0A.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 404-2WC10-0C.0	2800	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC10-0A.0	2900	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 406-2WC10-0C.0	3000	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC10-0A.0	3100	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 408-2WC10-0C.0	3200	750	356	726	806	1176	356	529	1120	254	85	130	400	1044	583	1258	1225	1700	o.r.
1NA1 454-2WC10-0AJ0	3700	850	356	754	871	1269	356	563	1250	450	95	130	450	1155	699	1369	1336	2145	o.r.
1NA1 454-2WC10-0C.0	3800	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 456-2WC10-0AJ0	3900	850	356	754	871	1269	356	563	1250	450	95	130	450	1155	699	1369	1336	2145	o.r.
1NA1 456-2WC10-0C.0	4000	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 458-2WC10-0C.0	4200	850	356	754	871	1269	356	563	1250	254	95	130	450	1155	699	1369	1336	1900	o.r.
1NA1 504-2WC10-0CJ0	5100	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 506-2WC10-0CJ0	5500	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 508-2WC10-0CJ0	5800	950	371	870	936	1435	371	750	1320	475	110	165	500	1448	873	1613	1494	2290	o.r.
1NA1 566-2WC10-0CJ0	7100	1060	380	903	1015	1538	371	782	1400	560	120	165	560	1584	998	1749	1619	2577	o.r.
1NA1 568-2WC10-0CJ0	7400	1060	380	903	1015	1538	371	782	1400	560	120	165	560	1584	998	1749	1619	2577	o.r.
4-pole																			
1NA1 311-4WC10-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-4WC10-0AG0	1400	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-4WC10-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 317-4WC10-0AG0	1700	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.

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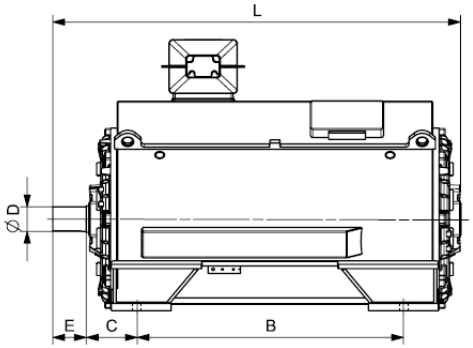


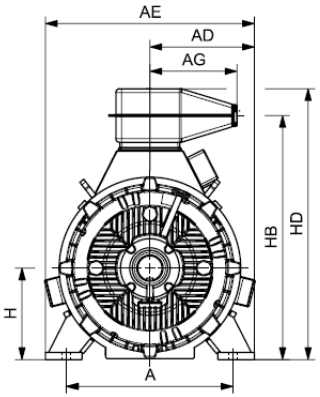


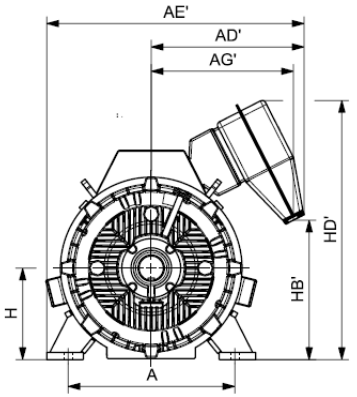


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 351-4WC10-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-4WC10-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-4WC10-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-4WC10-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-4WC10-0A.0	2800	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-4WC10-0C.0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC10-0A.0	3000	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-4WC10-0C.0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC10-0A.0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-4WC10-0C.0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-4WC10-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-4WC10-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC10-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-4WC10-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC10-0C.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-4WC10-0A.0	4400	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 504-4WC10-0A.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-4WC10-0C.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC10-0A.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-4WC10-0C.0	5800	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-4WC10-0A.0	6000	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-4WC10-0C.0	6300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-4WC10-0A.0	6900	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 564-4WC10-0C.0	7200	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.

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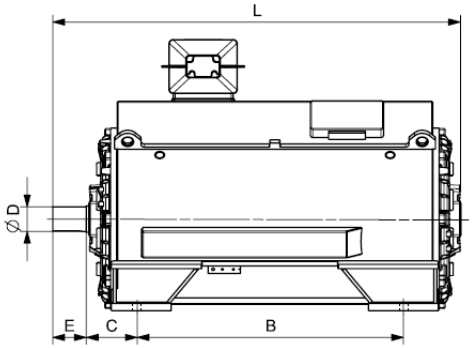


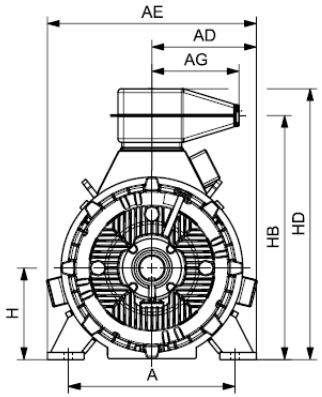


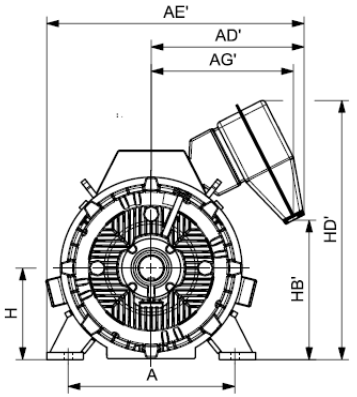


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 566-4WC10-0A.0	7400	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-4WC10-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC10-0C.0	8200	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-4WC10-0A.0	7800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
6-pole																			
1NA1 311-6WC10-0AG0	1300	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 313-6WC10-0AG0	1500	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 315-6WC10-0AG0	1600	560	356	510	696	850	356	306	850	180	85	130	315	876	-274	1090	770	1333	o.r.
1NA1 351-6WC10-0AG0	2000	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 353-6WC10-0AG0	2100	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 355-6WC10-0AG0	2200	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 357-6WC10-0AG0	2400	630	356	738	746	1128	356	544	1000	200	95	130	355	936	481	1150	1121	1546	o.r.
1NA1 404-6WC10-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-6WC10-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC10-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-6WC10-0CG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC10-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-6WC10-0CG0	3600	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-6WC10-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-6WC10-0C.0	3900	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC10-0C.0	4300	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-6WC10-0A.0	4100	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC10-0C.0	4800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-6WC10-0A.0	4600	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

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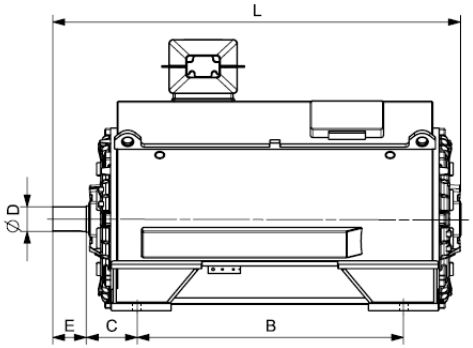


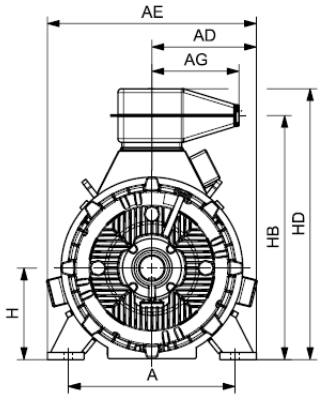


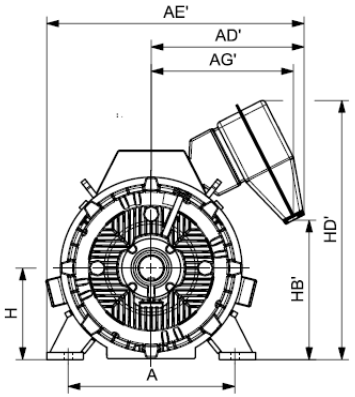


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 502-6WC10-0A.0	4900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 502-6WC10-0C.0	5100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC10-0A.0	5300	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-6WC10-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC10-0A.0	5600	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-6WC10-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC10-0A.0	6200	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-6WC10-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-6WC10-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-6WC10-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-6WC10-0C.0	8800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
8-pole																			
1NA1 404-8WC10-0AG0	2900	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 404-8WC10-0CG0	3100	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC10-0AG0	3200	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 406-8WC10-0CG0	3300	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC10-0AG0	3400	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 408-8WC10-0CG0	3500	750	356	726	806	1176	356	529	1120	254	110	165	400	1044	583	1258	1225	1735	o.r.
1NA1 454-8WC10-0A.0	3700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 454-8WC10-0C.0	3800	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC10-0A.0	4000	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 456-8WC10-0C.0	4200	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC10-0C.0	4700	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.
1NA1 458-8WC10-0A.0	4500	850	356	754	871	1269	356	563	1250	280	120	165	450	1155	699	1369	1336	2030	o.r.

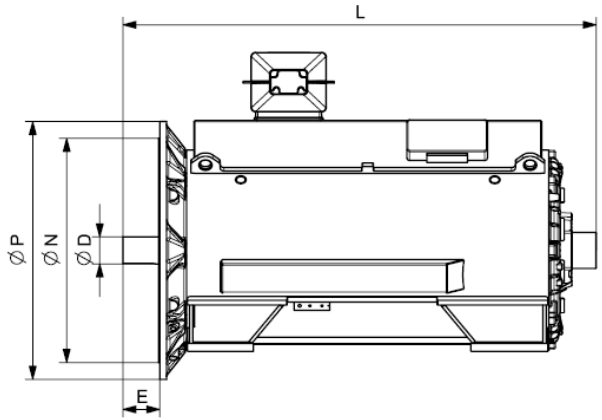
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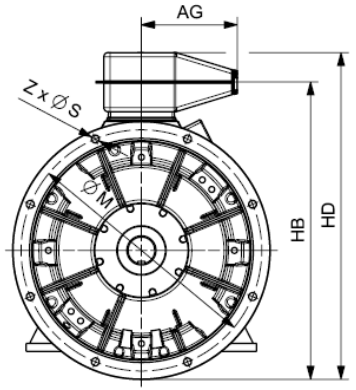






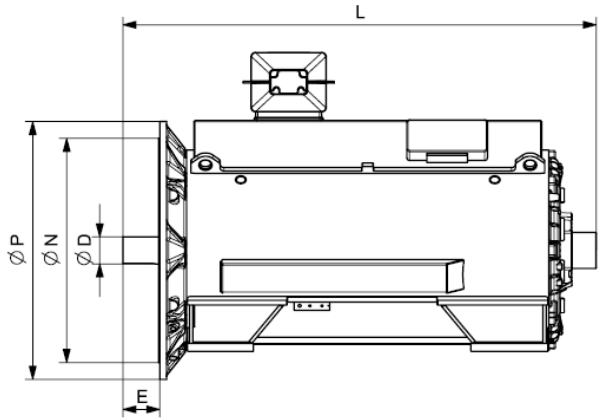
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 504-8WC10-0A.0	5200	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 504-8WC10-0C.0	5500	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC10-0C.0	5900	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 506-8WC10-0A.0	5600	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC10-0A.0	6100	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 508-8WC10-0C.0	6400	950	371	870	936	1435	371	750	1320	315	140	200	500	1448	873	1613	1494	2175	o.r.
1NA1 564-8WC10-0C.0	7700	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 566-8WC10-0C.0	8300	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.
1NA1 568-8WC10-0C.0	8800	1060	380	903	1015	1538	371	782	1400	335	160	240	560	1584	998	1749	1619	2346	o.r.

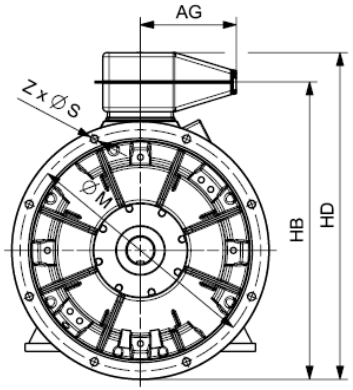




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 311-4WC18-0AG0	1300	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-4WC18-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-4WC18-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 317-4WC18-0AG0	1700	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-4WC18-0AG0	2100	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-4WC18-0AG0	2200	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-4WC18-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-4WC18-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-4WC18-0AG0	2900	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-4WC18-0CG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC18-0AG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-4WC18-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC18-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-4WC18-0CG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-4WC18-0CG0	4100	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WC18-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC18-0CG0	4500	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WC18-0AG0	4300	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC18-0CG0	4800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WC18-0AG0	4500	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WC18-0AG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WC18-0CG0	5500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16

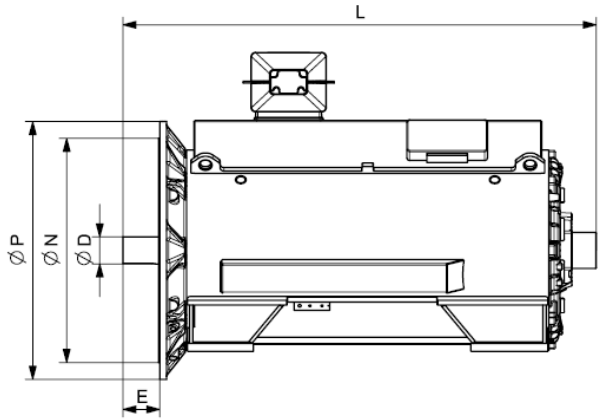
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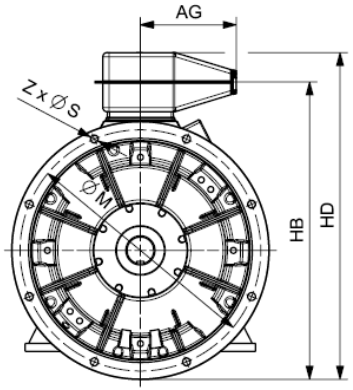




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 506-4WC18-0AG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WC18-0CG0	5900	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC18-0AG0	6200	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WC18-0CG0	6400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-4WC18-0AG0	7100	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WC18-0CG0	7400	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC18-0AG0	7600	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WC18-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC18-0CG0	8400	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WC18-0AG0	8000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 311-6WC18-0AG0	1400	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 313-6WC18-0AG0	1500	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 315-6WC18-0AG0	1600	756	356	85	961	1175	1333	o.r.	740	680	800	22	8
1NA1 351-6WC18-0AG0	2000	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 353-6WC18-0AG0	2200	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 355-6WC18-0AG0	2300	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 357-6WC18-0AG0	2500	806	356	95	1031	1245	1546	o.r.	840	780	900	22	8
1NA1 404-6WC18-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-6WC18-0CG0	3200	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC18-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-6WC18-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-6WC18-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

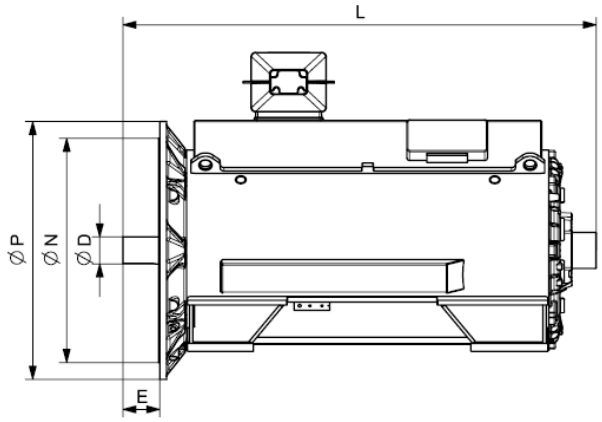
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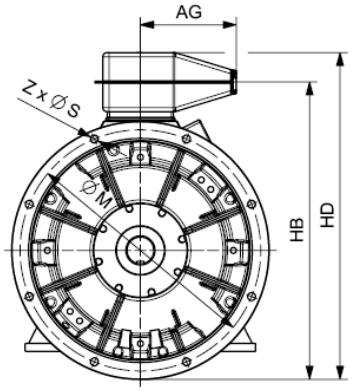




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 408-6WC18-0CG0	3700	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-6WC18-0AG0	3900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-6WC18-0CG0	4000	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC18-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WC18-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC18-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WC18-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WC18-0AG0	5100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WC18-0CG0	5300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC18-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WC18-0CG0	5700	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC18-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WC18-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC18-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WC18-0CG0	6600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WC18-0CG0	8000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WC18-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WC18-0CG0	9000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 404-8WC18-0AG0	3000	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 404-8WC18-0CG0	3100	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-8WC18-0AG0	3300	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 406-8WC18-0CG0	3400	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 408-8WC18-0AG0	3500	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 408-8WC18-0CG0	3600	856	356	110	1144	1358	1735	o.r.	940	880	1000	22	8
1NA1 454-8WC18-0AG0	3800	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WC18-0CG0	4000	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC18-0AG0	4200	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WC18-0CG0	4400	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC18-0CG0	4900	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WC18-0AG0	4700	931	356	120	1280	1494	2030	o.r.	1080	1000	1150	26	8
1NA1 504-8WC18-0AG0	5400	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WC18-0CG0	5600	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC18-0CG0	6100	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WC18-0AG0	5800	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC18-0AG0	6300	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WC18-0CG0	6500	996	371	140	1573	1738	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WC18-0CG0	7900	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WC18-0CG0	8500	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WC18-0CG0	9000	1080	371	160	1724	1889	2346	o.r.	1320	1250	1400	26	16

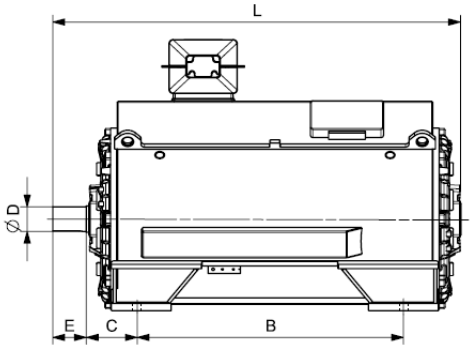
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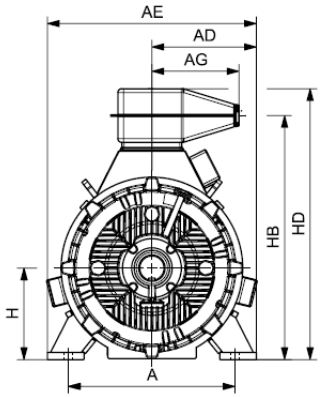
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		**SIMOTICS HV C VSD const**	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																						
	1100	**1NA1 454-2WR40-0A.0**	2983	97.0	0,90	174	3521	2,50	14.2	3600	425	2740	96.8	0,90	140	2266	94.7	0,88	65	2108	92.2	0,86
	1060	**1NA1 454-2WR40-0C.0**	2981	96.8	0,90	168	3396	2,20	18.4	3600	410	2645	96.6	0,90	135	2187	94.3	0,88	60	2034	91.6	0,86
	1200	**1NA1 456-2WR40-0A.0**	2984	97.2	0,91	188	3840	2,70	15.7	3600	465	2988	96.9	0,90	155	2470	94.8	0,89	70	2298	92.4	0,86
	1200	**1NA1 456-2WR40-0C.0**	2981	96.9	0,91	188	3844	2,30	20.2	3600	465	2993	96.7	0,90	155	2475	94.4	0,89	70	2302	91.8	0,86
	1320	**1NA1 458-2WR40-0A.0**	2986	97.3	0,92	205	4221	3,00	17.0	3600	510	3285	97.1	0,91	170	2716	94.9	0,89	80	2526	92.4	0,85
	1300	**1NA1 458-2WR40-0C.0**	2983	97.1	0,91	205	4162	2,50	21.9	3600	505	3239	96.9	0,90	165	2679	94.5	0,88	75	2492	91.9	0,86
	1650	**1NA1 504-2WR40-0AJ0**	2983	97.2	0,89	265	5282	2,50	22.6	3600	640	4113	97.0	0,90	210	3401	95.2	0,89	95	3163	93.0	0,87
	1650	**1NA1 504-2WR40-0C.0**	2984	97.1	0,89	265	5280	2,20	29.7	3000	640	4113	97.0	0,90	210	3401	95.2	0,89	95	3163	92.9	0,86
	1850	**1NA1 506-2WR40-0AJ0**	2983	97.3	0,90	295	5922	2,50	25.7	3600	720	4610	97.2	0,90	235	3812	95.3	0,89	110	3546	93.3	0,88
	1855	**1NA1 506-2WR40-0C.0**	2984	97.2	0,90	295	5936	2,20	33.3	3000	720	4611	97.2	0,90	235	3813	95.3	0,89	110	3546	93.2	0,87
	2120	**1NA1 508-2WR40-0AJ0**	2985	97.5	0,91	330	6782	2,90	28.1	3600	820	5278	97.3	0,91	270	4364	95.6	0,89	125	4060	93.5	0,87
	2120	**1NA1 508-2WR40-0C.0**	2986	97.4	0,90	335	6780	2,50	36.2	3000	825	5278	97.3	0,91	270	4364	95.6	0,89	125	4060	93.5	0,86
	2455	**1NA1 566-2WR40-0C.0**	2987	97.4	0,90	390	7849	2,10	55.3	3000	950	6099	97.5	0,91	315	5043	96.0	0,91	145	4691	94.2	0,89
	2775	**1NA1 568-2WR40-0C.0**	2988	97.6	0,91	435	8869	2,20	60.0	3000	1075	6891	97.6	0,91	355	5698	96.1	0,91	165	5300	94.4	0,89
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																						
	1250	**1NA1 454-4WR40-0A.0**	1490	96.7	0,86	210	8011	2,50	21.5	2400	535	6909	96.2	0,85	190	6248	92.9	0,83	90	6028	88.9	0,79
	1210	**1NA1 454-4WR40-0C.0**	1490	96.7	0,84	205	7755	2,20	27.6	2400	520	6687	96.2	0,84	185	6047	93.2	0,83	90	5834	89.6	0,79
	1370	**1NA1 456-4WR40-0A.0**	1490	96.8	0,87	225	8780	2,50	24.8	2400	590	7573	96.3	0,86	210	6849	93.1	0,84	100	6608	89.4	0,81
	1360	**1NA1 456-4WR40-0C.0**	1490	96.8	0,85	230	8716	2,10	31.7	2400	585	7518	96.3	0,85	210	6799	93.3	0,84	100	6559	89.9	0,81
	1550	**1NA1 458-4WR40-0A.0**	1491	97.0	0,86	260	9927	2,70	27.2	2400	665	8559	96.5	0,85	240	7741	93.6	0,83	115	7468	90.0	0,78
	1520	**1NA1 458-4WR40-0C.0**	1491	97.0	0,85	255	9735	2,30	34.8	2400	655	8392	96.5	0,84	235	7590	93.8	0,83	110	7322	90.6	0,79
	1605	**1NA1 504-4WR40-0A.0**	1490	96.8	0,87	265	10286	2,20	32.5	2200	685	8850	96.4	0,87	245	8003	93.6	0,86	115	7721	90.4	0,84
	1560	**1NA1 504-4WR40-0C.0**	1490	96.8	0,85	265	9998	1,80	42.4	2200	670	8621	96.4	0,85	240	7797	93.8	0,85	115	7522	90.9	0,84
	1800	**1NA1 506-4WR40-0A.0**	1490	97.0	0,88	295	11536	2,30	37.1	2200	770	9948	96.5	0,88	275	8996	93.9	0,87	130	8679	90.7	0,84
	1770	**1NA1 506-4WR40-0C.0**	1491	97.0	0,86	295	11336	1,90	48.0	2200	760	9775	96.6	0,86	270	8840	94.1	0,85	130	8528	91.3	0,84
	2000	**1NA1 508-4WR40-0A.0**	1491	97.1	0,89	320	12809	2,70	42.4	2200	860	11041	96.7	0,88	305	9985	94.3	0,87	145	9633	91.2	0,83
	2005	**1NA1 508-4WR40-0C.0**	1492	97.1	0,87	330	12833	2,10	54.6	2200	860	11043	96.8	0,87	310	9987	94.5	0,86	145	9635	91.7	0,84
	2255	**1NA1 562-4WR40-0C.0**	1491	97.3	0,84	385	14442	1,70	72.5	2000	965	12426	96.9	0,85	345	11238	94.5	0,84	165	10842	91.8	0,83
	2270	**1NA1 562-4WR40-0A.0**	1492	97.3	0,86	375	14529	2,00	54.5	2000	975	12530	96.9	0,86	350	11332	94.5	0,85	165	10932	91.7	0,83
	2550	**1NA1 564-4WR40-0A.0**	1492	97.4	0,87	420	16321	2,10	59.9	2000	1095	14068	97.1	0,87	390	12723	94.7	0,86	185	12274	91.9	0,83
	2510	**1NA1 564-4WR40-0C.0**	1492	97.5	0,86	415	16065	1,90	79.4	2000	1080	13852	97.1	0,86	385	12527	94.7	0,85	185	12086	92.2	0,83
	2810	**1NA1 566-4WR40-0A.0**	1492	97.5	0,88	455	17985	2,20	66.7	2000	1205	15499	97.2	0,88	430	14017	94.8	0,86	205	13523	92.1	0,84
	2800	**1NA1 566-4WR40-0C.0**	1492	97.6	0,87	460	17921	1,90	88.0	2000	1200	15448	97.2	0,87	430	13971	94.8	0,86	205	13478	92.4	0,84
	3105	**1NA1 568-4WR40-0A.0**	1493	97.6	0,89	495	19860	2,30	73.4	2000	1330	17104	97.3	0,88	475	15468	95.0	0,87	230	14923	92.3	0,83

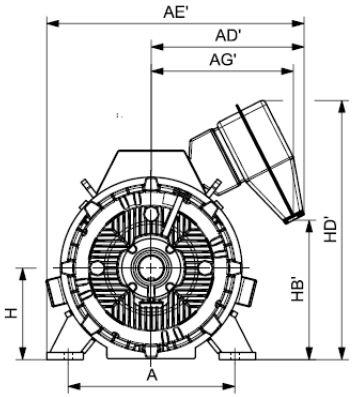
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SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	3070	**1NA1 568-4WR40-0C.0**	1493	97.7	0,87	500	19636	2,00	96.7	2000	1320	16927	97.3	0,87	475	15309	95.1	0,86	225	14769	92.7	0,84
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	950	**1NA1 454-6WR40-0A.0**	991	96.1	0,80	172	9154	1,80	31.8	2200	405	7894	95.2	0,80	145	7139	91.3	0,80	70	6887	86.7	0,78
	1000	**1NA1 454-6WR40-0C.0**	991	96.2	0,83	174	9636	1,80	41.0	2200	430	8309	95.2	0,83	150	7514	91.3	0,83	70	7249	86.8	0,81
	1070	**1NA1 456-6WR40-0A.0**	992	96.2	0,81	190	10300	1,80	36.9	2200	460	8887	95.3	0,81	165	8037	91.7	0,82	75	7754	87.3	0,79
	1100	**1NA1 456-6WR40-0C.0**	992	96.3	0,84	188	10589	1,90	47.3	2200	470	9132	95.4	0,84	170	8259	91.8	0,84	80	7968	87.5	0,82
	1250	**1NA1 458-6WR40-0A.0**	992	96.4	0,81	220	12033	1,80	43.6	2200	535	10384	95.6	0,82	190	9391	92.1	0,82	90	9060	88.0	0,80
	1270	**1NA1 458-6WR40-0C.0**	992	96.5	0,84	215	12225	1,90	55.7	2200	545	10540	95.7	0,84	195	9532	92.2	0,84	90	9196	88.3	0,82
	1260	**1NA1 502-6WR40-0A.0**	992	96.3	0,84	215	12129	2,00	52.8	2100	540	10463	95.2	0,85	190	9462	91.1	0,85	90	9129	86.4	0,84
	1320	**1NA1 502-6WR40-0C.0**	993	96.5	0,86	220	12694	1,70	67.5	2100	565	10942	95.5	0,87	200	9896	91.8	0,88	95	9547	87.5	0,86
	1410	**1NA1 504-6WR40-0A.0**	991	96.4	0,84	240	13587	1,80	59.7	2100	605	11722	95.3	0,85	215	10601	91.3	0,86	100	10227	86.9	0,86
	1500	**1NA1 504-6WR40-0C.0**	992	96.6	0,86	250	14439	1,60	76.1	2100	645	12447	95.6	0,87	230	11257	92.0	0,88	110	10860	88.0	0,88
	1650	**1NA1 506-6WR40-0A.0**	991	96.6	0,85	280	15899	1,90	67.3	2100	705	13710	95.6	0,85	250	12399	91.8	0,86	120	11962	87.7	0,85
	1750	**1NA1 506-6WR40-0C.0**	993	96.8	0,86	290	16829	1,70	85.6	2100	750	14512	96.0	0,87	270	13124	92.6	0,88	125	12661	88.9	0,87
	1865	**1NA1 508-6WR40-0A.0**	992	96.7	0,86	310	17953	2,00	76.4	2100	795	15458	95.8	0,86	285	13980	92.1	0,87	135	13487	88.1	0,85
	1950	**1NA1 508-6WR40-0C.0**	993	96.9	0,87	320	18752	1,80	96.7	2100	835	16160	96.2	0,87	300	14615	93.0	0,88	140	14100	89.4	0,87
	2175	**1NA1 564-6WR40-0C.0**	993	97.2	0,87	355	20916	2,00	136.7	2000	930	17994	96.7	0,88	335	16273	93.8	0,89	160	15699	90.7	0,87
	2445	**1NA1 566-6WR40-0C.0**	994	97.3	0,87	400	23489	2,00	151.9	2000	1045	20227	96.8	0,88	375	18293	94.1	0,89	180	17648	91.0	0,87
	2665	**1NA1 568-6WR40-0C.0**	994	97.4	0,88	430	25602	2,20	167.0	2000	1140	22029	97.0	0,88	410	19922	94.4	0,89	195	19220	91.5	0,86
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	750	**1NA1 454-8WR40-0A.0**	742	95.7	0,78	140	9652	1,80	32.0	2200	320	8326	94.3	0,78	115	7530	89.1	0,79	55	7264	83.0	0,76
	780	**1NA1 454-8WR40-0C.0**	742	95.7	0,80	142	10038	1,70	41.1	2200	335	8654	94.4	0,81	120	7826	89.2	0,81	55	7551	83.3	0,78
	850	**1NA1 456-8WR40-0A.0**	742	95.8	0,79	156	10939	1,80	37.1	2200	365	9435	94.4	0,79	130	8533	89.3	0,80	60	8232	83.5	0,77
	900	**1NA1 456-8WR40-0C.0**	742	95.8	0,81	160	11583	1,70	47.4	2200	385	9986	94.5	0,81	135	9031	89.4	0,82	65	8712	83.6	0,79
	1000	**1NA1 458-8WR40-0A.0**	742	95.9	0,79	184	12870	1,70	43.9	2200	430	11104	94.6	0,80	150	10042	89.8	0,81	70	9688	84.2	0,78
	1010	**1NA1 458-8WR40-0C.0**	743	95.9	0,81	180	12981	1,70	55.9	2200	430	11200	94.7	0,81	155	10129	90.1	0,82	70	9772	84.7	0,79
	1120	**1NA1 504-8WR40-0A.0**	743	95.7	0,80	205	14395	1,60	58.9	2100	480	12427	94.4	0,80	170	11239	90.1	0,80	80	10843	84.9	0,79
	1160	**1NA1 504-8WR40-0C.0**	743	95.8	0,85	198	14909	1,80	75.7	2100	495	12850	94.6	0,84	175	11621	90.5	0,84	85	11212	85.4	0,82
	1240	**1NA1 506-8WR40-0A.0**	743	95.8	0,80	225	15937	1,70	66.4	2100	530	13758	94.5	0,81	190	12442	90.3	0,81	90	12004	85.2	0,79
	1280	**1NA1 506-8WR40-0C.0**	744	95.9	0,85	220	16429	1,90	85.2	2100	550	14175	94.8	0,85	195	12819	90.8	0,84	90	12367	85.8	0,82
	1400	**1NA1 508-8WR40-0A.0**	744	96.0	0,81	250	17969	1,90	75.3	2100	600	15508	94.9	0,81	215	14025	91.0	0,81	100	13531	85.9	0,78
	1450	**1NA1 508-8WR40-0C.0**	744	96.1	0,85	245	18611	2,10	96.4	2100	620	16046	95.0	0,84	220	14512	91.3	0,83	105	14000	86.5	0,80
	1680	**1NA1 564-8WR40-0C.0**	744	96.7	0,84	285	21563	1,80	136.4	2000	720	18601	95.9	0,85	255	16822	92.2	0,86	120	16229	88.2	0,84
	1880	**1NA1 566-8WR40-0C.0**	744	96.8	0,85	315	24130	1,90	151.7	2000	805	20800	96.1	0,85	285	18811	92.5	0,86	135	18148	88.7	0,83
	2050	**1NA1 568-8WR40-0C.0**	744	96.8	0,85	345	26312	1,80	167.0	2000	880	22688	96.1	0,86	315	20518	92.7	0,86	150	19795	88.9	0,84

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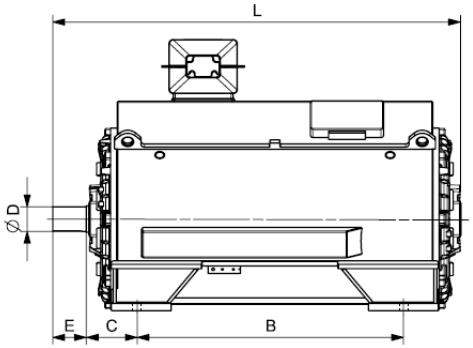


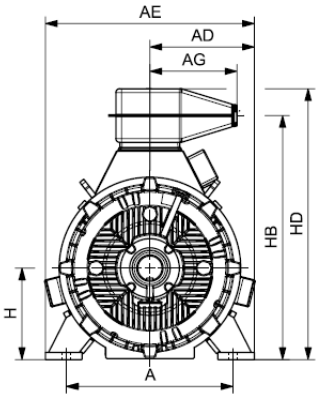


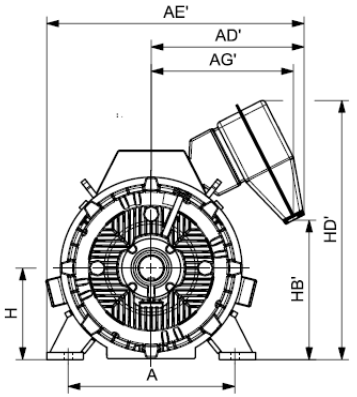


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2WR40-0A.0	3700	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 454-2WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WR40-0A.0	4000	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WR40-0C.0	4100	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WR40-0A.0	4200	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WR40-0C.0	4400	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 504-2WR40-0AJ0	5000	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 504-2WR40-0C.0	5100	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 506-2WR40-0AJ0	5400	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 506-2WR40-0C.0	5600	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 508-2WR40-0AJ0	5700	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 508-2WR40-0C.0	5900	950	489	744	1054	1309	489	695	1320	280	110	165	500	1326	713	1457	1358	2049	o.r.
1NA1 566-2WR40-0C.0	7600	1060	489	777	1124	1412	489	728	1400	290	120	165	560	1462	838	1593	1483	2193	o.r.
1NA1 568-2WR40-0C.0	8000	1060	489	777	1124	1412	489	728	1400	290	120	165	560	1462	838	1593	1483	2193	o.r.
4-pole																			
1NA1 454-4WR40-0A.0	3800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-4WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR40-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR40-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR40-0A.0	4400	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR40-0C.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-4WR40-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-4WR40-0C.0	5300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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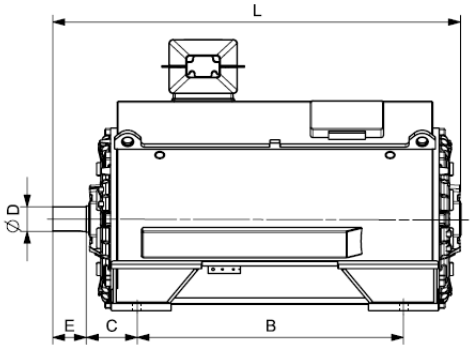


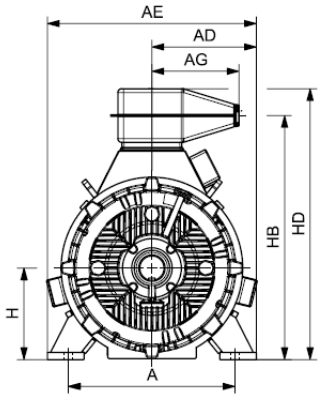


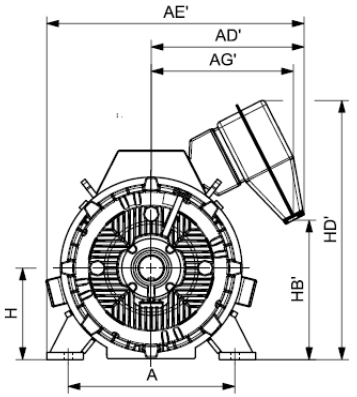


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-4WR40-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WR40-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WR40-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WR40-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 562-4WR40-0C.0	6900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 562-4WR40-0A.0	6600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR40-0A.0	7000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR40-0C.0	7300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR40-0A.0	7500	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR40-0C.0	7800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR40-0A.0	7900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR40-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
6-pole																			
1NA1 454-6WR40-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-6WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR40-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR40-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR40-0A.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR40-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 502-6WR40-0A.0	4800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 502-6WR40-0C.0	5000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR40-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR40-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WR40-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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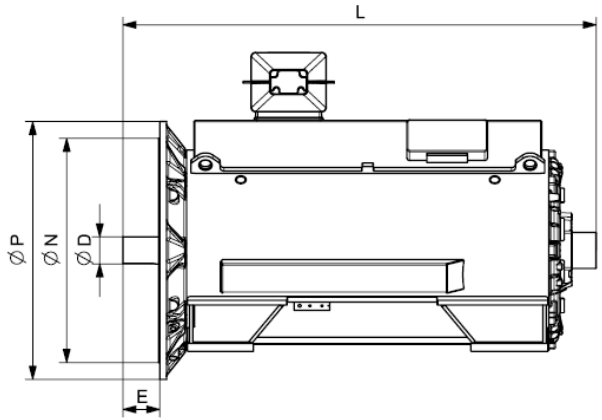


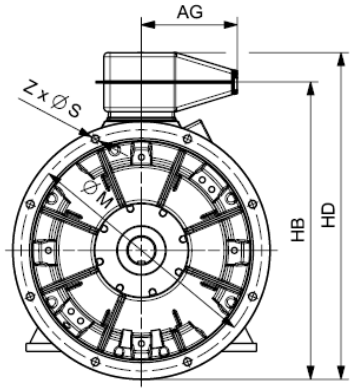




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 506-6WR40-0C.0	5900	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR40-0A.0	6100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR40-0C.0	6400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-6WR40-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-6WR40-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-6WR40-0C.0	8800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
8-pole																			
1NA1 454-8WR40-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-8WR40-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR40-0A.0	4000	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR40-0C.0	4200	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR40-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR40-0C.0	4700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-8WR40-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-8WR40-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR40-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR40-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR40-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR40-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-8WR40-0C.0	7600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-8WR40-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-8WR40-0C.0	8700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

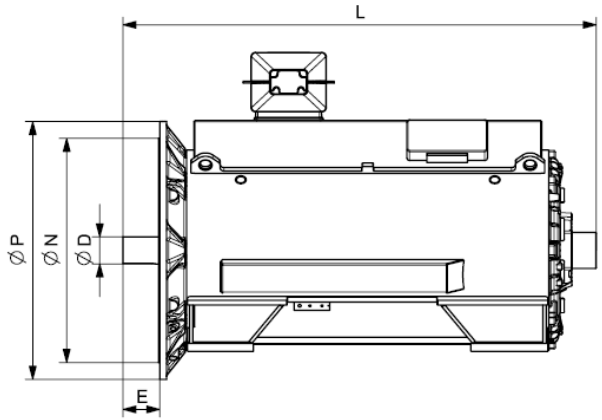
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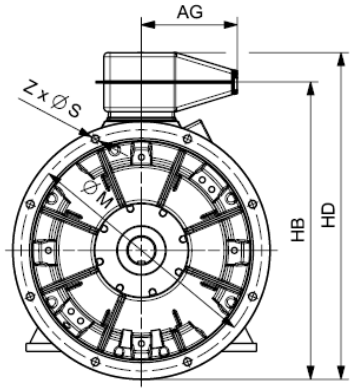




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4WR48-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WR48-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR48-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR48-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR48-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR48-0CG0	4800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WR48-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WR48-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR48-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR48-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR48-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR48-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WR48-0CG0	7100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WR48-0AG0	6800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR48-0AG0	7200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR48-0CG0	7500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR48-0AG0	7700	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR48-0CG0	8100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR48-0AG0	8100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR48-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 454-6WR48-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

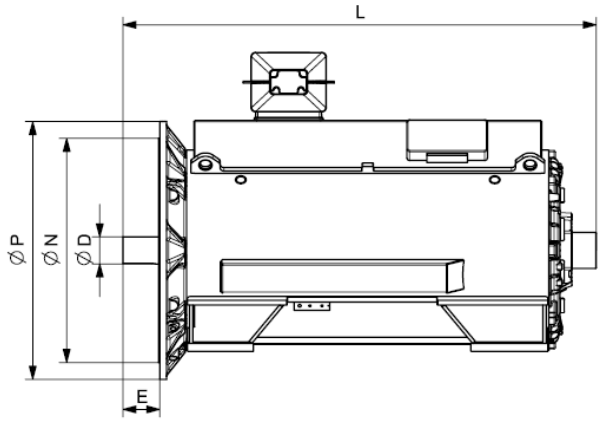
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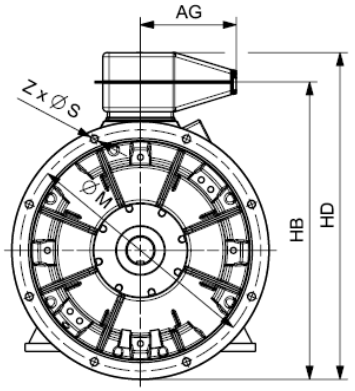




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6WR48-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR48-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR48-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR48-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR48-0CG0	5000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WR48-0AG0	5000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WR48-0CG0	5200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR48-0AG0	5400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR48-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR48-0AG0	5800	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR48-0CG0	6100	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR48-0AG0	6300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR48-0CG0	6600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WR48-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WR48-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WR48-0CG0	9100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 454-8WR48-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WR48-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR48-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR48-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR48-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR48-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8WR48-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WR48-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR48-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR48-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR48-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR48-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WR48-0CG0	7900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WR48-0CG0	8400	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WR48-0CG0	9000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

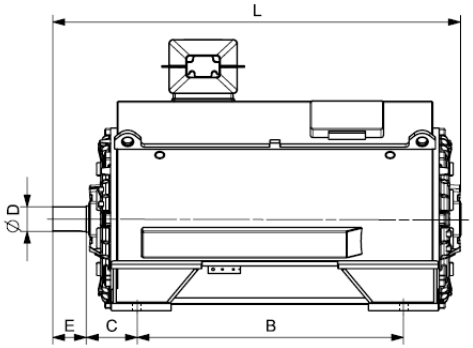
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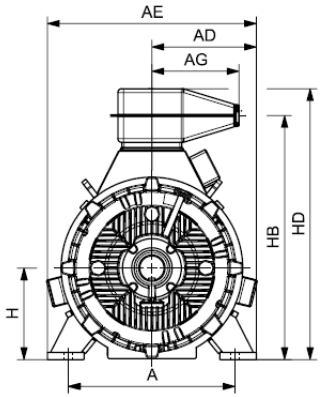
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	1260	**1NA1 454-2WR30-0AJ0**	3584	97.1	0,90	200	3357	2,50	13.8	3600	490	2612	97.1	0,90	160	2160	95.4	0,88	75	2009	93.3	0,85
	1250	**1NA1 454-2WR30-0C.0**	3581	96.9	0,90	198	3333	2,20	18.7	3600	485	2595	96.8	0,89	160	2146	94.9	0,87	75	1996	92.7	0,84
	1420	**1NA1 456-2WR30-0AJ0**	3586	97.3	0,91	225	3781	2,80	15.3	3600	550	2942	97.2	0,90	180	2433	95.5	0,88	85	2263	93.5	0,84
	1400	**1NA1 456-2WR30-0C.0**	3583	97.0	0,90	225	3731	2,40	20.6	3600	545	2904	97.0	0,90	180	2401	95.1	0,87	80	2234	92.9	0,83
	1570	**1NA1 458-2WR30-0AJ0**	3587	97.4	0,91	245	4180	3,10	16.6	3600	610	3251	97.3	0,90	200	2688	95.6	0,87	95	2500	93.5	0,83
	1550	**1NA1 458-2WR30-0C.0**	3584	97.2	0,91	245	4130	2,60	22.3	3600	600	3214	97.1	0,90	200	2657	95.2	0,87	90	2472	92.9	0,80
	1870	**1NA1 504-2WR30-0CJ0**	3584	97.1	0,89	300	4982	2,30	28.9	3600	725	3879	97.2	0,90	240	3208	95.5	0,89	110	2984	93.5	0,86
	2155	**1NA1 506-2WR30-0CJ0**	3584	97.3	0,90	340	5742	2,30	32.6	3600	835	4460	97.3	0,91	275	3687	95.5	0,89	125	3430	93.7	0,87
	2350	**1NA1 508-2WR30-0CJ0**	3587	97.4	0,90	370	6256	2,60	35.6	3600	915	4869	97.4	0,91	300	4026	95.8	0,88	140	3745	93.9	0,85
	2805	**1NA1 566-2WR30-0CJ0**	3587	97.4	0,91	440	7467	2,10	54.6	3600	1090	5804	97.5	0,91	360	4799	96.2	0,91	165	4464	94.7	0,89
	3105	**1NA1 568-2WR30-0CJ0**	3587	97.5	0,91	485	8266	2,20	59.3	3600	1205	6423	97.7	0,91	395	5311	96.3	0,91	185	4940	94.9	0,89
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	1460	**1NA1 454-4WR30-0A.0**	1791	96.9	0,85	245	7784	2,60	21.5	2400	625	6714	96.5	0,84	225	6072	93.8	0,82	105	5858	90.4	0,76
	1450	**1NA1 454-4WR30-0C.0**	1791	96.9	0,84	245	7731	2,10	27.6	2400	625	6666	96.5	0,83	225	6029	94.0	0,82	105	5816	91.0	0,78
	1650	**1NA1 456-4WR30-0A.0**	1791	97.0	0,86	275	8798	2,60	24.8	2400	710	7586	96.7	0,85	255	6861	94.0	0,83	120	6619	90.8	0,77
	1620	**1NA1 456-4WR30-0C.0**	1791	97.1	0,85	270	8638	2,20	31.7	2400	695	7445	96.7	0,84	250	6733	94.2	0,82	120	6496	91.4	0,78
	1770	**1NA1 458-4WR30-0A.0**	1792	97.1	0,87	290	9432	2,80	27.2	2400	760	8133	96.8	0,86	275	7355	94.2	0,83	130	7096	91.1	0,77
	1770	**1NA1 458-4WR30-0C.0**	1792	97.1	0,86	295	9432	2,30	34.8	2400	760	8136	96.8	0,85	275	7358	94.5	0,83	130	7099	91.7	0,79
	1750	**1NA1 504-4WR30-0A.0**	1791	96.9	0,88	285	9331	2,40	32.5	2200	750	8045	96.7	0,87	270	7276	94.3	0,86	130	7019	91.6	0,83
	1750	**1NA1 504-4WR30-0C.0**	1791	96.9	0,85	295	9331	1,90	42.4	2200	750	8045	96.7	0,86	270	7276	94.5	0,85	130	7019	92.1	0,84
	2015	**1NA1 506-4WR30-0A.0**	1791	97.0	0,88	330	10744	2,60	37.1	2200	865	9241	96.8	0,88	310	8357	94.5	0,86	150	8062	91.8	0,82
	2010	**1NA1 506-4WR30-0C.0**	1792	97.1	0,86	335	10711	2,10	48.0	2200	865	9233	96.9	0,86	310	8350	94.8	0,85	150	8056	92.4	0,83
	2175	**1NA1 508-4WR30-0A.0**	1791	97.1	0,89	350	11597	2,60	42.4	2200	930	9977	96.9	0,89	335	9023	94.8	0,87	160	8705	92.3	0,84
	2175	**1NA1 508-4WR30-0C.0**	1792	97.2	0,87	355	11590	2,10	54.6	2200	935	9974	97.0	0,87	335	9021	95.0	0,86	160	8703	92.7	0,84
	2505	**1NA1 562-4WR30-0C.0**	1791	97.3	0,85	420	13356	1,70	72.5	2000	1075	11493	97.1	0,86	385	10394	95.0	0,85	185	10027	92.8	0,84
	2550	**1NA1 562-4WR30-0A.0**	1791	97.3	0,86	425	13596	2,00	54.5	2000	1095	11718	97.1	0,86	395	10597	95.0	0,86	190	10224	92.6	0,84
	2800	**1NA1 564-4WR30-0A.0**	1792	97.4	0,87	460	14921	2,10	59.9	2000	1205	12862	97.2	0,87	430	11632	95.1	0,86	205	11222	92.8	0,84
	2770	**1NA1 564-4WR30-0C.0**	1792	97.5	0,86	460	14761	1,80	79.4	2000	1190	12728	97.2	0,87	425	11511	95.1	0,86	205	11105	93.0	0,84
	3100	**1NA1 566-4WR30-0A.0**	1792	97.5	0,88	500	16519	2,20	66.7	2000	1330	14234	97.3	0,88	480	12873	95.1	0,87	230	12419	92.8	0,84
	3050	**1NA1 566-4WR30-0C.0**	1792	97.6	0,87	500	16253	1,90	88.0	2000	1310	14007	97.3	0,87	470	12667	95.2	0,86	225	12221	93.1	0,84
	3405	**1NA1 568-4WR30-0A.0**	1793	97.7	0,89	540	18135	2,40	73.4	2000	1460	15614	97.4	0,88	525	14121	95.0	0,86	250	13623	92.7	0,83
	3400	**1NA1 568-4WR30-0C.0**	1793	97.7	0,88	550	18108	2,10	96.7	2000	1460	15605	97.4	0,88	525	14112	95.2	0,86	250	13615	93.1	0,83
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	1070	**1NA1 454-6WR30-0A.0**	1191	96.3	0,80	192	8579	1,70	31.8	2200	460	7400	95.6	0,81	165	6692	92.2	0,81	80	6456	88.4	0,79

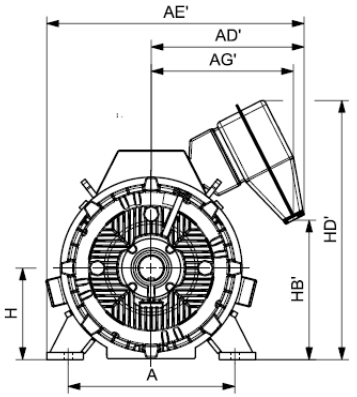
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SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1100	**1NA1 454-6WR30-0C.0**	1191	96.4	0,84	188	8820	1,80	41.0	2200	470	7604	95.6	0,84	170	6877	92.3	0,84	80	6635	88.5	0,82
	1250	**1NA1 456-6WR30-0A.0**	1192	96.5	0,80	225	10014	1,80	36.9	2200	535	8634	95.9	0,81	190	7809	92.8	0,81	90	7533	89.1	0,77
	1270	**1NA1 456-6WR30-0C.0**	1192	96.6	0,84	215	10174	2,00	47.3	2200	545	8774	95.9	0,84	195	7935	93.0	0,83	95	7655	89.4	0,80
	1460	**1NA1 458-6WR30-0A.0**	1192	96.7	0,81	260	11696	1,90	43.6	2200	625	10081	96.1	0,82	225	9117	93.3	0,81	105	8796	89.8	0,78
	1500	**1NA1 458-6WR30-0C.0**	1193	96.8	0,84	255	12007	2,00	55.7	2200	645	10359	96.2	0,84	230	9369	93.3	0,84	110	9038	90.0	0,80
	1500	**1NA1 502-6WR30-0A.0**	1190	96.5	0,82	265	12037	1,70	52.8	2100	645	10378	95.7	0,84	230	9386	92.2	0,85	110	9055	88.4	0,84
	1560	**1NA1 502-6WR30-0C.0**	1192	96.8	0,85	265	12497	1,60	67.5	2100	670	10773	96.0	0,86	240	9743	93.0	0,87	115	9399	89.6	0,86
	1700	**1NA1 504-6WR30-0A.0**	1191	96.7	0,84	290	13630	1,80	59.7	2100	730	11757	95.9	0,85	260	10633	92.4	0,86	125	10258	88.8	0,85
	1760	**1NA1 504-6WR30-0C.0**	1193	96.9	0,86	295	14088	1,60	76.1	2100	755	12150	96.2	0,87	270	10988	93.2	0,88	130	10601	90.0	0,87
	1850	**1NA1 506-6WR30-0A.0**	1192	96.8	0,85	310	14821	2,00	67.3	2100	795	12778	96.0	0,86	285	11556	92.7	0,86	135	11149	89.1	0,85
	1910	**1NA1 506-6WR30-0C.0**	1194	97.0	0,87	315	15276	1,80	85.6	2100	820	13171	96.3	0,87	295	11912	93.4	0,88	140	11492	90.2	0,86
	2055	**1NA1 508-6WR30-0A.0**	1192	96.9	0,86	340	16463	2,00	76.4	2100	880	14168	96.1	0,86	315	12813	93.0	0,87	150	12361	89.4	0,85
	2150	**1NA1 508-6WR30-0C.0**	1194	97.1	0,87	355	17195	1,80	96.7	2100	925	14824	96.4	0,88	330	13407	93.6	0,88	160	12934	90.4	0,87
	2435	**1NA1 564-6WR30-0C.0**	1193	97.3	0,87	400	19491	2,00	136.7	2000	1045	16771	97.0	0,88	375	15167	94.5	0,89	180	14632	91.9	0,88
	2655	**1NA1 566-6WR30-0C.0**	1194	97.4	0,87	435	21234	2,00	151.9	2000	1140	18285	97.1	0,88	410	16536	94.7	0,89	195	15953	92.2	0,87
	2925	**1NA1 568-6WR30-0C.0**	1195	97.5	0,88	475	23374	2,30	167.0	2000	1255	20124	97.3	0,88	450	18199	94.9	0,88	215	17558	92.5	0,86
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	900	**1NA1 454-8WR30-0A.0**	892	96.0	0,78	166	9635	1,70	32.0	2200	385	8311	94.9	0,78	135	7516	90.6	0,79	65	7252	85.4	0,75
	920	**1NA1 454-8WR30-0C.0**	893	96.1	0,80	166	9838	1,80	41.1	2200	395	8488	95.0	0,80	140	7676	90.8	0,80	65	7406	85.7	0,77
	1000	**1NA1 456-8WR30-0A.0**	892	96.1	0,79	182	10705	1,70	37.1	2200	430	9239	95.0	0,79	150	8355	90.7	0,80	70	8061	85.9	0,77
	1050	**1NA1 456-8WR30-0C.0**	892	96.1	0,81	188	11241	1,60	47.4	2200	450	9694	95.0	0,81	160	8767	90.8	0,82	75	8458	85.9	0,79
	1200	**1NA1 458-8WR30-0A.0**	892	96.3	0,79	220	12847	1,80	43.9	2200	515	11079	95.3	0,79	185	10020	91.4	0,79	85	9667	86.7	0,76
	1210	**1NA1 458-8WR30-0C.0**	893	96.4	0,81	215	12939	1,80	55.9	2200	520	11162	95.5	0,81	185	10095	91.6	0,81	90	9739	87.1	0,77
	1240	**1NA1 504-8WR30-0A.0**	893	96.0	0,80	225	13260	1,70	58.9	2100	530	11438	95.0	0,81	190	10344	91.4	0,80	90	9979	86.9	0,78
	1290	**1NA1 504-8WR30-0C.0**	894	96.1	0,85	220	13779	1,90	75.7	2100	555	11884	95.1	0,84	195	10747	91.7	0,84	95	10369	87.3	0,81
	1400	**1NA1 506-8WR30-0A.0**	893	96.2	0,81	250	14971	1,70	66.4	2100	600	12910	95.2	0,81	215	11676	91.7	0,81	100	11264	87.4	0,78
	1430	**1NA1 506-8WR30-0C.0**	894	96.2	0,85	245	15275	2,00	85.2	2100	615	13177	95.3	0,85	220	11917	92.0	0,84	105	11497	87.9	0,81
	1500	**1NA1 508-8WR30-0A.0**	893	96.2	0,81	265	16040	1,70	75.3	2100	645	13842	95.2	0,82	230	12519	91.5	0,82	110	12077	87.4	0,80
	1560	**1NA1 508-8WR30-0C.0**	894	96.3	0,85	265	16663	1,90	96.4	2100	670	14374	95.3	0,85	240	12999	91.7	0,84	115	12541	87.7	0,83
	1820	**1NA1 564-8WR30-0C.0**	894	96.8	0,85	305	19440	1,80	136.4	2000	780	16764	96.2	0,86	280	15161	93.0	0,86	135	14626	89.5	0,84
	2085	**1NA1 566-8WR30-0C.0**	894	96.9	0,85	350	22271	1,90	151.7	2000	895	19160	96.4	0,86	320	17328	93.3	0,86	150	16717	90.0	0,83
	2370	**1NA1 568-8WR30-0C.0**	894	97.0	0,85	400	25315	1,80	167.0	2000	1015	21823	96.5	0,86	365	19736	93.5	0,86	175	19040	90.4	0,84

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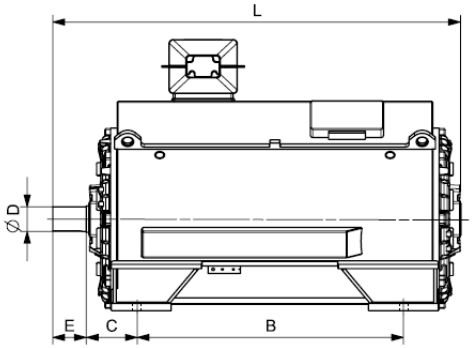


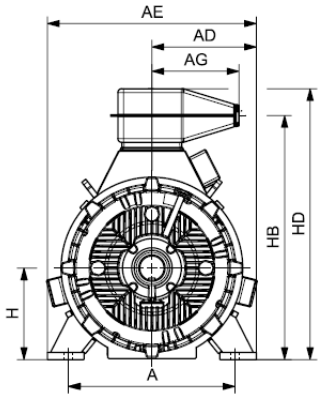


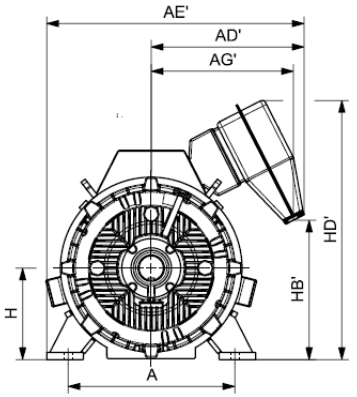


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NA1 454-2WR30-0AJ0	3700	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 454-2WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 456-2WR30-0AJ0	4000	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 456-2WR30-0C.0	4100	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 458-2WR30-0AJ0	4200	850	489	714	1004	1229	489	665	1250	450	95	130	450	1202	602	1333	1247	2145	o.r.
1NA1 458-2WR30-0C.0	4400	850	489	714	1004	1229	489	665	1250	254	95	130	450	1202	602	1333	1247	1900	o.r.
1NA1 504-2WR30-0CJ0	5100	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 506-2WR30-0CJ0	5600	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 508-2WR30-0CJ0	5800	950	489	744	1054	1309	489	695	1320	475	110	165	500	1326	713	1457	1358	2290	o.r.
1NA1 566-2WR30-0CJ0	7300	1060	489	777	1124	1412	489	728	1400	560	120	165	560	1462	838	1593	1483	2577	o.r.
1NA1 568-2WR30-0CJ0	7800	1060	489	777	1124	1412	489	728	1400	560	120	165	560	1462	838	1593	1483	2577	o.r.
4-pole																			
1NA1 454-4WR30-0A.0	3800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-4WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR30-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-4WR30-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR30-0A.0	4400	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-4WR30-0C.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-4WR30-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-4WR30-0C.0	5300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WR30-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-4WR30-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-4WR30-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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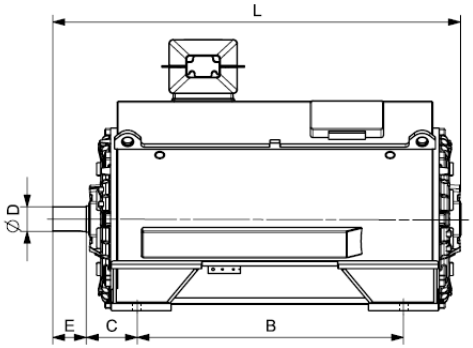


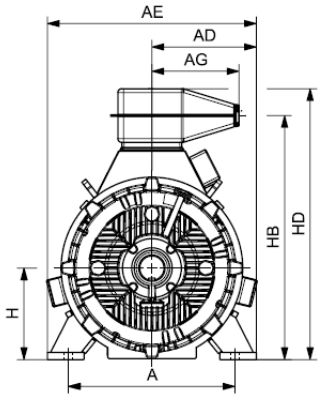


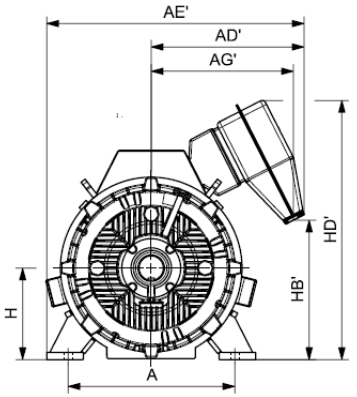


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 508-4WR30-0C.0	6200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 562-4WR30-0C.0	6900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 562-4WR30-0A.0	6600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR30-0A.0	7000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 564-4WR30-0C.0	7300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR30-0A.0	7400	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-4WR30-0C.0	7800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR30-0A.0	8000	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-4WR30-0C.0	8400	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
6-pole																			
1NA1 454-6WR30-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-6WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR30-0A.0	4100	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-6WR30-0C.0	4300	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR30-0A.0	4600	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-6WR30-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 502-6WR30-0A.0	4900	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 502-6WR30-0C.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR30-0A.0	5200	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-6WR30-0C.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WR30-0A.0	5600	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-6WR30-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR30-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-6WR30-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.

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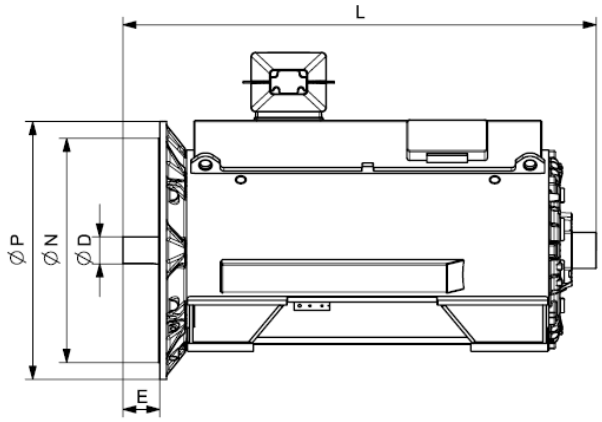


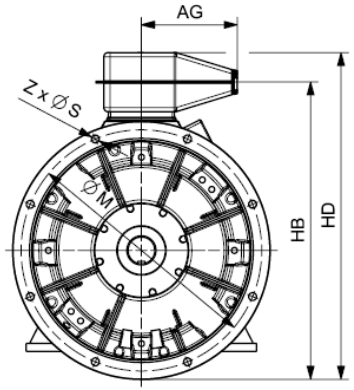




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NA1 564-6WR30-0C.0	7700	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-6WR30-0C.0	8300	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-6WR30-0C.0	8900	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
8-pole																			
1NA1 454-8WR30-0A.0	3700	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 454-8WR30-0C.0	3900	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR30-0A.0	4000	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 456-8WR30-0C.0	4200	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR30-0A.0	4500	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 458-8WR30-0C.0	4800	850	489	714	1004	1229	489	665	1250	280	120	165	450	1202	602	1333	1247	2030	o.r.
1NA1 504-8WR30-0A.0	5100	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 504-8WR30-0C.0	5400	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR30-0A.0	5500	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 506-8WR30-0C.0	5800	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR30-0A.0	6000	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 508-8WR30-0C.0	6300	950	489	744	1054	1309	489	695	1320	315	140	200	500	1326	713	1457	1358	2175	o.r.
1NA1 564-8WR30-0C.0	7600	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 566-8WR30-0C.0	8200	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.
1NA1 568-8WR30-0C.0	8800	1060	489	777	1124	1412	489	728	1400	335	160	240	560	1462	838	1593	1483	2346	o.r.

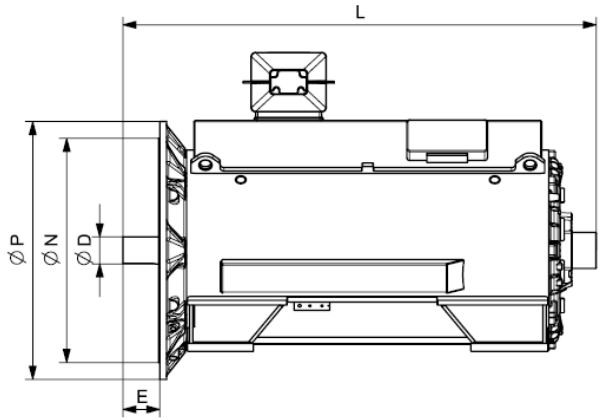
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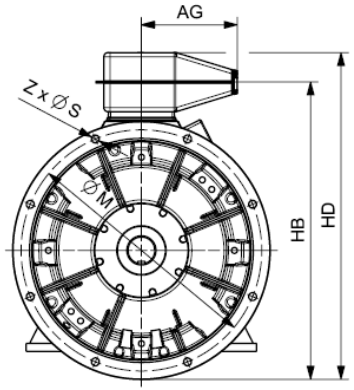




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NA1 454-4WR38-0AG0	3900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-4WR38-0CG0	4100	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR38-0AG0	4300	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-4WR38-0CG0	4500	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR38-0AG0	4600	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-4WR38-0CG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 504-4WR38-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-4WR38-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR38-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-4WR38-0CG0	5900	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR38-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-4WR38-0CG0	6400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 562-4WR38-0CG0	7100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 562-4WR38-0AG0	6800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR38-0AG0	7200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 564-4WR38-0CG0	7500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR38-0AG0	7700	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-4WR38-0CG0	8000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR38-0AG0	8200	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-4WR38-0CG0	8600	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
6-pole													
1NA1 454-6WR38-0AG0	3800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

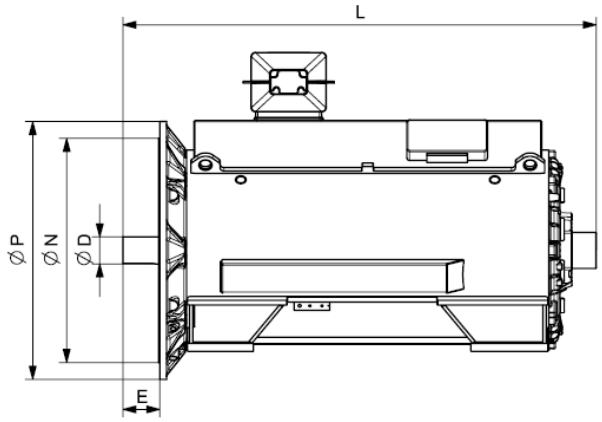
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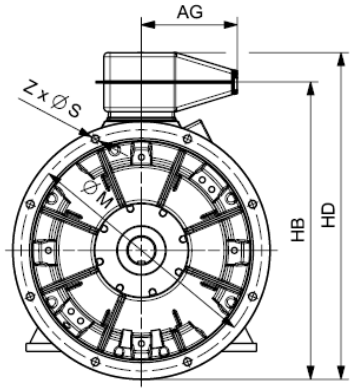




Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 454-6WR38-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR38-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-6WR38-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR38-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-6WR38-0CG0	5000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 502-6WR38-0AG0	5000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 502-6WR38-0CG0	5200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR38-0AG0	5400	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-6WR38-0CG0	5600	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR38-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-6WR38-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR38-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-6WR38-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-6WR38-0CG0	7900	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-6WR38-0CG0	8500	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-6WR38-0CG0	9100	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
8-pole													
1NA1 454-8WR38-0AG0	3800	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 454-8WR38-0CG0	4000	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR38-0AG0	4200	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 456-8WR38-0CG0	4400	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR38-0AG0	4700	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8
1NA1 458-8WR38-0CG0	4900	1064	489	120	1327	1458	2030	o.r.	1080	1000	1150	26	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NA1 IC71W 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NA1 504-8WR38-0AG0	5300	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 504-8WR38-0CG0	5500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR38-0AG0	5700	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 506-8WR38-0CG0	6000	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR38-0AG0	6200	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 508-8WR38-0CG0	6500	1114	489	140	1451	1582	2173	o.r.	1180	1120	1250	26	16
1NA1 564-8WR38-0CG0	7800	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 566-8WR38-0CG0	8400	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16
1NA1 568-8WR38-0CG0	9000	1189	489	160	1602	1733	2346	o.r.	1320	1250	1400	26	16

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SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
640	640	**1NB1 402-2AC00-4A.0**	2983	96.6	0,93	600	2049	4,10	10.0	3600	290	1876	96.0	0,91	90	1475	93.9	0,88	40	1321	90.6	0,87
610	610	**1NB1 402-2AC00-4C.0**	2984	96.5	0,92	570	1952	4,20	12.3	3600	275	1773	95.9	0,91	85	1394	93.9	0,87	40	1248	90.7	0,86
670	660	**1NB1 404-2AC00-4A.0**	2983	96.7	0,94	620	2145	4,30	11.0	3600	300	1928	96.0	0,93	95	1515	94.0	0,90	40	1357	90.7	0,89
630	630	**1NB1 404-2AC00-4C.0**	2984	96.6	0,94	580	2016	4,50	13.5	3600	285	1824	95.9	0,92	90	1434	93.9	0,89	40	1284	90.8	0,88
750	750	**1NB1 406-2AC00-4A.0**	2984	96.9	0,94	690	2400	4,40	12.2	3600	340	2184	96.3	0,92	105	1717	94.5	0,89	45	1537	91.6	0,88
750	750	**1NB1 406-2AC00-4C.0**	2985	96.8	0,93	700	2399	4,30	14.9	3600	340	2183	96.2	0,92	105	1716	94.3	0,88	45	1537	91.5	0,88
900	790	**1NB1 452-2AC00-4A.0**	2984	96.9	0,93	840	2880	2,90	12.6	3600	360	2310	96.5	0,92	110	1816	94.8	0,90	50	1626	91.8	0,89
900	790	**1NB1 452-2AC00-4C.0**	2984	96.8	0,93	840	2880	2,80	17.1	3600	360	2310	96.4	0,92	110	1816	94.7	0,90	50	1626	91.7	0,89
900	880	**1NB1 454-2AC00-4A.0**	2985	97.0	0,94	830	2879	3,10	14.1	3600	400	2567	96.5	0,93	125	2018	94.6	0,91	55	1807	91.5	0,91
850	860	**1NB1 454-2AC00-4C.0**	2986	97.0	0,94	780	2718	3,20	19.0	3600	390	2490	96.4	0,93	120	1958	94.6	0,91	55	1753	91.7	0,91
1010	1010	**1NB1 456-2AC00-4A.0**	2987	97.3	0,94	920	3229	3,80	15.5	3600	460	2953	96.8	0,93	145	2321	95.2	0,91	65	2079	92.6	0,90
1010	1010	**1NB1 456-2AC00-4C.0**	2988	97.3	0,94	920	3228	3,60	20.9	3600	460	2951	96.7	0,93	145	2319	95.1	0,91	65	2077	92.6	0,90
1010	1010	**1NB1 502-2AC00-4C.0**	2987	96.6	0,90	970	3229	3,20	27.1	3000	460	2951	96.1	0,90	145	2320	94.5	0,88	65	2077	92.1	0,87
1150	1010	**1NB1 502-2AC00-4A.0**	2984	96.7	0,89	1120	3680	2,80	20.9	3000	460	2951	96.3	0,89	145	2320	94.7	0,87	65	2077	92.1	0,87
1420	1250	**1NB1 504-2AC00-4A.0**	2987	97.0	0,90	1360	4540	3,40	23.3	3000	570	3642	96.5	0,89	180	2863	95.0	0,87	80	2563	92.8	0,87
1280	1280	**1NB1 504-2AC00-4C.0**	2989	96.9	0,91	1220	4089	3,70	30.0	3000	580	3718	96.3	0,90	180	2923	94.9	0,87	80	2617	92.7	0,87
1500	1320	**1NB1 506-2AC00-4A.0**	2987	97.0	0,91	1420	4795	3,70	26.4	3000	600	3845	96.5	0,91	190	3023	95.0	0,88	85	2707	92.7	0,88
1500	1320	**1NB1 506-2AC00-4C.0**	2988	96.9	0,92	1400	4794	3,40	33.7	3000	600	3845	96.3	0,91	190	3023	94.8	0,88	85	2707	92.7	0,88
1670	1470	**1NB1 564-2AC00-4C.0**	2991	97.0	0,91	1580	5332	3,30	50.0	3000	670	4277	96.6	0,89	210	3362	95.4	0,87	95	3010	93.7	0,86
1630	1630	**1NB1 566-2AC00-4C.0**	2992	97.2	0,92	1520	5202	3,60	55.2	3000	740	4739	96.6	0,91	230	3725	95.3	0,89	105	3335	93.5	0,89
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
710	710	**1NB1 404-4AC00-4A.0**	1492	96.5	0,88	700	4544	3,90	15.6	2600	320	4109	95.0	0,86	100	3230	92.7	0,83	45	2892	89.4	0,81
710	710	**1NB1 404-4AC00-4C.0**	1491	96.6	0,88	700	4547	3,40	19.8	2600	320	4114	95.3	0,87	100	3234	93.0	0,84	45	2896	89.5	0,82
750	750	**1NB1 406-4AC00-4A.0**	1493	96.6	0,88	740	4797	4,30	17.4	2600	340	4364	95.1	0,86	105	3431	92.9	0,82	45	3072	89.9	0,81
740	740	**1NB1 406-4AC00-4C.0**	1492	96.7	0,88	730	4736	3,80	22.1	2600	335	4316	95.4	0,86	105	3393	93.3	0,83	45	3038	90.2	0,81
900	880	**1NB1 452-4AC00-4A.0**	1492	96.8	0,89	870	5760	3,10	24.0	2400	400	5141	95.8	0,88	125	4041	93.6	0,85	55	3619	90.4	0,84
820	820	**1NB1 452-4AC00-4C.0**	1492	96.7	0,88	810	5248	3,10	30.9	2400	370	4779	95.8	0,87	115	3757	93.8	0,84	50	3364	90.6	0,83
1010	1010	**1NB1 454-4AC00-4A.0**	1492	96.9	0,90	970	6464	3,30	26.4	2400	460	5911	95.9	0,88	145	4646	93.7	0,85	65	4161	90.6	0,84
980	980	**1NB1 454-4AC00-4C.0**	1492	96.9	0,89	950	6272	3,10	33.9	2400	445	5704	95.9	0,87	140	4484	93.9	0,84	60	4015	90.7	0,83
1070	1060	**1NB1 456-4AC00-4C.0**	1493	97.0	0,89	1040	6844	3,30	39.0	2400	480	6163	96.1	0,88	150	4844	94.1	0,84	65	4338	91.3	0,83
1070	1060	**1NB1 456-4AC00-4A.0**	1493	97.0	0,90	1020	6844	3,70	30.5	2400	480	6163	96.0	0,88	150	4845	94.0	0,85	65	4338	91.3	0,84
1010	1010	**1NB1 502-4AC00-4C.0**	1493	96.3	0,87	1000	6460	2,90	37.3	2200	460	5908	95.6	0,85	145	4644	93.4	0,82	65	4158	90.0	0,82
1000	990	**1NB1 502-4AC00-4A.0**	1493	96.2	0,87	1000	6396	3,70	28.4	2200	450	5752	95.3	0,85	140	4522	93.0	0,81	60	4049	89.5	0,80
1250	1250	**1NB1 504-4AC00-4C.0**	1493	96.6	0,86	1260	7995	2,60	42.4	2200	570	7296	95.8	0,86	175	5735	93.8	0,83	80	5136	90.7	0,83

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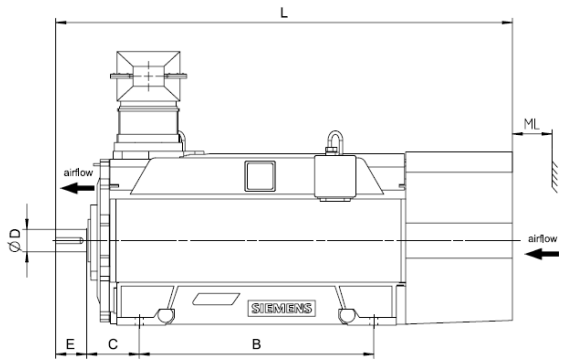
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1250	1250	**1NB1 504-4AC00-4A.0**	1492	96.6	0,87	1240	8000	3,30	32.5	2200	570	7300	95.6	0,86	175	5738	93.4	0,83	80	5138	90.2	0,82
1450	1280	**1NB1 506-4AC00-4A.0**	1492	96.5	0,89	1420	9280	3,20	37.0	2200	580	7448	95.5	0,88	180	5855	93.4	0,84	80	5243	90.4	0,83
1450	1280	**1NB1 506-4AC00-4C.0**	1492	96.6	0,88	1420	9280	2,50	48.0	2200	580	7447	95.8	0,87	180	5854	93.8	0,84	80	5242	90.8	0,84
1600	1410	**1NB1 562-4AC00-4A.0**	1493	96.4	0,89	1560	10234	2,70	54.5	2000	640	8212	95.9	0,87	200	6455	94.0	0,85	90	5780	90.9	0,84
1600	1410	**1NB1 562-4AC00-4C.0**	1492	96.5	0,88	1580	10241	2,30	72.4	2000	640	8214	96.0	0,87	200	6457	94.0	0,85	90	5782	90.9	0,85
1700	1670	**1NB1 564-4AC00-4A.0**	1494	96.9	0,89	1640	10866	3,00	59.9	2000	760	9750	96.1	0,88	235	7664	94.5	0,85	105	6863	91.9	0,84
1700	1670	**1NB1 564-4AC00-4C.0**	1493	96.9	0,88	1660	10873	2,60	79.3	2000	760	9752	96.2	0,87	235	7666	94.5	0,85	105	6865	92.0	0,84
1720	1720	**1NB1 566-4AC00-4A.0**	1494	96.9	0,90	1660	10994	3,10	66.6	2000	780	10007	96.2	0,89	245	7866	94.5	0,86	110	7044	91.9	0,86
1720	1720	**1NB1 566-4AC00-4C.0**	1494	97.0	0,89	1660	10994	2,70	88.0	2000	780	10008	96.2	0,88	245	7867	94.5	0,86	110	7045	91.9	0,86
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
530	530	**1NB1 404-6AC00-4A.0**	996	96.2	0,86	540	5081	4,10	25.9	2400	240	4619	94.1	0,83	75	3631	91.2	0,79	35	3251	87.4	0,78
560	560	**1NB1 404-6AC00-4C.0**	995	96.4	0,86	570	5374	3,30	33.3	2400	250	4858	94.8	0,85	80	3819	92.0	0,82	35	3420	88.0	0,81
560	560	**1NB1 406-6AC00-4A.0**	996	96.2	0,86	570	5369	4,40	29.6	2400	250	4847	94.1	0,83	80	3810	91.3	0,78	35	3412	87.8	0,77
600	590	**1NB1 406-6AC00-4C.0**	995	96.5	0,87	600	5758	3,60	38.1	2400	270	5162	94.9	0,85	85	4058	92.3	0,81	35	3633	88.6	0,80
710	710	**1NB1 452-6AC00-4A.0**	994	96.4	0,84	730	6821	3,20	34.8	2200	320	6172	94.7	0,83	100	4852	91.8	0,80	45	4345	87.6	0,79
710	710	**1NB1 452-6AC00-4C.0**	993	96.5	0,84	730	6828	2,80	43.4	2200	320	6177	94.9	0,83	100	4856	92.1	0,82	45	4348	87.9	0,81
800	800	**1NB1 454-6AC00-4A.0**	994	96.5	0,85	820	7686	3,30	39.5	2200	365	7019	94.8	0,83	115	5517	92.1	0,81	50	4941	88.2	0,80
800	800	**1NB1 454-6AC00-4C.0**	994	96.7	0,85	810	7686	2,90	49.1	2200	365	7026	95.1	0,84	115	5523	92.5	0,82	50	4946	88.5	0,81
800	800	**1NB1 456-6AC00-4A.0**	996	96.5	0,83	840	7670	4,40	45.8	2200	365	7004	94.7	0,79	115	5506	92.1	0,74	50	4930	88.5	0,72
850	840	**1NB1 456-6AC00-4C.0**	995	96.7	0,84	880	8158	3,60	56.7	2200	380	7318	95.2	0,81	120	5752	92.8	0,78	50	5151	89.3	0,76
900	880	**1NB1 500-6AC00-4C.0**	994	96.4	0,86	910	8646	2,10	59.8	2100	400	7715	95.4	0,86	125	6064	92.9	0,85	55	5430	89.2	0,85
810	810	**1NB1 500-6AC00-4A.0**	993	96.3	0,84	840	7789	2,40	46.5	2100	370	7108	95.0	0,84	115	5587	92.2	0,83	50	5003	88.3	0,82
1010	1010	**1NB1 502-6AC00-4A.0**	993	96.5	0,83	1060	9713	2,50	52.7	2100	460	8885	95.3	0,83	145	6984	92.7	0,82	65	6254	88.9	0,82
1070	1080	**1NB1 502-6AC00-4C.0**	994	96.7	0,86	1080	10279	2,20	67.5	2100	490	9414	95.8	0,86	150	7400	93.4	0,85	65	6626	90.0	0,84
1110	1110	**1NB1 504-6AC00-4C.0**	995	96.7	0,87	1100	10653	2,20	76.1	2100	505	9719	95.7	0,87	155	7640	93.4	0,86	70	6841	90.0	0,85
1070	1060	**1NB1 504-6AC00-4A.0**	993	96.5	0,85	1100	10290	2,40	59.7	2100	480	9270	95.3	0,85	150	7287	92.6	0,84	65	6525	88.9	0,83
1250	1230	**1NB1 506-6AC00-4C.0**	995	96.8	0,87	1240	11997	2,40	85.6	2100	560	10788	95.8	0,86	175	8480	93.6	0,85	75	7594	90.6	0,84
1250	1230	**1NB1 506-6AC00-4A.0**	993	96.6	0,86	1260	12021	2,60	67.3	2100	560	10811	95.3	0,85	175	8498	92.7	0,84	75	7610	89.3	0,83
1610	1420	**1NB1 562-6AC00-4C.0**	994	96.9	0,87	1600	15467	2,30	120.2	2000	645	12413	96.0	0,87	200	9757	93.8	0,87	90	8737	90.4	0,86
1725	1720	**1NB1 564-6AC00-4C.0**	995	97.2	0,87	1700	16555	2,70	136.7	2000	780	15026	96.1	0,87	245	11811	94.0	0,86	110	10576	91.0	0,85
1860	1860	**1NB1 566-6AC00-4C.0**	996	97.3	0,86	1860	17833	3,30	151.8	2000	845	16233	96.1	0,85	265	12760	94.3	0,82	115	11426	91.8	0,81
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						
430	430	**1NB1 404-8AC00-4A.0**	745	95.9	0,82	460	5512	3,40	26.7	2400	195	5049	93.2	0,79	60	3969	89.0	0,75	25	3554	83.5	0,74
430	430	**1NB1 404-8AC00-4C.0**	744	95.8	0,81	465	5519	2,90	32.9	2400	195	5061	93.4	0,79	60	3978	89.2	0,75	25	3562	83.4	0,75
460	460	**1NB1 406-8AC00-4A.0**	746	95.7	0,77	520	5888	4,40	30.6	2400	210	5345	92.5	0,72	65	4201	88.2	0,66	30	3762	82.7	0,65

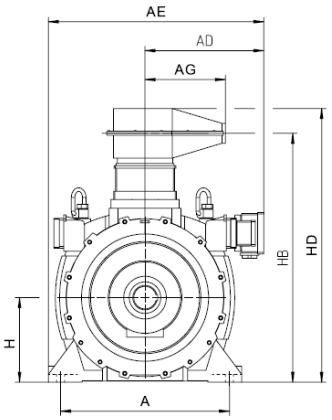
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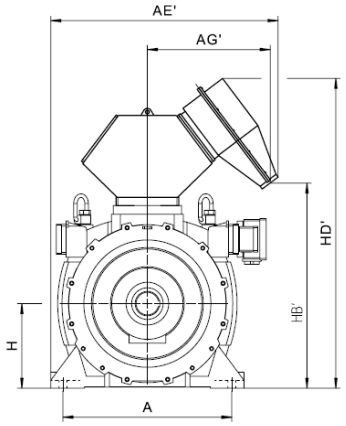
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
460	460	**1NB1 406-8AC00-4C.0**	745	95.9	0,78	510	5896	3,70	37.6	2400	210	5352	93.3	0,74	65	4207	89.2	0,68	30	3767	83.8	0,67
630	560	**1NB1 452-8AC00-4A.0**	743	95.6	0,78	710	8097	2,30	35.1	2200	250	6498	93.5	0,77	80	5108	89.6	0,75	35	4574	83.9	0,75
630	560	**1NB1 452-8AC00-4C.0**	741	95.5	0,79	700	8119	2,30	43.0	2200	250	6519	93.5	0,77	80	5124	89.4	0,76	35	4588	83.3	0,76
630	640	**1NB1 454-8AC00-4A.0**	744	95.9	0,79	700	8086	2,70	39.9	2200	290	7424	93.6	0,78	90	5836	89.7	0,76	40	5226	84.2	0,75
630	630	**1NB1 454-8AC00-4C.0**	743	95.9	0,79	700	8097	2,80	48.8	2200	285	7339	93.7	0,78	90	5769	89.7	0,76	40	5166	83.9	0,76
670	660	**1NB1 456-8AC00-4A.0**	745	96.0	0,79	740	8588	3,10	46.4	2200	300	7722	93.6	0,77	95	6070	89.9	0,73	40	5436	84.7	0,72
670	660	**1NB1 456-8AC00-4C.0**	744	96.0	0,79	740	8600	3,20	56.4	2200	300	7735	93.8	0,77	95	6080	90.0	0,74	40	5445	84.7	0,73
810	710	**1NB1 502-8AC00-4C.0**	744	95.7	0,85	830	10396	2,00	67.0	2100	325	8351	94.6	0,83	100	6564	91.6	0,81	45	5878	87.0	0,80
800	710	**1NB1 502-8AC00-4A.0**	743	95.6	0,80	880	10282	1,70	52.0	2100	320	8255	94.5	0,79	100	6489	91.4	0,78	45	5811	86.4	0,78
850	840	**1NB1 504-8AC00-4A.0**	744	96.0	0,80	930	10910	2,00	58.8	2100	380	9799	94.6	0,80	120	7703	91.7	0,78	50	6897	87.2	0,77
840	850	**1NB1 504-8AC00-4C.0**	745	96.0	0,84	870	10767	2,40	75.6	2100	385	9889	94.7	0,83	120	7774	91.8	0,80	50	6961	87.7	0,79
850	860	**1NB1 506-8AC00-4A.0**	745	96.1	0,81	910	10895	2,50	66.4	2100	390	9984	94.7	0,79	120	7848	91.8	0,76	55	7028	87.8	0,74
900	880	**1NB1 506-8AC00-4C.0**	746	96.0	0,84	930	11521	2,70	85.1	2100	400	10286	94.6	0,82	125	8086	91.9	0,78	55	7240	88.1	0,77
1120	1100	**1NB1 562-8AC00-4C.0**	745	96.7	0,84	1160	14356	2,20	119.6	2000	500	12875	95.4	0,84	155	10121	92.8	0,82	70	9063	89.0	0,81
1285	1280	**1NB1 564-8AC00-4C.0**	745	96.8	0,84	1320	16471	2,30	136.3	2000	580	14929	95.5	0,84	180	11735	92.8	0,82	80	10508	89.0	0,81
1335	1330	**1NB1 566-8AC00-4C.0**	745	96.9	0,85	1360	17112	2,30	151.7	2000	605	15545	95.6	0,84	190	12220	93.0	0,83	85	10942	89.4	0,82

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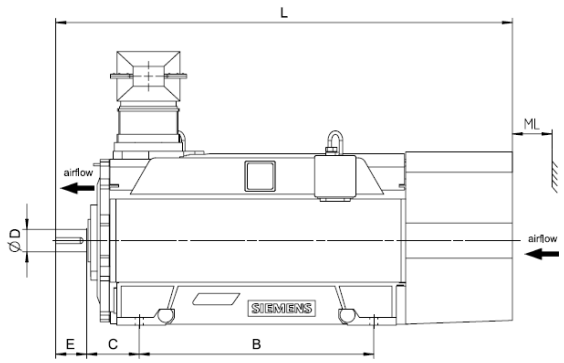


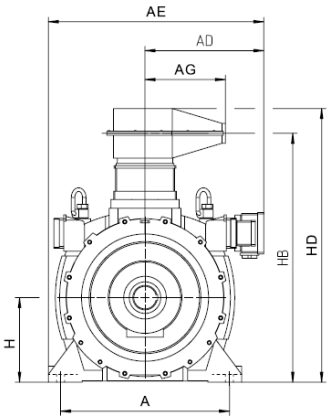


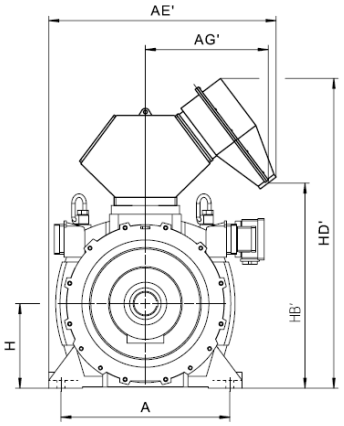


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 402-2AC00-4A.0	3800	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 402-2AC00-4C.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC00-4A.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC00-4C.0	4000	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC00-4A.0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC00-4C.0	4200	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 452-2AC00-4A.0	4800	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 452-2AC00-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 454-2AC00-4A.0	5000	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 454-2AC00-4C.0	5200	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 456-2AC00-4A.0	5300	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 456-2AC00-4C.0	5500	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 502-2AC00-4C.0	6500	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 502-2AC00-4A.0	6400	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 504-2AC00-4A.0	6700	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 504-2AC00-4C.0	6800	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 506-2AC00-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 506-2AC00-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	2457	200
1NB1 564-2AC00-4C.0	8800	1120	684	831	1319	1466	371	719	1400	335	120	165	560	1682	1447	1847	2031	2628	225
1NB1 566-2AC00-4C.0	9200	1120	684	831	1319	1466	371	719	1400	335	120	165	560	1682	1447	1847	2031	2628	225
4-pole																			
1NB1 404-4AC00-4A.0	4000	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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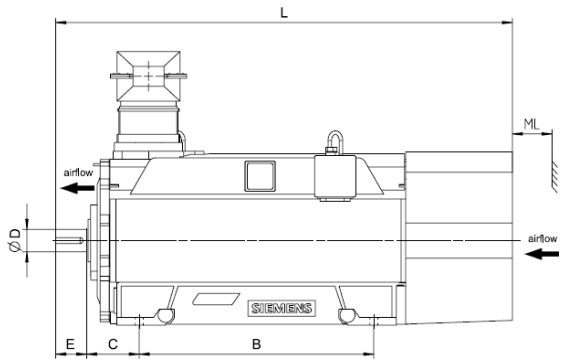


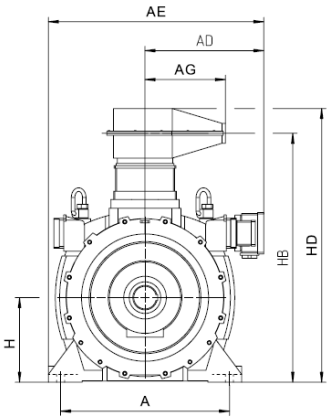


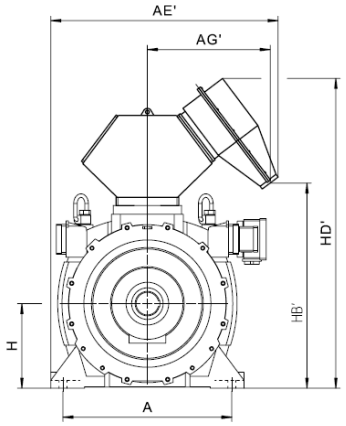


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 404-4AC00-4C.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC00-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC00-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-4AC00-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-4AC00-4C.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC00-4A.0	5200	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC00-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC00-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC00-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-4AC00-4C.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-4AC00-4A.0	6400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC00-4C.0	7100	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC00-4A.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC00-4A.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC00-4C.0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-4AC00-4A.0	8600	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 562-4AC00-4C.0	8900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC00-4A.0	9100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC00-4C.0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC00-4A.0	9600	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC00-4C.0	10000	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
6-pole																			
1NB1 404-6AC00-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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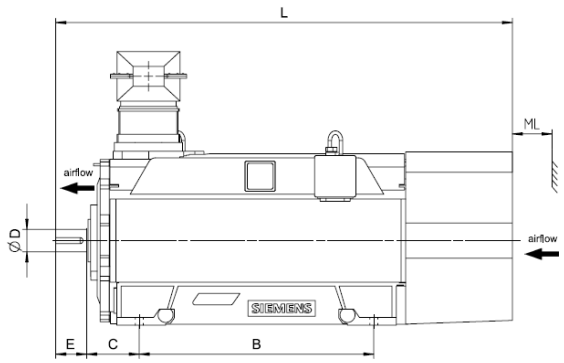


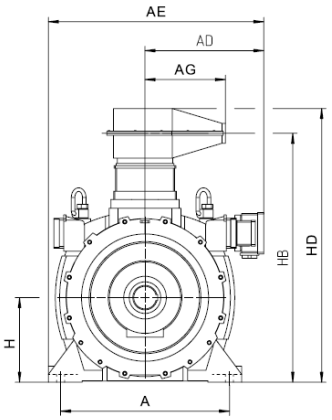


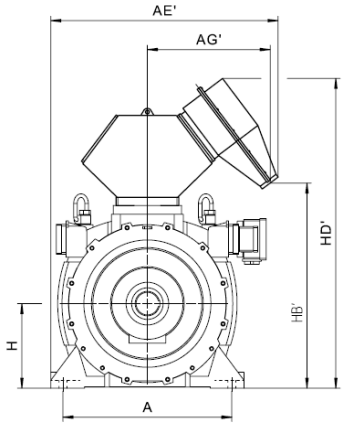


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 404-6AC00-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC00-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC00-4C.0	4600	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-6AC00-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-6AC00-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC00-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC00-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC00-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC00-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 500-6AC00-4C.0	6500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 500-6AC00-4A.0	6300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC00-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC00-4C.0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC00-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC00-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC00-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC00-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-6AC00-4C.0	9200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-6AC00-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-6AC00-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
8-pole																			
1NB1 404-8AC00-4A.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-8AC00-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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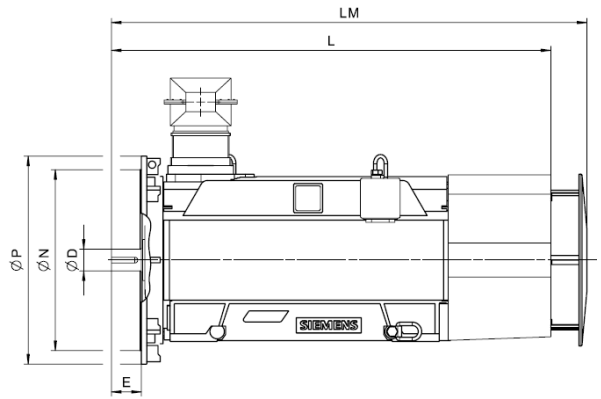


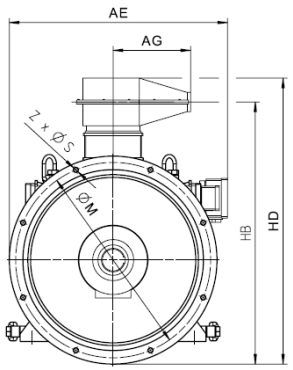


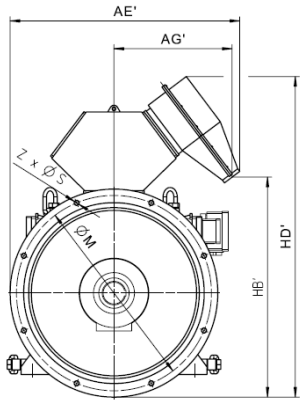


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 406-8AC00-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-8AC00-4C.0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-8AC00-4A.0	4800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-8AC00-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC00-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC00-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC00-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC00-4C.0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-8AC00-4C.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-8AC00-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC00-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC00-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC00-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC00-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-8AC00-4C.0	9300	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-8AC00-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-8AC00-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225

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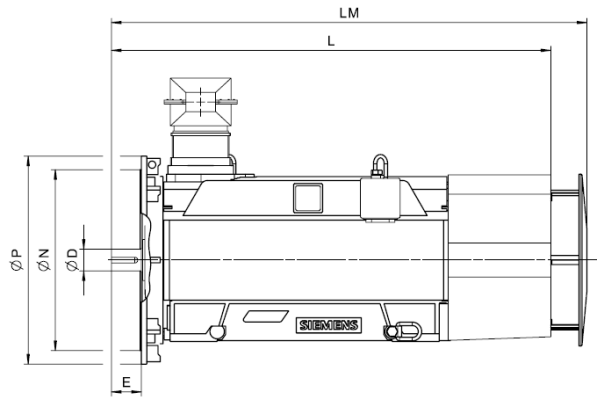


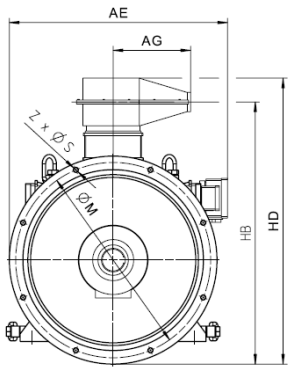


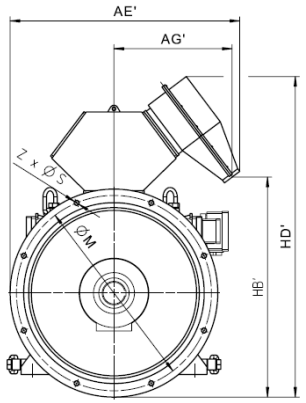


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NB1 402-2AC04-4AA0	4000	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 402-2AC04-4CA0	4000	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 404-2AC04-4AA0	4100	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 404-2AC04-4CA0	4200	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 406-2AC04-4AA0	4300	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
1NB1 406-2AC04-4CA0	4400	1041	356	85	1285	1499	2147	2347	940	880	1000	24	8
4-pole													
1NB1 404-4AC04-4AA0	4200	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-4AC04-4CA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC04-4AA0	4400	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC04-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-4AC04-4AA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-4AC04-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC04-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC04-4CA0	5600	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC04-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC04-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-4AC04-4CA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-4AC04-4AA0	6700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC04-4CA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC04-4AA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-4AC04-4AA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16

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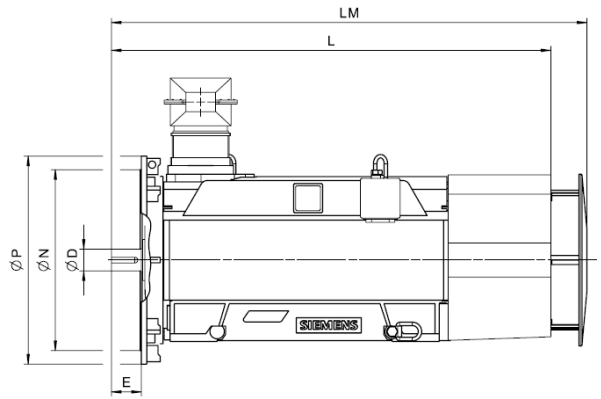


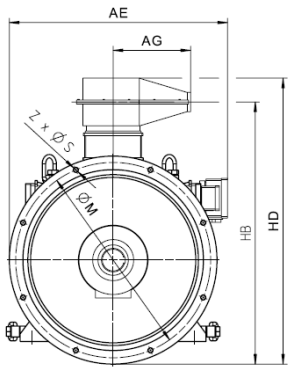


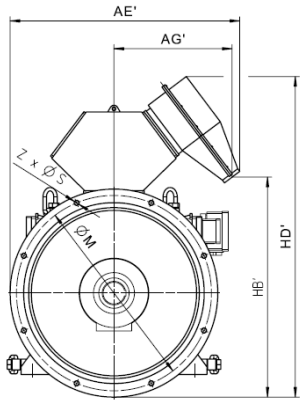


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 506-4AC04-4CA0	7800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-4AC04-4AA0	9000	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 562-4AC04-4CA0	9300	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC04-4AA0	9500	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC04-4CA0	9800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC04-4AA0	10000	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC04-4CA0	10300	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 404-6AC04-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-6AC04-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC04-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC04-4CA0	4800	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-6AC04-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-6AC04-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC04-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC04-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC04-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC04-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 500-6AC04-4CA0	6800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 500-6AC04-4AA0	6600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC04-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC04-4CA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-6AC04-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16

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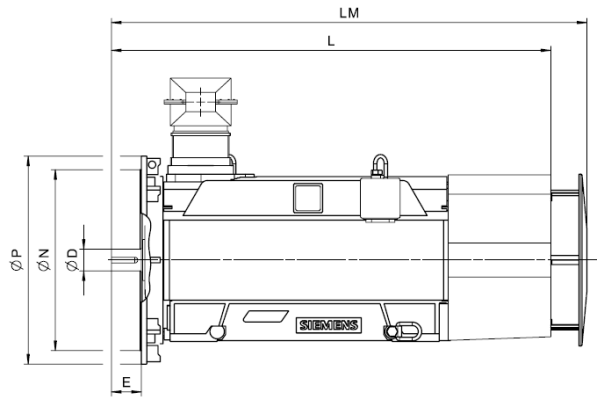


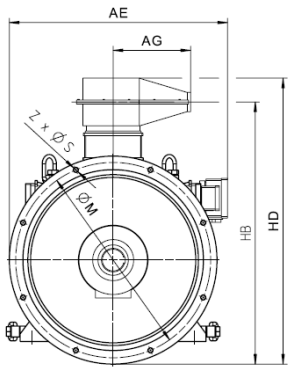


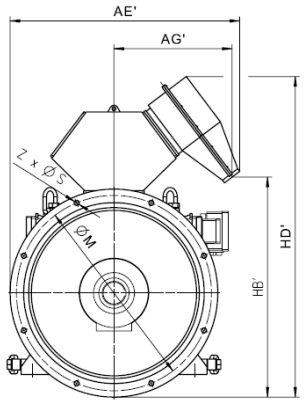


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 504-6AC04-4AA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC04-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC04-4AA0	7700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-6AC04-4CA0	9600	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-6AC04-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-6AC04-4CA0	10900	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 404-8AC04-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-8AC04-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC04-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC04-4CA0	4700	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-8AC04-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-8AC04-4CA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC04-4AA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC04-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC04-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC04-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-8AC04-4CA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-8AC04-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC04-4AA0	7200	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC04-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC04-4AA0	7600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC04-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 562-8AC04-4CA0	9700	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-8AC04-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-8AC04-4CA0	10800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
880	780	**1NB1 402-2AC10-4A.0**	3580	96.5	0,93	820	2347	3,40	10.0	3600	350	1883	96.2	0,91	110	1480	94.6	0,88	50	1325	91.9	0,87
850	750	**1NB1 402-2AC10-4C.0**	3581	96.4	0,92	800	2267	3,40	12.3	3600	340	1818	96.1	0,90	105	1429	94.4	0,87	45	1279	91.8	0,86
900	790	**1NB1 404-2AC10-4A.0**	3581	96.6	0,94	830	2400	3,90	11.0	3600	360	1925	96.2	0,92	110	1513	94.6	0,89	50	1355	92.0	0,88
880	780	**1NB1 404-2AC10-4C.0**	3582	96.5	0,94	810	2346	3,90	13.5	3600	350	1883	96.0	0,92	110	1481	94.5	0,88	50	1326	91.9	0,87
950	840	**1NB1 406-2AC10-4A.0**	3582	96.6	0,95	870	2533	4,10	12.2	3600	380	2033	96.2	0,93	120	1598	94.6	0,90	50	1431	92.0	0,89
910	800	**1NB1 406-2AC10-4C.0**	3583	96.5	0,94	840	2425	4,20	14.9	3600	365	1946	96.0	0,92	115	1530	94.5	0,89	50	1370	92.0	0,88
1000	880	**1NB1 452-2AC10-4AC0**	3585	97.0	0,93	930	2664	3,10	12.5	3600	400	2138	96.9	0,92	125	1680	95.7	0,89	55	1505	93.7	0,88
1000	880	**1NB1 452-2AC10-4C.0**	3585	96.8	0,93	930	2664	3,00	17.4	3600	400	2136	96.7	0,92	125	1679	95.6	0,89	55	1504	93.6	0,88
1100	970	**1NB1 454-2AC10-4AC0**	3586	97.0	0,94	1000	2929	3,30	13.8	3600	440	2351	96.8	0,92	140	1848	95.5	0,90	60	1655	93.4	0,89
1100	970	**1NB1 454-2AC10-4C.0**	3586	96.9	0,94	1020	2929	3,20	19.3	3600	440	2352	96.7	0,92	140	1849	95.4	0,90	60	1655	93.3	0,89
1160	1020	**1NB1 456-2AC10-4AC0**	3584	97.0	0,94	1060	3091	3,00	15.3	3600	465	2479	96.8	0,93	145	1949	95.4	0,92	65	1745	93.0	0,91
1200	1060	**1NB1 456-2AC10-4C.0**	3584	96.9	0,94	1100	3197	2,80	21.3	3600	480	2565	96.6	0,94	150	2016	95.2	0,92	65	1805	92.8	0,91
1400	1230	**1NB1 502-2AC10-4CC0**	3586	96.5	0,90	1340	3728	3,00	26.8	3600	560	2991	96.2	0,89	175	2351	95.0	0,87	80	2105	93.1	0,87
1550	1370	**1NB1 504-2AC10-4CC0**	3586	96.6	0,91	1480	4128	3,00	29.8	3600	620	3311	96.1	0,91	195	2603	94.9	0,89	85	2331	92.9	0,88
1800	1590	**1NB1 506-2AC10-4CC0**	3589	96.9	0,91	1700	4789	3,60	33.5	3600	720	3841	96.2	0,90	225	3020	95.1	0,87	100	2704	93.6	0,86
1800	1590	**1NB1 564-2AC10-4CC0**	3590	96.7	0,91	1720	4788	2,90	49.5	3600	720	3841	96.3	0,91	225	3020	95.3	0,89	100	2704	93.7	0,89
2050	1810	**1NB1 566-2AC10-4CC0**	3592	96.8	0,92	1920	5450	3,50	55.3	3600	820	4371	96.4	0,90	255	3436	95.4	0,88	115	3077	93.8	0,87
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
900	790	**1NB1 404-4AC10-4A.0**	1791	96.4	0,89	880	4799	3,30	15.6	2600	360	3849	95.1	0,87	110	3026	93.2	0,84	50	2710	90.4	0,82
910	800	**1NB1 404-4AC10-4C.0**	1790	96.5	0,89	890	4855	2,90	19.8	2600	365	3896	95.4	0,87	115	3062	93.4	0,84	50	2742	90.4	0,83
950	840	**1NB1 406-4AC10-4A.0**	1792	96.5	0,89	930	5062	3,80	17.4	2600	380	4060	95.0	0,86	120	3192	93.2	0,82	55	2858	90.7	0,80
950	840	**1NB1 406-4AC10-4C.0**	1791	96.6	0,89	920	5065	3,30	22.1	2600	380	4063	95.4	0,86	120	3194	93.7	0,83	55	2860	91.0	0,81
1120	990	**1NB1 452-4AC10-4A.0**	1790	96.7	0,90	1080	5975	2,80	24.0	2400	450	4792	95.8	0,88	140	3767	94.1	0,85	60	3373	91.4	0,85
1120	990	**1NB1 452-4AC10-4C.0**	1790	96.6	0,89	1100	5975	2,60	30.9	2400	450	4793	95.9	0,87	140	3768	94.1	0,85	60	3374	91.3	0,84
1260	1110	**1NB1 454-4AC10-4A.0**	1792	96.8	0,90	1220	6714	3,40	26.4	2400	505	5386	95.8	0,87	160	4234	94.1	0,83	70	3791	91.7	0,82
1250	1100	**1NB1 454-4AC10-4C.0**	1792	96.8	0,89	1220	6661	3,00	33.9	2400	500	5343	95.9	0,86	155	4200	94.2	0,83	70	3761	91.7	0,82
1360	1200	**1NB1 456-4AC10-4A.0**	1792	97.0	0,90	1300	7247	3,50	30.5	2400	545	5813	96.0	0,88	170	4569	94.4	0,84	75	4092	92.3	0,83
1350	1190	**1NB1 456-4AC10-4C.0**	1792	96.9	0,90	1300	7194	3,20	39.0	2400	540	5769	96.1	0,87	170	4535	94.5	0,83	75	4061	92.3	0,82
1400	1230	**1NB1 502-4AC10-4A.0**	1790	96.1	0,87	1400	7469	2,70	28.4	2200	560	5994	95.5	0,86	175	4712	93.6	0,83	75	4219	90.8	0,82
1400	1230	**1NB1 502-4AC10-4C.0**	1791	96.2	0,86	1420	7465	2,10	37.3	2200	560	5991	95.7	0,85	175	4709	93.9	0,83	75	4217	91.1	0,83
1550	1370	**1NB1 504-4AC10-4A.0**	1790	96.2	0,89	1520	8269	2,70	32.5	2200	620	6636	95.4	0,88	195	5216	93.6	0,86	85	4671	90.7	0,85
1550	1370	**1NB1 504-4AC10-4C.0**	1791	96.3	0,87	1540	8264	2,20	42.4	2200	620	6632	95.7	0,87	195	5213	93.8	0,85	85	4668	91.0	0,85
1800	1590	**1NB1 506-4AC10-4A.0**	1792	96.5	0,89	1760	9592	3,10	37.0	2200	720	7698	95.6	0,87	225	6051	93.9	0,84	100	5419	91.5	0,82
1800	1590	**1NB1 506-4AC10-4C.0**	1792	96.6	0,87	1800	9592	2,40	48.0	2200	720	7696	95.9	0,86	225	6050	94.3	0,84	100	5417	91.9	0,83

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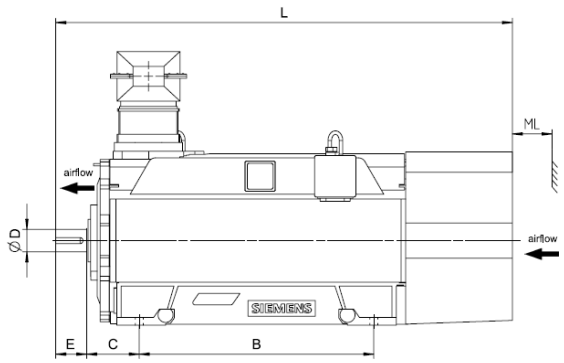
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1870	1650	**1NB1 562-4AC10-4C.0**	1792	96.4	0,88	1840	9965	2,20	72.4	2000	750	8000	96.0	0,87	235	6288	94.6	0,85	105	5631	92.4	0,85
1870	1650	**1NB1 562-4AC10-4A.0**	1792	96.2	0,88	1840	9965	2,50	54.5	2000	750	7998	95.9	0,87	235	6287	94.6	0,85	105	5630	92.4	0,84
2100	1850	**1NB1 564-4AC10-4A.0**	1793	96.4	0,88	2050	11184	2,70	59.9	2000	840	8975	96.0	0,87	265	7055	94.6	0,84	115	6318	92.4	0,83
2100	1850	**1NB1 564-4AC10-4C.0**	1793	96.6	0,88	2050	11184	2,40	79.3	2000	840	8977	96.1	0,87	265	7057	94.7	0,84	115	6319	92.4	0,84
2170	1910	**1NB1 566-4AC10-4A.0**	1793	96.5	0,89	2100	11557	2,70	66.6	2000	870	9270	96.1	0,88	270	7287	94.7	0,86	120	6525	92.4	0,85
2200	1940	**1NB1 566-4AC10-4C.0**	1793	96.6	0,89	2150	11717	2,30	88.0	2000	880	9406	96.1	0,88	275	7394	94.7	0,86	120	6621	92.4	0,86
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
700	620	**1NB1 404-6AC10-4A.0**	1195	96.2	0,88	690	5594	3,30	25.9	2400	280	4488	94.3	0,85	90	3528	91.7	0,82	40	3159	88.5	0,81
710	630	**1NB1 404-6AC10-4C.0**	1194	96.4	0,87	710	5678	2,80	33.3	2400	285	4558	94.9	0,85	90	3583	92.5	0,83	40	3208	89.1	0,82
730	640	**1NB1 406-6AC10-4A.0**	1196	96.3	0,87	730	5829	3,80	29.6	2400	290	4677	94.1	0,84	90	3676	91.7	0,79	40	3292	88.8	0,78
770	680	**1NB1 406-6AC10-4C.0**	1194	96.5	0,87	770	6158	3,10	38.1	2400	310	4938	95.0	0,85	95	3882	92.8	0,82	45	3476	89.7	0,80
900	790	**1NB1 452-6AC10-4A.0**	1193	96.4	0,85	920	7204	2,70	34.8	2200	360	5779	94.9	0,84	110	4543	92.5	0,81	50	4068	89.1	0,80
900	790	**1NB1 452-6AC10-4C.0**	1192	96.5	0,85	920	7210	2,40	43.4	2200	360	5785	95.2	0,84	110	4547	92.8	0,82	50	4072	89.3	0,82
1000	880	**1NB1 454-6AC10-4A.0**	1194	96.5	0,85	1020	7998	3,30	39.5	2200	400	6414	94.7	0,81	125	5042	92.4	0,77	55	4515	89.3	0,76
1050	930	**1NB1 454-6AC10-4C.0**	1193	96.7	0,85	1060	8405	2,70	49.1	2200	420	6743	95.3	0,83	130	5301	93.0	0,80	60	4746	89.8	0,79
1070	940	**1NB1 456-6AC10-4A.0**	1195	96.6	0,85	1100	8550	3,50	45.8	2200	430	6860	94.9	0,81	135	5393	92.9	0,77	60	4829	90.1	0,75
1100	970	**1NB1 456-6AC10-4C.0**	1194	96.8	0,85	1120	8798	3,00	56.7	2200	440	7057	95.4	0,83	135	5547	93.5	0,79	60	4967	90.7	0,78
1250	1100	**1NB1 500-6AC10-4C.0**	1193	96.5	0,86	1260	10006	1,90	59.8	2100	500	8030	95.8	0,86	155	6312	93.7	0,85	70	5652	90.6	0,84
1150	1010	**1NB1 500-6AC10-4A.0**	1192	96.3	0,83	1200	9213	2,10	46.5	2100	460	7394	95.3	0,83	145	5812	93.0	0,82	65	5205	89.7	0,81
1360	1200	**1NB1 502-6AC10-4A.0**	1192	96.4	0,83	1420	10895	2,00	52.7	2100	545	8748	95.4	0,84	170	6877	93.1	0,83	75	6158	89.9	0,82
1450	1280	**1NB1 502-6AC10-4C.0**	1193	96.6	0,86	1460	11606	1,80	67.5	2100	580	9317	95.9	0,86	180	7324	93.8	0,85	80	6558	90.9	0,85
1500	1320	**1NB1 504-6AC10-4A.0**	1193	96.6	0,84	1540	12007	2,40	59.7	2100	600	9631	95.4	0,83	185	7571	93.3	0,81	85	6779	90.4	0,80
1500	1320	**1NB1 504-6AC10-4C.0**	1195	96.8	0,86	1500	11987	2,30	76.1	2100	600	9619	95.9	0,85	190	7561	94.1	0,82	85	6771	91.6	0,81
1550	1370	**1NB1 506-6AC10-4A.0**	1193	96.6	0,86	1560	12407	2,50	67.3	2100	620	9957	95.4	0,85	195	7827	93.2	0,83	85	7008	90.4	0,81
1600	1410	**1NB1 506-6AC10-4C.0**	1195	96.8	0,87	1580	12786	2,20	85.6	2100	640	10261	95.8	0,86	200	8066	94.0	0,84	90	7222	91.4	0,83
1900	1670	**1NB1 562-6AC10-4C.0**	1195	97.0	0,87	1880	15183	2,50	120.2	2000	760	12183	95.9	0,86	240	9577	94.0	0,85	105	8576	91.4	0,84
2050	1810	**1NB1 564-6AC10-4C.0**	1196	97.1	0,87	2050	16368	3,00	136.7	2000	820	13133	95.8	0,85	255	10323	94.2	0,82	115	9244	92.0	0,81
2270	2000	**1NB1 566-6AC10-4C.0**	1195	97.2	0,88	2200	18140	2,60	151.8	2000	910	14550	96.0	0,87	285	11438	94.2	0,85	125	10242	92.0	0,84
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						
560	490	**1NB1 404-8AC10-4A.0**	894	96.0	0,84	580	5982	2,90	26.7	2400	225	4804	93.3	0,81	70	3776	89.8	0,77	30	3381	85.1	0,76
560	490	**1NB1 404-8AC10-4C.0**	892	95.8	0,82	600	5995	2,40	32.9	2400	225	4812	93.6	0,80	70	3783	89.9	0,77	30	3387	84.9	0,76
600	530	**1NB1 406-8AC10-4A.0**	894	95.9	0,84	620	6409	3,30	30.6	2400	240	5140	93.0	0,79	75	4040	89.3	0,74	35	3618	84.7	0,73
590	520	**1NB1 406-8AC10-4C.0**	894	95.9	0,82	630	6302	2,80	37.6	2400	235	5060	93.4	0,79	75	3978	89.8	0,74	30	3562	85.1	0,73
700	620	**1NB1 452-8AC10-4A.0**	893	95.8	0,79	770	7485	2,20	35.1	2200	280	6007	93.8	0,78	85	4722	90.4	0,76	40	4228	85.6	0,75
700	620	**1NB1 452-8AC10-4C.0**	891	95.7	0,78	780	7502	2,30	43.0	2200	280	6020	93.8	0,78	85	4732	90.2	0,77	40	4237	85.1	0,76

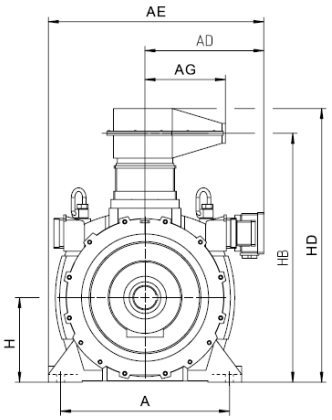
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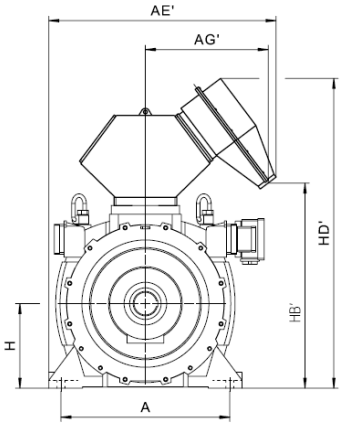
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
850	750	**1NB1 454-8AC10-4A.0**	892	95.8	0,80	930	9100	2,10	39.9	2200	340	7300	93.9	0,80	105	5739	90.5	0,78	45	5139	85.7	0,78
810	710	**1NB1 454-8AC10-4C.0**	891	95.8	0,80	880	8681	2,20	48.8	2200	325	6966	93.9	0,79	100	5476	90.4	0,78	45	4903	85.4	0,77
950	840	**1NB1 456-8AC10-4C.0**	893	96.2	0,79	1040	10159	2,80	56.4	2200	380	8153	94.3	0,76	120	6409	91.3	0,73	50	5739	87.0	0,72
920	810	**1NB1 456-8AC10-4A.0**	895	96.1	0,79	1020	9816	2,80	46.4	2200	370	7881	93.9	0,75	115	6195	90.8	0,70	50	5547	86.8	0,69
1000	880	**1NB1 502-8AC10-4C.0**	893	95.8	0,85	1020	10694	1,90	67.0	2100	400	8584	94.7	0,84	125	6748	92.2	0,81	55	6042	88.3	0,81
910	800	**1NB1 502-8AC10-4A.0**	893	95.9	0,80	990	9731	1,80	52.0	2100	365	7809	94.8	0,79	115	6139	92.2	0,78	50	5497	88.3	0,77
1060	930	**1NB1 504-8AC10-4A.0**	893	96.0	0,81	1140	11335	1,80	58.8	2100	425	9093	94.8	0,80	130	7148	92.2	0,78	60	6401	88.4	0,77
1100	970	**1NB1 504-8AC10-4C.0**	894	95.9	0,85	1120	11750	2,00	75.6	2100	440	9432	94.7	0,83	135	7415	92.2	0,81	60	6639	88.6	0,80
1110	980	**1NB1 506-8AC10-4A.0**	894	96.1	0,82	1180	11857	1,90	66.4	2100	445	9519	94.8	0,81	140	7483	92.3	0,78	60	6700	88.6	0,77
1120	990	**1NB1 506-8AC10-4C.0**	894	96.0	0,85	1140	11963	2,20	85.1	2100	450	9596	94.6	0,83	140	7543	92.2	0,80	60	6754	88.9	0,79
1430	1260	**1NB1 562-8AC10-4C.0**	894	96.5	0,85	1460	15275	2,00	119.6	2000	570	12260	95.5	0,84	180	9637	93.0	0,83	80	8630	89.7	0,82
1480	1300	**1NB1 564-8AC10-4C.0**	895	96.6	0,85	1500	15791	2,10	136.3	2000	590	12676	95.4	0,84	185	9965	93.1	0,82	80	8923	90.0	0,81
1700	1500	**1NB1 566-8AC10-4C.0**	895	96.7	0,85	1740	18138	2,20	151.7	2000	680	14557	95.3	0,84	210	11443	93.1	0,82	95	10246	90.2	0,80

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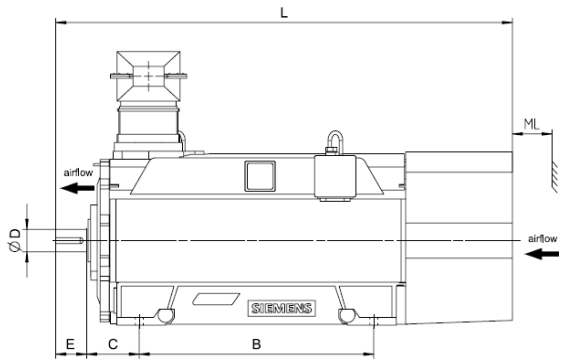


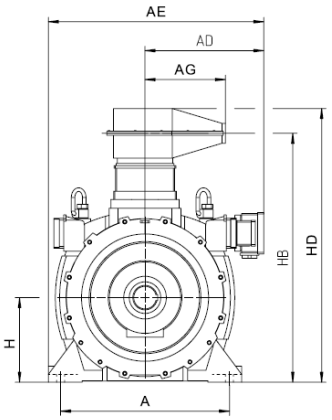


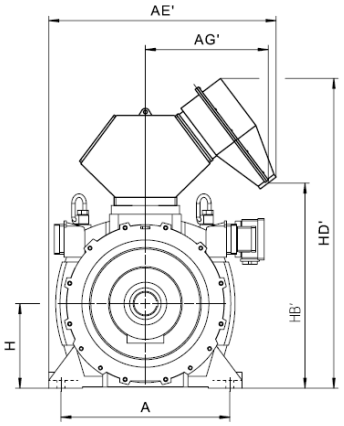


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 402-2AC10-4A.0	3800	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 402-2AC10-4C.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC10-4A.0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 404-2AC10-4C.0	4000	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC10-4A.0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 406-2AC10-4C.0	4200	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2147	160
1NB1 452-2AC10-4AC0	5000	900	557	746	1072	1261	356	575	1250	500	95	130	450	1278	1122	1492	1734	2584	180
1NB1 452-2AC10-4C.0	4900	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 454-2AC10-4AC0	5200	900	557	746	1072	1261	356	575	1250	500	95	130	450	1278	1122	1492	1734	2584	180
1NB1 454-2AC10-4C.0	5100	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 456-2AC10-4AC0	5400	900	557	746	1072	1261	356	575	1250	500	95	130	450	1278	1122	1492	1734	2584	180
1NB1 456-2AC10-4C.0	5400	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	2289	180
1NB1 502-2AC10-4CC0	6700	1000	629	831	1194	1396	371	719	1320	560	110	165	500	1557	1322	1723	1907	2782	200
1NB1 504-2AC10-4CC0	7100	1000	629	831	1194	1396	371	719	1320	560	110	165	500	1557	1322	1723	1907	2782	200
1NB1 506-2AC10-4CC0	7500	1000	629	831	1194	1396	371	719	1320	560	110	165	500	1557	1322	1723	1907	2782	200
1NB1 564-2AC10-4CC0	8800	1120	684	831	1319	1466	371	719	1400	600	120	165	560	1682	1447	1847	2031	2913	225
1NB1 566-2AC10-4CC0	9300	1120	684	831	1319	1466	371	719	1400	600	120	165	560	1682	1447	1847	2031	2913	225
4-pole																			
1NB1 404-4AC10-4A.0	4000	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-4AC10-4C.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC10-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-4AC10-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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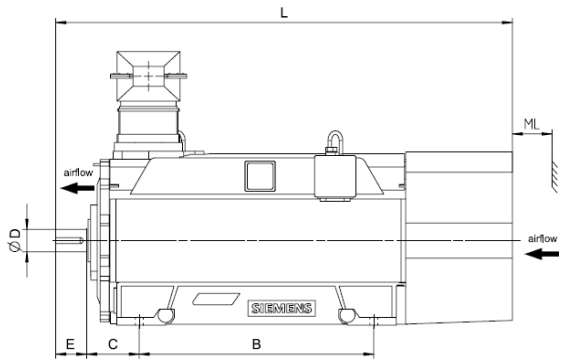


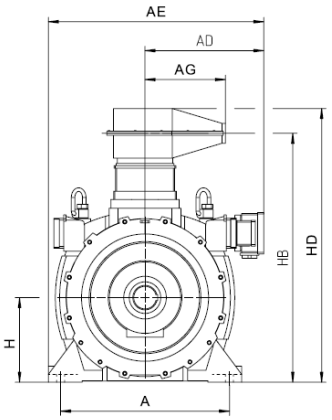


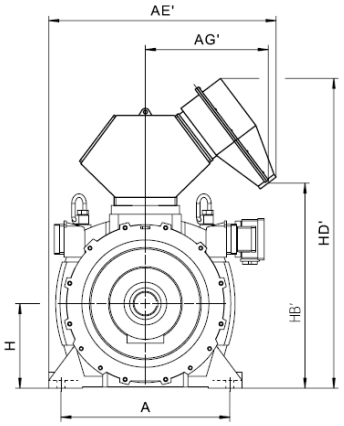


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-4AC10-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-4AC10-4C.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC10-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-4AC10-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC10-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-4AC10-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-4AC10-4A.0	6400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-4AC10-4C.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC10-4A.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-4AC10-4C.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC10-4A.0	7300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-4AC10-4C.0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-4AC10-4C.0	9000	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 562-4AC10-4A.0	8700	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC10-4A.0	9100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-4AC10-4C.0	9400	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC10-4A.0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-4AC10-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
6-pole																			
1NB1 404-6AC10-4A.0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-6AC10-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC10-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-6AC10-4C.0	4600	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160

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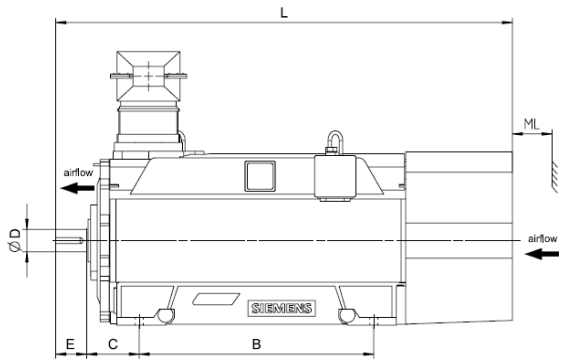


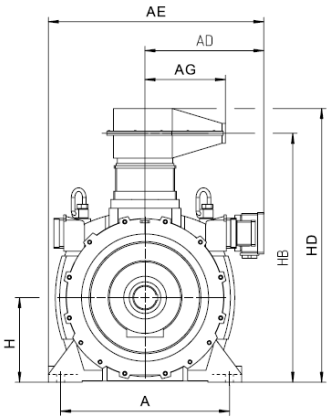


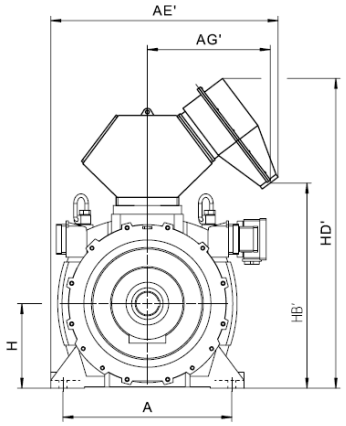


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-6AC10-4A.0	4900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 452-6AC10-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC10-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-6AC10-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC10-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-6AC10-4C.0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 500-6AC10-4C.0	6500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 500-6AC10-4A.0	6300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC10-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-6AC10-4C.0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC10-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-6AC10-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC10-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-6AC10-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-6AC10-4C.0	9200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-6AC10-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-6AC10-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
8-pole																			
1NB1 404-8AC10-4A.0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 404-8AC10-4C.0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-8AC10-4A.0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 406-8AC10-4C.0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2242	160
1NB1 452-8AC10-4A.0	4800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180

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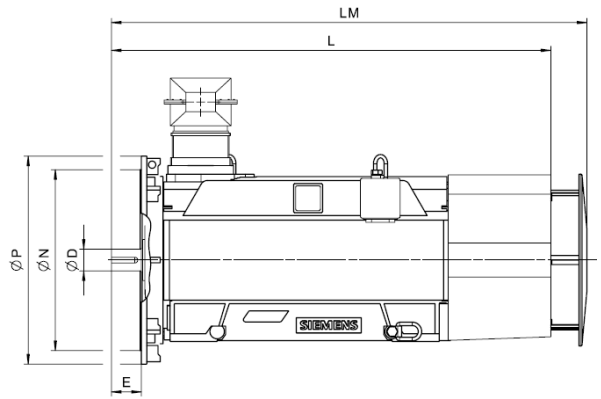


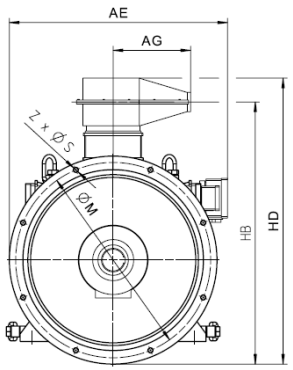


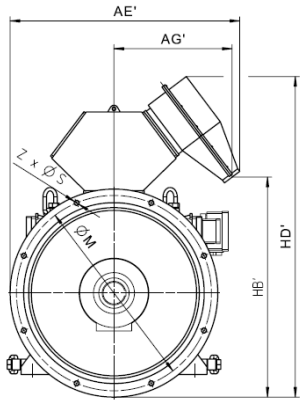


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-8AC10-4C.0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC10-4A.0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 454-8AC10-4C.0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC10-4C.0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 456-8AC10-4A.0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	2434	180
1NB1 502-8AC10-4C.0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 502-8AC10-4A.0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC10-4A.0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 504-8AC10-4C.0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC10-4A.0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 506-8AC10-4C.0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	2622	200
1NB1 562-8AC10-4C.0	9300	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 564-8AC10-4C.0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225
1NB1 566-8AC10-4C.0	10500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	2783	225

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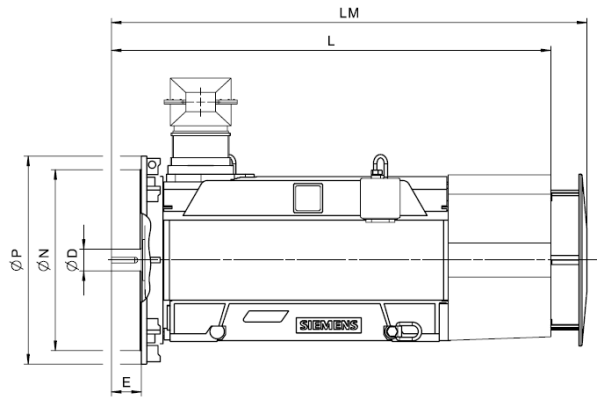


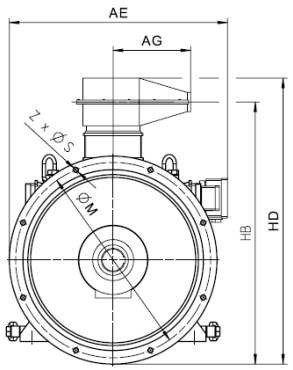


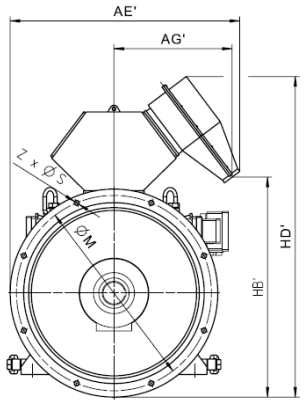


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NB1 404-4AC14-4AA0	4200	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-4AC14-4CA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC14-4AA0	4400	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-4AC14-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-4AC14-4AA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-4AC14-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC14-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-4AC14-4CA0	5600	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC14-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-4AC14-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-4AC14-4AA0	6700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-4AC14-4CA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC14-4AA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-4AC14-4CA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-4AC14-4AA0	7600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-4AC14-4CA0	7800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-4AC14-4CA0	9400	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 562-4AC14-4AA0	9100	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC14-4AA0	9400	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-4AC14-4CA0	9700	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC14-4AA0	9900	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-4AC14-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16

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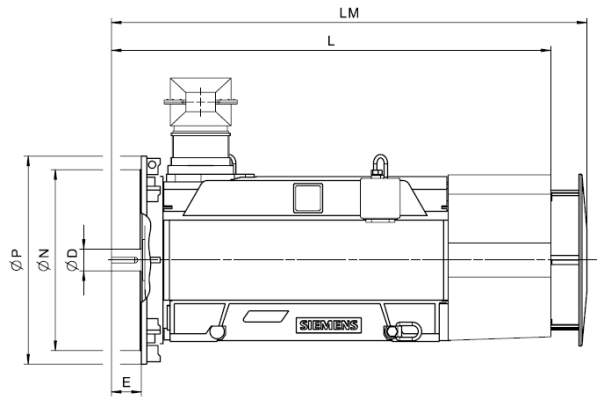


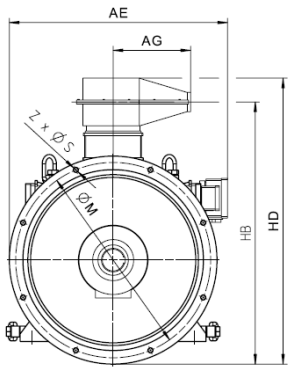


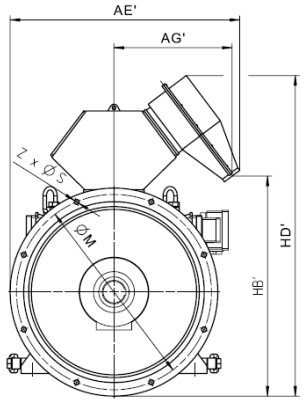


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NB1 404-6AC14-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-6AC14-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC14-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-6AC14-4CA0	4800	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-6AC14-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-6AC14-4CA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC14-4AA0	5400	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-6AC14-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC14-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-6AC14-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 500-6AC14-4CA0	6800	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 500-6AC14-4AA0	6600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC14-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-6AC14-4CA0	7200	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-6AC14-4AA0	7300	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-6AC14-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC14-4AA0	7600	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-6AC14-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-6AC14-4CA0	9600	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-6AC14-4CA0	10300	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 566-6AC14-4CA0	10800	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
8-pole													

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 404-8AC14-4AA0	4300	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 404-8AC14-4CA0	4500	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC14-4AA0	4600	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 406-8AC14-4CA0	4700	1041	356	120	1285	1499	2242	2392	940	880	1000	24	8
1NB1 452-8AC14-4AA0	5100	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 452-8AC14-4CA0	5200	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC14-4AA0	5300	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 454-8AC14-4CA0	5500	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC14-4CA0	5900	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 456-8AC14-4AA0	5700	1132	356	120	1403	1617	2434	2634	1080	1000	1150	28	8
1NB1 502-8AC14-4CA0	7100	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 502-8AC14-4AA0	6900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC14-4AA0	7200	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 504-8AC14-4CA0	7500	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC14-4AA0	7700	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 506-8AC14-4CA0	7900	1254	371	140	1682	1848	2622	2822	1180	1120	1250	28	16
1NB1 562-8AC14-4CA0	9600	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
1NB1 564-8AC14-4CA0	10200	1384	371	160	1822	1987	2783	3023	1320	1250	1400	28	16
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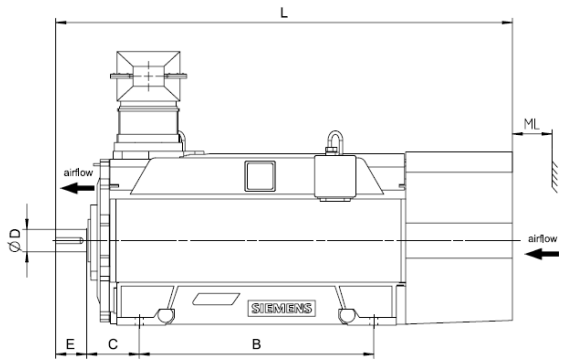
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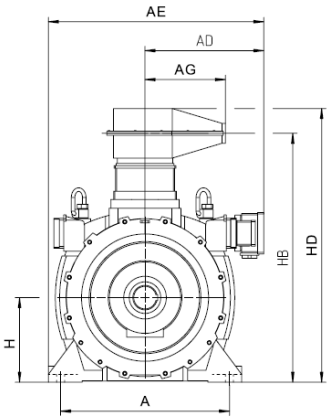
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																						
	730	**1NB1 452-2AR40-4A.0**	2985	96.8	0,90	116	2335	2,80	12.7	3600	330	2132	96.5	0,89	105	1676	94.5	0,88	45	1501	92.1	0,85
	710	**1NB1 452-2AR40-4C.0**	2983	96.6	0,89	114	2273	2,50	16.5	3600	325	2085	96.3	0,89	100	1639	94.1	0,87	45	1467	91.5	0,85
	800	**1NB1 454-2AR40-4A.0**	2988	97.0	0,90	128	2557	3,50	14.2	3600	365	2334	96.9	0,90	115	1835	95.0	0,87	50	1643	92.6	0,82
	800	**1NB1 454-2AR40-4C.0**	2986	96.8	0,90	128	2558	3,00	18.4	3600	360	2312	96.7	0,90	110	1817	94.6	0,87	50	1627	92.1	0,82
	890	**1NB1 456-2AR40-4A.0**	2989	97.1	0,91	140	2843	3,70	15.7	3600	405	2590	97.0	0,90	125	2036	95.1	0,87	55	1823	92.7	0,83
	900	**1NB1 456-2AR40-4C.0**	2986	96.9	0,91	142	2878	3,00	20.2	3600	400	2568	96.8	0,90	125	2019	94.7	0,87	55	1808	92.2	0,83
	1070	**1NB1 502-2AR40-4C.0**	2988	96.7	0,89	172	3420	2,90	26.8	3000	480	3080	96.9	0,89	150	2421	95.3	0,87	65	2168	93.1	0,82
	1070	**1NB1 502-2AR40-4A.0**	2987	96.8	0,89	172	3421	3,20	20.9	3000	480	3080	96.9	0,89	150	2421	95.5	0,87	65	2168	93.4	0,83
	1070	**1NB1 504-2AR40-4A.0**	2989	96.9	0,90	170	3418	3,90	23.3	3000	490	3128	97.1	0,90	155	2459	95.6	0,87	70	2202	93.6	0,82
	1070	**1NB1 504-2AR40-4C.0**	2990	96.8	0,90	170	3417	3,40	29.7	3000	490	3128	97.0	0,89	155	2459	95.5	0,86	70	2202	93.3	0,80
	1250	**1NB1 506-2AR40-4A.0**	2989	97.1	0,91	196	3994	3,70	26.4	3000	560	3590	97.2	0,90	175	2822	95.7	0,88	80	2527	93.8	0,83
	1250	**1NB1 506-2AR40-4C.0**	2990	97.0	0,90	198	3992	3,30	33.3	3000	560	3590	97.2	0,90	175	2822	95.6	0,87	80	2527	93.6	0,83
	1520	**1NB1 564-2AR40-4C.0**	2991	97.1	0,91	240	4853	2,90	50.0	3000	680	4357	97.4	0,90	215	3425	96.2	0,89	95	3067	94.5	0,84
	1540	**1NB1 566-2AR40-4C.0**	2992	97.2	0,91	240	4915	3,30	55.2	3000	700	4482	97.5	0,91	220	3523	96.3	0,89	100	3155	94.7	0,84
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																						
	850	**1NB1 452-4AR40-4A.0**	1492	96.7	0,84	146	5440	3,00	19.6	2400	380	4885	96.3	0,83	120	3840	93.7	0,78	55	3438	90.0	0,68
	810	**1NB1 452-4AR40-4C.0**	1492	96.6	0,83	140	5184	2,60	25.2	2400	370	4729	96.3	0,82	115	3717	94.0	0,78	50	3329	90.8	0,70
	810	**1NB1 454-4AR40-4A.0**	1494	96.6	0,83	140	5177	3,90	21.5	2400	370	4721	96.5	0,82	115	3711	93.7	0,75	50	3323	89.5	0,62
	810	**1NB1 454-4AR40-4C.0**	1494	96.6	0,83	140	5177	3,20	27.6	2400	370	4723	96.5	0,82	115	3712	94.1	0,76	50	3324	90.6	0,65
	940	**1NB1 456-4AR40-4A.0**	1494	96.8	0,85	158	6008	3,70	24.8	2400	420	5390	96.6	0,84	130	4237	93.9	0,78	60	3794	90.2	0,67
	940	**1NB1 456-4AR40-4C.0**	1494	96.8	0,85	158	6008	3,00	31.7	2400	420	5391	96.6	0,83	130	4238	94.2	0,78	60	3795	91.1	0,70
	1070	**1NB1 502-4AR40-4C.0**	1493	96.5	0,86	178	6844	2,40	37.3	2200	480	6170	96.4	0,85	150	4850	94.4	0,82	65	4343	91.7	0,76
	1070	**1NB1 502-4AR40-4A.0**	1493	96.4	0,87	178	6844	3,00	28.4	2200	480	6166	96.4	0,86	150	4847	94.2	0,82	65	4340	90.9	0,73
	1160	**1NB1 504-4AR40-4A.0**	1493	96.6	0,87	192	7419	3,00	32.5	2200	520	6679	96.6	0,87	160	5250	94.7	0,83	70	4701	91.9	0,75
	1160	**1NB1 504-4AR40-4C.0**	1493	96.7	0,86	194	7419	2,40	42.4	2200	520	6677	96.7	0,86	160	5249	94.9	0,83	70	4700	92.5	0,77
	1280	**1NB1 506-4AR40-4A.0**	1493	96.8	0,88	210	8187	3,30	37.0	2200	580	7447	96.8	0,87	180	5854	94.7	0,83	80	5242	91.9	0,74
	1280	**1NB1 506-4AR40-4C.0**	1494	96.8	0,86	215	8181	2,60	48.0	2200	580	7443	96.9	0,86	180	5851	95.0	0,83	80	5239	92.7	0,76
	1400	**1NB1 560-4AR40-4C.0**	1493	96.7	0,85	235	8954	2,30	64.6	2000	640	8216	96.9	0,85	200	6458	95.1	0,82	90	5783	92.8	0,76
	1450	**1NB1 560-4AR40-4A.0**	1494	96.7	0,86	240	9268	2,60	48.3	2000	660	8469	96.9	0,85	205	6658	95.0	0,82	90	5962	92.4	0,74
	1545	**1NB1 562-4AR40-4C.0**	1494	96.9	0,86	255	9875	2,50	72.4	2000	700	8985	97.1	0,85	220	7063	95.5	0,81	100	6324	93.4	0,74
	1555	**1NB1 562-4AR40-4A.0**	1495	96.9	0,86	260	9933	2,90	54.5	2000	705	9031	97.1	0,85	220	7099	95.4	0,81	100	6357	92.9	0,72
	1700	**1NB1 564-4AR40-4A.0**	1495	97.0	0,87	280	10859	3,20	59.9	2000	770	9846	97.2	0,86	240	7740	95.4	0,81	105	6931	92.8	0,70
	1680	**1NB1 564-4AR40-4C.0**	1495	97.1	0,86	280	10731	2,80	79.3	2000	765	9798	97.2	0,85	240	7702	95.6	0,81	105	6897	93.3	0,73
	1860	**1NB1 566-4AR40-4A.0**	1495	97.1	0,88	300	11881	3,30	66.6	2000	845	10819	97.3	0,86	265	8504	95.3	0,81	120	7615	92.8	0,71

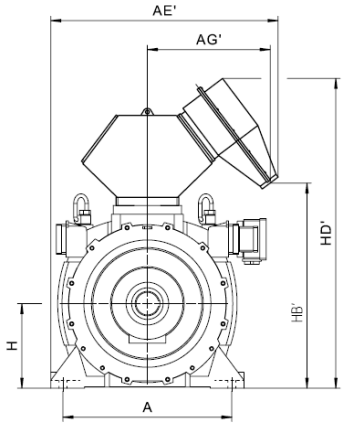
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SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																						
Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1865	**1NB1 566-4AR40-4C.0**	1495	97.2	0,87	305	11913	2,80	88.0	2000	845	10821	97.3	0,86	265	8506	95.5	0,82	120	7617	93.3	0,74
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	530	**1NB1 452-6AR40-4A.0**	993	96.2	0,81	94	5097	2,20	28.0	2200	240	4635	95.4	0,80	75	3644	92.5	0,79	35	3263	88.5	0,72
	560	**1NB1 452-6AR40-4C.0**	993	96.3	0,84	96	5385	2,30	36.3	2200	250	4792	95.5	0,83	75	3767	92.4	0,81	35	3373	88.6	0,75
	610	**1NB1 454-6AR40-4A.0**	995	96.3	0,79	112	5854	2,80	31.8	2200	275	5319	95.8	0,78	85	4181	92.7	0,73	40	3744	88.1	0,62
	600	**1NB1 454-6AR40-4C.0**	995	96.4	0,81	106	5758	3,00	41.0	2200	270	5164	95.9	0,80	85	4059	92.8	0,75	35	3635	88.4	0,63
	670	**1NB1 456-6AR40-4A.0**	995	96.4	0,80	120	6430	2,90	36.9	2200	300	5778	96.0	0,79	95	4542	93.2	0,74	40	4067	88.9	0,62
	670	**1NB1 456-6AR40-4C.0**	995	96.5	0,82	118	6430	3,10	47.3	2200	300	5778	96.0	0,81	95	4542	93.2	0,75	40	4067	89.2	0,64
	810	**1NB1 500-6AR40-4C.0**	995	96.5	0,86	136	7774	2,20	59.8	2100	370	7098	96.0	0,86	115	5580	93.6	0,84	50	4996	90.3	0,79
	760	**1NB1 500-6AR40-4A.0**	994	96.3	0,83	132	7301	2,40	46.5	2100	345	6644	95.7	0,83	105	5223	93.0	0,81	50	4677	89.3	0,75
	800	**1NB1 502-6AR40-4A.0**	995	96.4	0,83	138	7678	3,10	52.7	2100	360	6940	96.0	0,83	110	5456	93.2	0,79	50	4885	89.0	0,70
	850	**1NB1 502-6AR40-4C.0**	996	96.5	0,86	142	8150	2,70	67.5	2100	380	7315	96.2	0,85	120	5750	93.8	0,82	55	5149	90.2	0,73
	900	**1NB1 504-6AR40-4A.0**	995	96.5	0,85	152	8638	2,80	59.7	2100	400	7717	96.1	0,84	125	6066	93.6	0,82	55	5432	90.0	0,74
	930	**1NB1 504-6AR40-4C.0**	996	96.7	0,86	156	8917	2,60	76.1	2100	425	8165	96.4	0,86	130	6419	94.2	0,84	60	5748	91.1	0,77
	1000	**1NB1 506-6AR40-4A.0**	995	96.7	0,84	170	9597	3,10	67.3	2100	450	8636	96.4	0,84	140	6789	93.8	0,80	60	6079	90.3	0,71
	1070	**1NB1 506-6AR40-4C.0**	996	96.9	0,86	178	10259	2,70	85.6	2100	480	9237	96.6	0,86	150	7261	94.4	0,83	65	6502	91.4	0,75
	1400	**1NB1 562-6AR40-4C.0**	996	97.2	0,87	230	13423	2,80	120.2	2000	640	12326	97.0	0,87	200	9689	94.9	0,85	90	8676	92.2	0,77
	1520	**1NB1 564-6AR40-4C.0**	996	97.2	0,87	250	14573	2,80	136.7	2000	680	13092	97.1	0,87	210	10291	94.9	0,85	95	9215	92.4	0,78
	1560	**1NB1 566-6AR40-4C.0**	996	97.3	0,87	255	14957	3,10	151.8	2000	710	13621	97.2	0,87	220	10707	95.2	0,84	100	9588	92.8	0,76
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	450	**1NB1 452-8AR40-4A.0**	744	95.8	0,77	85	5776	2,10	28.1	2200	200	5163	94.8	0,77	60	4058	91.0	0,75	25	3634	85.7	0,67
	470	**1NB1 452-8AR40-4C.0**	744	95.8	0,80	85	6032	2,10	36.3	2200	210	5471	94.8	0,80	65	4301	90.9	0,77	30	3851	85.8	0,70
	500	**1NB1 454-8AR40-4A.0**	745	95.9	0,76	95	6409	2,60	31.9	2200	230	5870	95.1	0,76	70	4614	91.0	0,71	30	4132	85.1	0,61
	530	**1NB1 454-8AR40-4C.0**	745	96.0	0,79	97	6793	2,60	41.1	2200	240	6179	95.1	0,78	75	4857	91.1	0,73	35	4350	85.4	0,63
	560	**1NB1 456-8AR40-4A.0**	745	96.0	0,79	102	7178	2,40	37.0	2200	250	6492	95.2	0,78	80	5103	91.7	0,75	35	4570	86.7	0,66
	560	**1NB1 456-8AR40-4C.0**	746	96.0	0,78	104	7168	2,80	47.4	2200	250	6481	95.3	0,78	80	5094	91.3	0,72	35	4562	85.7	0,61
	630	**1NB1 502-8AR40-4C.0**	745	95.6	0,85	108	8075	2,20	67.0	2100	250	6486	95.0	0,83	80	5098	92.1	0,80	35	4565	88.0	0,73
	560	**1NB1 502-8AR40-4A.0**	745	95.8	0,81	100	7178	2,10	52.0	2100	250	6491	94.9	0,80	80	5103	91.9	0,78	35	4569	87.7	0,72
	630	**1NB1 504-8AR40-4A.0**	746	96.0	0,80	114	8064	2,60	58.8	2100	285	7301	95.4	0,79	90	5739	92.5	0,74	40	5139	88.1	0,64
	630	**1NB1 504-8AR40-4C.0**	746	95.8	0,83	110	8064	3,00	75.6	2100	285	7296	95.4	0,81	90	5735	92.5	0,75	40	5135	88.3	0,66
	670	**1NB1 506-8AR40-4C.0**	747	95.7	0,81	120	8565	3,40	85.1	2100	300	7698	95.3	0,79	95	6051	92.4	0,73	40	5419	87.6	0,62
	670	**1NB1 506-8AR40-4A.0**	747	96.0	0,78	124	8565	3,10	66.4	2100	300	7707	95.4	0,77	95	6058	92.6	0,70	40	5425	87.8	0,59
	900	**1NB1 562-8AR40-4C.0**	746	96.7	0,83	156	11521	2,70	119.6	2000	400	10279	96.4	0,83	125	8080	93.9	0,79	55	7235	90.5	0,70
	1000	**1NB1 564-8AR40-4C.0**	747	96.7	0,83	172	12784	3,00	136.3	2000	450	11503	96.5	0,82	140	9042	93.9	0,77	60	8097	90.4	0,67
	1120	**1NB1 566-8AR40-4C.0**	747	96.8	0,82	196	14318	3,20	151.7	2000	500	12832	96.6	0,81	155	10087	93.8	0,76	70	9032	90.2	0,65

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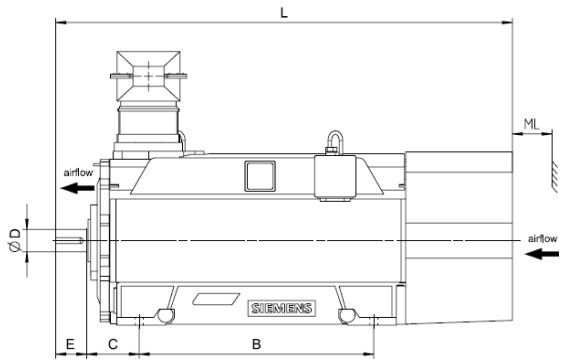


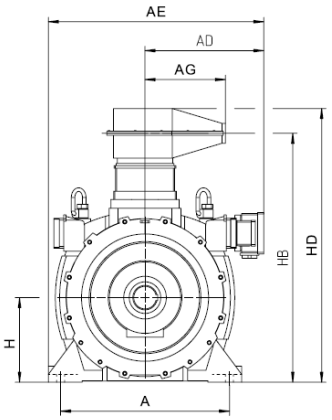


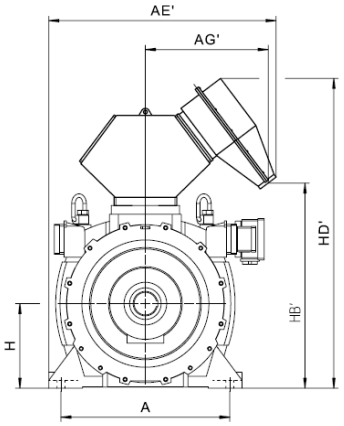


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 452-2AR40-4A.0	4800	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 452-2AR40-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 454-2AR40-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 454-2AR40-4C.0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AR40-4A.0	5300	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AR40-4C.0	5500	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 502-2AR40-4C.0	6600	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 502-2AR40-4A.0	6400	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 504-2AR40-4A.0	6700	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 504-2AR40-4C.0	6900	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 506-2AR40-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 506-2AR40-4C.0	7300	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	2457	200
1NB1 564-2AR40-4C.0	9000	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	2628	225
1NB1 566-2AR40-4C.0	9400	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	2628	225
4-pole																			
1NB1 452-4AR40-4A.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-4AR40-4C.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR40-4A.0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR40-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR40-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR40-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-4AR40-4C.0	6600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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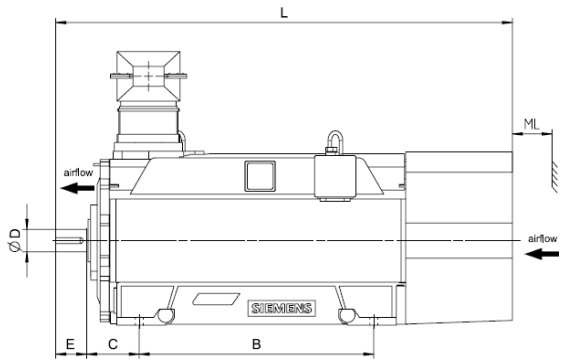


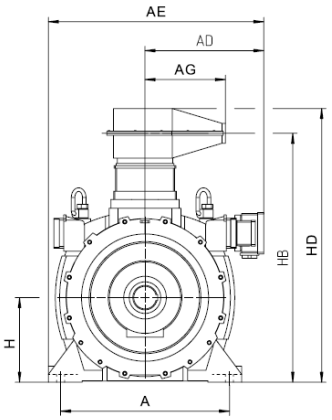


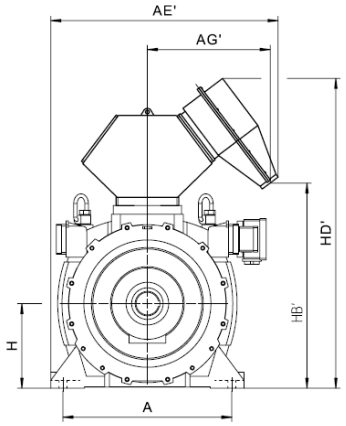


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 502-4AR40-4A.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR40-4A.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR40-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AR40-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AR40-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 560-4AR40-4C.0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 560-4AR40-4A.0	8300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR40-4C.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR40-4A.0	8800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR40-4A.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR40-4C.0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR40-4A.0	9600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR40-4C.0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
6-pole																			
1NB1 452-6AR40-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-6AR40-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR40-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR40-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR40-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR40-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 500-6AR40-4C.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 500-6AR40-4A.0	6300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AR40-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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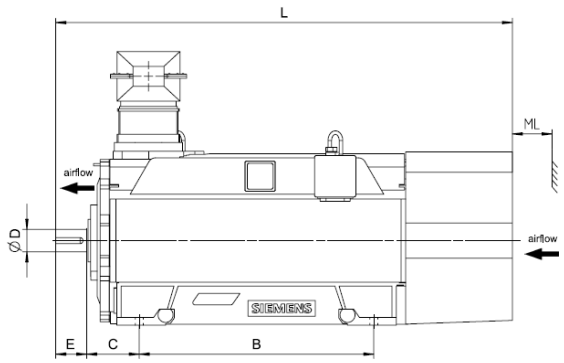


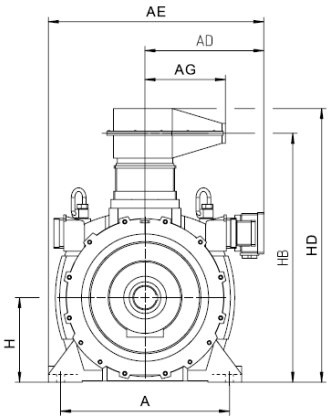


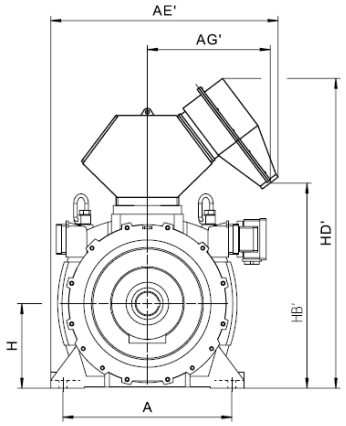


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 502-6AR40-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR40-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR40-4C.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AR40-4A.0	7400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AR40-4C.0	7600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-6AR40-4C.0	9300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-6AR40-4C.0	9900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-6AR40-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
8-pole																			
1NB1 452-8AR40-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-8AR40-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR40-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR40-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR40-4A.0	5400	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR40-4C.0	5600	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-8AR40-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-8AR40-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR40-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR40-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR40-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR40-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-8AR40-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-8AR40-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

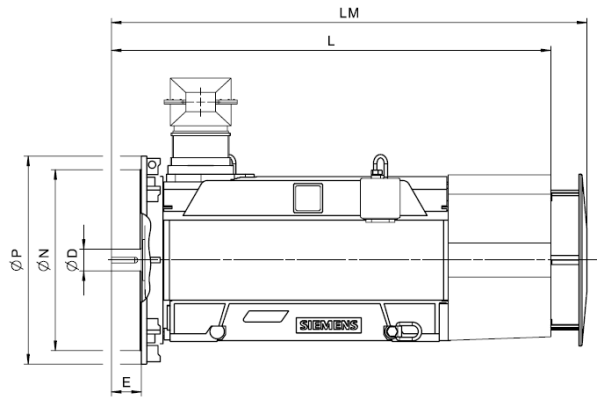
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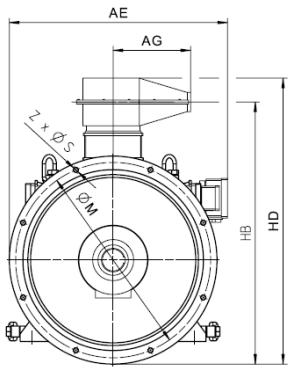


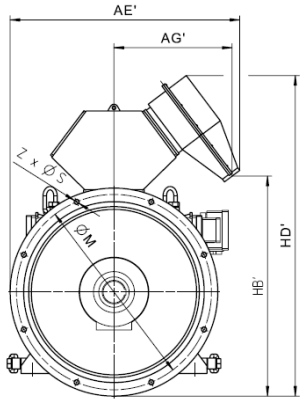




Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 566-8AR40-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

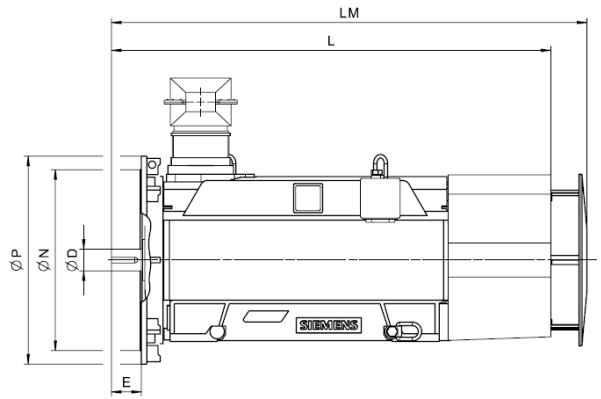


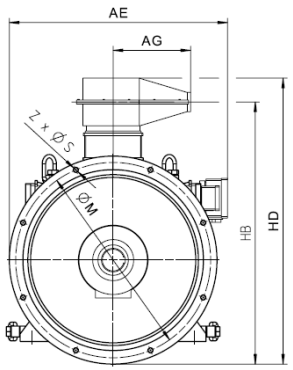


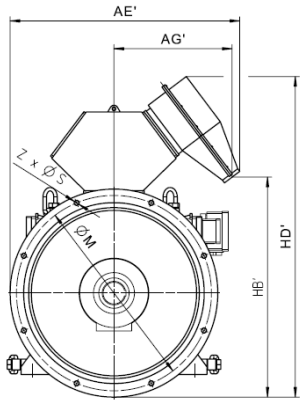


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NB1 452-4AR44-4AA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-4AR44-4CA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR44-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR44-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR44-4AA0	5800	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR44-4CA0	6000	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-4AR44-4CA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-4AR44-4AA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR44-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR44-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR44-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR44-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 560-4AR44-4CA0	9000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 560-4AR44-4AA0	8700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR44-4CA0	9400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR44-4AA0	9100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR44-4AA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR44-4CA0	9800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR44-4AA0	10000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR44-4CA0	10400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 452-6AR44-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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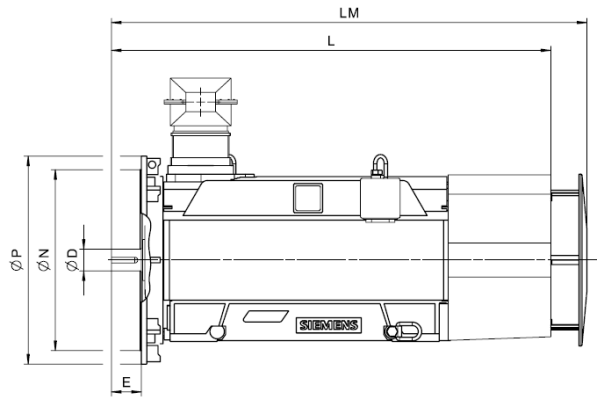


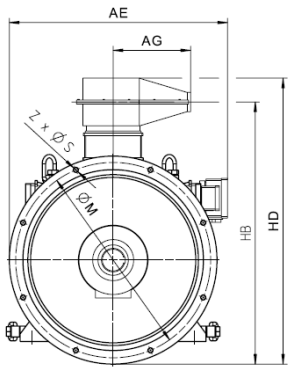


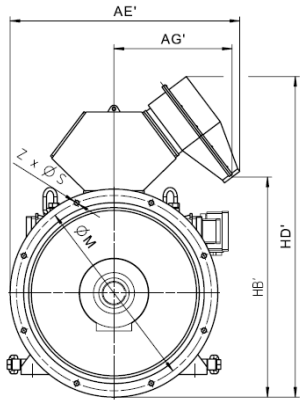


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 452-6AR44-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR44-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR44-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR44-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR44-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 500-6AR44-4CA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 500-6AR44-4AA0	6500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR44-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR44-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR44-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR44-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR44-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR44-4CA0	7900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-6AR44-4CA0	9700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-6AR44-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-6AR44-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 452-8AR44-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-8AR44-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR44-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR44-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR44-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR44-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 502-8AR44-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-8AR44-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR44-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR44-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR44-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR44-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-8AR44-4CA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-8AR44-4CA0	10200	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-8AR44-4CA0	10700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16

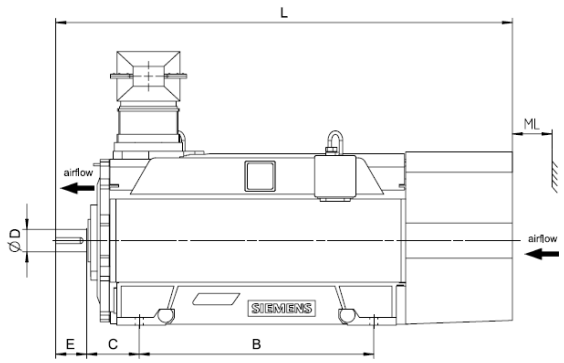
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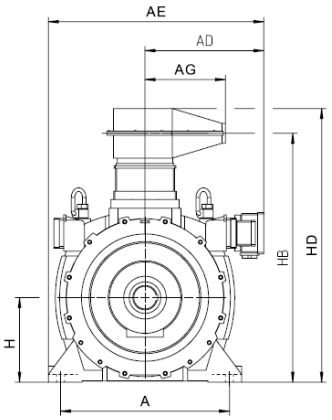
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	1010	**1NB1 452-2AR30-4AC0**	3583	96.7	0,89	162	2692	2,30	12.5	3600	405	2161	96.7	0,89	125	1699	95.0	0,87	55	1521	93.0	0,85
	1000	**1NB1 452-2AR30-4CC0**	3579	96.5	0,89	162	2668	2,10	17.1	3600	400	2142	96.5	0,89	125	1684	94.6	0,87	55	1508	92.4	0,85
	1060	**1NB1 454-2AR30-4AC0**	3587	96.8	0,90	168	2822	3,00	14.0	3600	425	2263	97.0	0,89	135	1779	95.5	0,86	60	1593	93.6	0,81
	1050	**1NB1 454-2AR30-4C.0**	3584	96.6	0,90	168	2798	2,70	18.7	3600	420	2244	96.8	0,89	130	1764	95.1	0,86	60	1580	92.9	0,80
	1200	**1NB1 456-2AR30-4AC0**	3588	97.0	0,91	188	3194	3,40	15.5	3600	480	2562	97.1	0,90	150	2014	95.6	0,86	65	1803	93.6	0,80
	1200	**1NB1 456-2AR30-4C.0**	3586	96.8	0,90	192	3196	2,80	20.6	3600	480	2564	96.9	0,89	150	2016	95.2	0,86	65	1805	93.0	0,79
	1350	**1NB1 502-2AR30-4CC0**	3586	96.5	0,89	220	3595	2,60	26.5	3600	540	2885	96.9	0,89	170	2268	95.5	0,87	75	2031	93.6	0,82
	1400	**1NB1 504-2AR30-4CC0**	3589	96.6	0,90	225	3725	3,10	29.4	3600	560	2989	97.0	0,90	175	2350	95.5	0,86	80	2104	93.6	0,80
	1600	**1NB1 506-2AR30-4CC0**	3589	96.8	0,91	250	4257	3,10	33.0	3600	640	3416	97.2	0,90	200	2685	95.5	0,87	90	2404	93.6	0,81
	1900	**1NB1 564-2AR30-4CC0**	3589	96.9	0,91	300	5055	2,40	49.5	3600	760	4057	97.4	0,91	240	3189	96.3	0,89	105	2856	94.9	0,86
	2050	**1NB1 566-2AR30-4CC0**	3591	97.0	0,91	320	5451	2,80	55.3	3600	820	4374	97.5	0,91	255	3438	96.4	0,89	115	3079	95.0	0,85
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	1110	**1NB1 452-4AR30-4A.0**	1792	96.6	0,84	190	5915	2,90	19.6	2400	445	4747	96.5	0,83	140	3732	93.9	0,77	60	3342	90.4	0,65
	1100	**1NB1 452-4AR30-4C.0**	1792	96.6	0,83	190	5862	2,40	25.2	2400	440	4704	96.5	0,82	140	3698	94.3	0,77	60	3311	91.4	0,68
	1100	**1NB1 454-4AR30-4A.0**	1793	96.6	0,84	188	5858	3,40	21.5	2400	440	4699	96.6	0,81	140	3694	94.1	0,73	60	3308	90.4	0,60
	1100	**1NB1 454-4AR30-4C.0**	1793	96.6	0,83	190	5858	2,80	27.6	2400	440	4702	96.6	0,81	140	3696	94.5	0,75	60	3310	91.5	0,63
	1120	**1NB1 456-4AR30-4A.0**	1794	96.7	0,84	192	5962	3,90	24.8	2400	450	4782	96.6	0,80	140	3759	94.0	0,72	65	3366	90.3	0,58
	1150	**1NB1 456-4AR30-4C.0**	1794	96.7	0,84	196	6121	3,10	31.7	2400	460	4911	96.7	0,81	145	3860	94.5	0,74	65	3457	91.6	0,62
	1450	**1NB1 502-4AR30-4C.0**	1791	96.4	0,85	245	7731	2,00	37.3	2200	580	6202	96.7	0,85	180	4875	95.0	0,82	80	4365	92.8	0,75
	1450	**1NB1 502-4AR30-4A.0**	1791	96.3	0,86	245	7731	2,50	28.4	2200	580	6207	96.6	0,86	180	4880	94.7	0,82	80	4369	92.1	0,73
	1450	**1NB1 504-4AR30-4A.0**	1792	96.4	0,88	235	7727	2,90	32.5	2200	580	6201	96.7	0,87	180	4875	94.8	0,82	80	4365	92.3	0,73
	1450	**1NB1 504-4AR30-4C.0**	1793	96.5	0,86	240	7723	2,30	42.4	2200	580	6201	96.8	0,86	180	4875	95.1	0,82	80	4365	93.0	0,76
	1610	**1NB1 506-4AR30-4A.0**	1793	96.5	0,88	265	8575	3,30	37.0	2200	645	6879	96.8	0,86	200	5408	94.7	0,81	90	4842	92.0	0,70
	1650	**1NB1 506-4AR30-4C.0**	1793	96.7	0,87	270	8788	2,50	48.0	2200	660	7050	96.9	0,86	205	5542	95.1	0,81	90	4963	92.9	0,73
	1850	**1NB1 560-4AR30-4C.0**	1792	96.4	0,84	315	9858	1,80	64.6	2000	740	7914	96.9	0,85	230	6221	95.6	0,82	105	5570	93.8	0,77
	1870	**1NB1 560-4AR30-4A.0**	1792	96.3	0,85	315	9965	2,10	48.3	2000	750	7995	96.9	0,85	235	6284	95.5	0,82	105	5627	93.5	0,75
	2000	**1NB1 562-4AR30-4C.0**	1793	96.7	0,86	335	10652	2,20	72.4	2000	800	8545	97.1	0,86	250	6717	95.6	0,82	110	6015	93.8	0,76
	2015	**1NB1 562-4AR30-4A.0**	1794	96.5	0,87	335	10726	2,50	54.5	2000	805	8592	97.0	0,86	250	6754	95.5	0,82	110	6048	93.4	0,74
	2155	**1NB1 564-4AR30-4A.0**	1794	96.7	0,88	350	11471	2,70	59.9	2000	860	9187	97.1	0,86	270	7222	95.4	0,82	120	6467	93.2	0,73
	2150	**1NB1 564-4AR30-4C.0**	1794	96.8	0,87	355	11444	2,30	79.3	2000	860	9182	97.2	0,86	270	7218	95.6	0,82	120	6463	93.7	0,75
	2350	**1NB1 566-4AR30-4A.0**	1794	96.8	0,88	385	12509	2,90	66.6	2000	940	10036	97.1	0,87	295	7889	95.2	0,82	130	7064	92.9	0,72
	2355	**1NB1 566-4AR30-4C.0**	1794	96.9	0,88	385	12535	2,50	88.0	2000	940	10039	97.2	0,86	295	7892	95.4	0,82	130	7067	93.4	0,74
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	750	**1NB1 452-6AR30-4A.0**	1193	96.2	0,79	136	6003	2,00	28.0	2200	300	4819	95.9	0,79	95	3788	93.4	0,76	40	3392	89.8	0,67

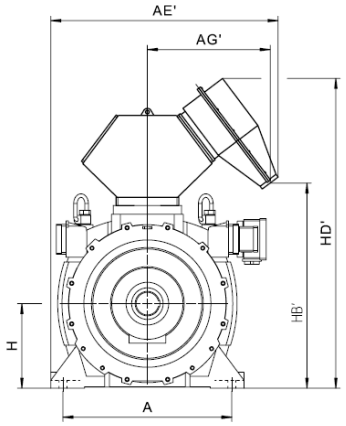
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SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	770	**1NB1 452-6AR30-4C.0**	1193	96.4	0,83	134	6163	2,20	36.3	2200	310	4947	95.9	0,82	95	3889	93.4	0,79	45	3482	89.9	0,70
	750	**1NB1 454-6AR30-4A.0**	1194	96.3	0,81	134	5998	2,40	31.8	2200	300	4812	96.0	0,79	95	3782	93.5	0,74	40	3387	89.8	0,63
	800	**1NB1 454-6AR30-4C.0**	1194	96.4	0,84	138	6398	2,50	41.0	2200	320	5135	96.1	0,82	100	4037	93.5	0,77	45	3615	90.1	0,68
	850	**1NB1 456-6AR30-4A.0**	1195	96.4	0,81	152	6792	2,50	36.9	2200	340	5451	96.2	0,79	105	4285	93.7	0,74	45	3837	90.2	0,63
	900	**1NB1 456-6AR30-4C.0**	1194	96.6	0,84	154	7198	2,60	47.3	2200	360	5775	96.2	0,82	115	4539	93.7	0,77	50	4065	90.4	0,67
	1100	**1NB1 500-6AR30-4C.0**	1194	96.4	0,86	184	8798	1,90	59.8	2100	440	7061	96.3	0,86	135	5550	94.2	0,85	60	4970	91.4	0,79
	1000	**1NB1 500-6AR30-4A.0**	1193	96.3	0,83	174	8004	2,20	46.5	2100	400	6428	96.1	0,83	125	5053	93.7	0,81	55	4525	90.5	0,75
	1110	**1NB1 502-6AR30-4A.0**	1193	96.5	0,83	192	8885	2,30	52.7	2100	445	7131	96.3	0,83	140	5606	93.9	0,81	60	5020	90.8	0,74
	1170	**1NB1 502-6AR30-4C.0**	1195	96.6	0,86	196	9350	2,10	67.5	2100	470	7509	96.5	0,86	145	5902	94.5	0,84	65	5285	91.8	0,77
	1200	**1NB1 504-6AR30-4A.0**	1194	96.6	0,85	205	9597	2,50	59.7	2100	480	7707	96.4	0,84	150	6058	94.0	0,81	65	5425	90.9	0,73
	1260	**1NB1 504-6AR30-4C.0**	1195	96.7	0,87	210	10069	2,30	76.1	2100	505	8080	96.7	0,86	160	6352	94.6	0,84	70	5688	92.0	0,76
	1250	**1NB1 506-6AR30-4A.0**	1195	96.6	0,85	210	9989	2,90	67.3	2100	500	8017	96.5	0,84	155	6302	94.1	0,79	70	5643	90.8	0,69
	1310	**1NB1 506-6AR30-4C.0**	1196	96.8	0,87	215	10460	2,60	85.6	2100	525	8392	96.7	0,85	165	6597	94.7	0,81	75	5907	91.8	0,72
	1650	**1NB1 562-6AR30-4C.0**	1195	97.0	0,87	270	13185	2,60	120.2	2000	660	10578	97.1	0,87	205	8315	95.3	0,84	90	7446	93.1	0,77
	1970	**1NB1 564-6AR30-4C.0**	1195	97.2	0,88	320	15742	2,40	136.7	2000	790	12634	97.2	0,88	245	9931	95.3	0,86	110	8893	93.1	0,79
	2120	**1NB1 566-6AR30-4C.0**	1195	97.3	0,88	345	16941	2,50	151.8	2000	850	13592	97.3	0,87	265	10684	95.3	0,85	120	9567	93.2	0,79
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	630	**1NB1 452-8AR30-4A.0**	893	95.7	0,78	118	6737	1,90	28.1	2200	250	5410	95.1	0,77	80	4252	91.8	0,75	35	3808	87.0	0,66
	650	**1NB1 452-8AR30-4C.0**	893	95.8	0,80	118	6951	1,90	36.3	2200	260	5580	95.2	0,80	80	4387	91.8	0,76	35	3928	87.1	0,68
	700	**1NB1 454-8AR30-4A.0**	893	96.0	0,78	130	7485	2,00	31.9	2200	280	6010	95.5	0,77	85	4725	92.3	0,74	40	4231	87.9	0,65
	700	**1NB1 454-8AR30-4C.0**	894	96.0	0,80	126	7477	2,10	41.1	2200	280	6003	95.5	0,79	85	4719	92.4	0,75	40	4225	88.0	0,65
	750	**1NB1 456-8AR30-4A.0**	894	96.1	0,79	138	8011	2,20	37.0	2200	300	6428	95.6	0,77	95	5053	92.4	0,73	40	4525	87.9	0,63
	750	**1NB1 456-8AR30-4C.0**	895	96.1	0,80	136	8002	2,30	47.4	2200	300	6425	95.6	0,78	95	5050	92.4	0,73	40	4522	87.9	0,63
	730	**1NB1 502-8AR30-4C.0**	895	95.7	0,85	124	7789	2,20	67.0	2100	290	6254	95.3	0,83	90	4916	92.7	0,80	40	4402	89.2	0,73
	710	**1NB1 502-8AR30-4A.0**	894	95.8	0,81	126	7584	1,90	52.0	2100	285	6085	95.3	0,80	90	4783	92.7	0,77	40	4283	89.1	0,70
	800	**1NB1 504-8AR30-4C.0**	896	95.7	0,84	138	8526	2,70	75.6	2100	320	6843	95.4	0,81	100	5379	92.9	0,76	45	4816	89.0	0,66
	800	**1NB1 504-8AR30-4A.0**	896	95.9	0,80	144	8526	2,60	58.8	2100	320	6845	95.5	0,77	100	5381	92.9	0,70	45	4818	88.6	0,59
	850	**1NB1 506-8AR30-4A.0**	896	96.0	0,81	152	9059	2,50	66.4	2100	340	7277	95.6	0,79	105	5720	93.0	0,73	45	5122	89.1	0,64
	850	**1NB1 506-8AR30-4C.0**	896	95.8	0,84	146	9059	2,90	85.1	2100	340	7267	95.5	0,81	105	5712	92.9	0,75	45	5115	89.2	0,65
	1120	**1NB1 562-8AR30-4C.0**	895	96.6	0,84	192	11950	2,30	119.6	2000	450	9588	96.6	0,84	140	7537	94.3	0,80	60	6749	91.6	0,72
	1270	**1NB1 564-8AR30-4C.0**	895	96.7	0,85	215	13550	2,30	136.3	2000	510	10869	96.6	0,84	160	8544	94.4	0,80	70	7651	91.6	0,73
	1400	**1NB1 566-8AR30-4C.0**	896	96.8	0,84	240	14921	2,60	151.7	2000	560	11972	96.7	0,83	175	9411	94.4	0,78	80	8427	91.5	0,69

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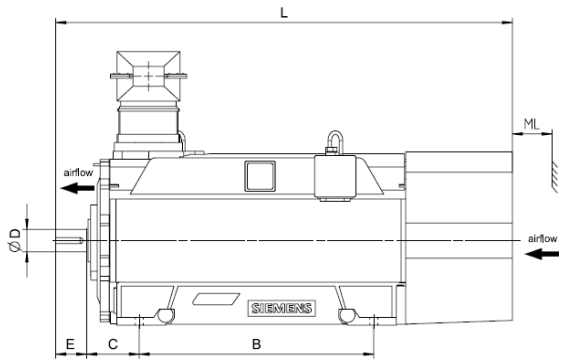


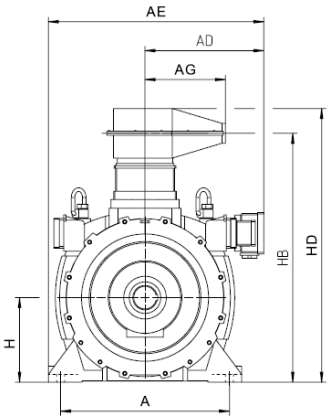


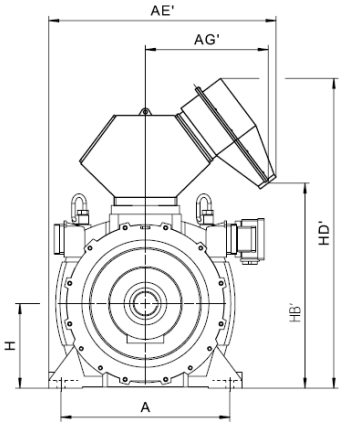


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 452-2AR30-4AC0	5000	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 452-2AR30-4CC0	5200	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 454-2AR30-4AC0	5200	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 454-2AR30-4C.0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 456-2AR30-4AC0	5500	900	557	737	1072	1252	525	693	1250	500	95	130	450	1329	1044	1456	1647	2584	180
1NB1 456-2AR30-4C.0	5400	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	2289	180
1NB1 502-2AR30-4CC0	6800	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 504-2AR30-4CC0	7100	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 506-2AR30-4CC0	7600	1000	629	737	1194	1302	525	693	1320	560	110	165	500	1440	1155	1567	1758	2782	200
1NB1 564-2AR30-4CC0	9100	1120	684	737	1319	1372	525	693	1400	600	120	165	560	1565	1279	1691	1883	2913	225
1NB1 566-2AR30-4CC0	9500	1120	684	737	1319	1372	525	693	1400	600	120	165	560	1565	1279	1691	1883	2913	225
4-pole																			
1NB1 452-4AR30-4A.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-4AR30-4C.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR30-4A.0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-4AR30-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR30-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-4AR30-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-4AR30-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-4AR30-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR30-4A.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-4AR30-4C.0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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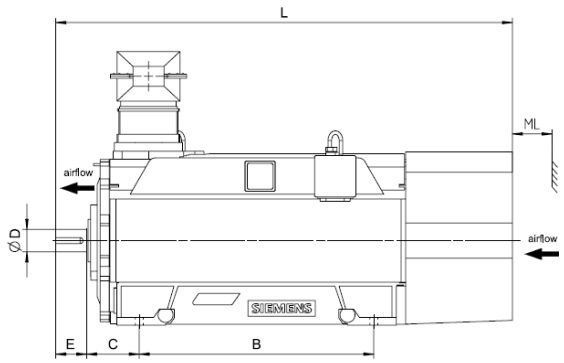


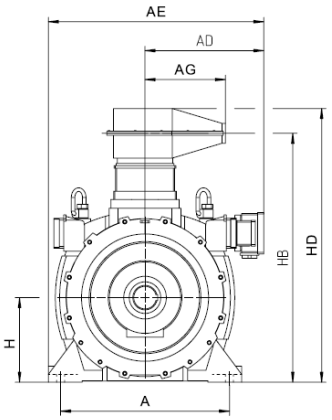


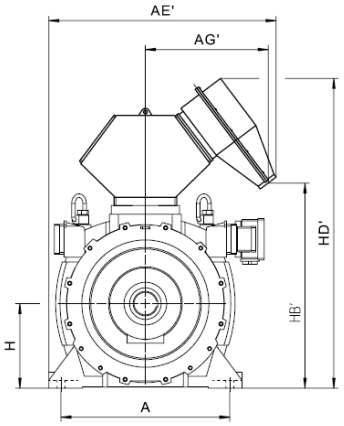


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-4AR30-4A.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-4AR30-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 560-4AR30-4C.0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 560-4AR30-4A.0	8300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR30-4C.0	9000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 562-4AR30-4A.0	8700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR30-4A.0	9100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-4AR30-4C.0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR30-4A.0	9600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-4AR30-4C.0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
6-pole																			
1NB1 452-6AR30-4A.0	4900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-6AR30-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR30-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-6AR30-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR30-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-6AR30-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 500-6AR30-4C.0	6400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 500-6AR30-4A.0	6200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AR30-4A.0	6600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-6AR30-4C.0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR30-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-6AR30-4C.0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200

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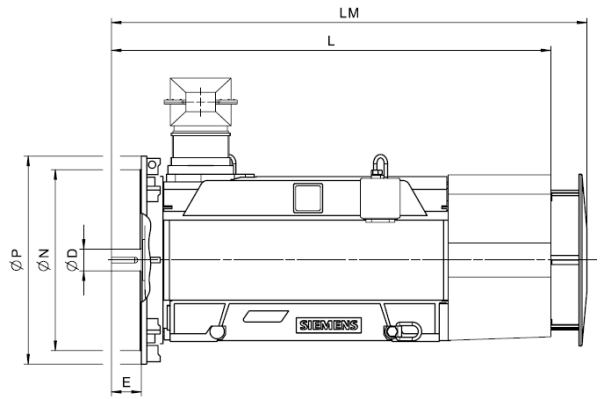


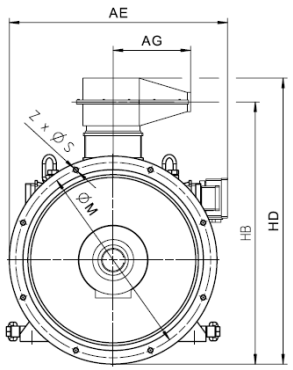


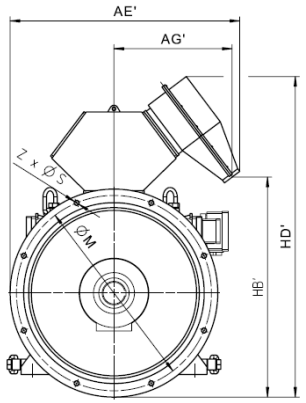


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-6AR30-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-6AR30-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-6AR30-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-6AR30-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-6AR30-4C.0	10400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
8-pole																			
1NB1 452-8AR30-4A.0	4800	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 452-8AR30-4C.0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR30-4A.0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 454-8AR30-4C.0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR30-4A.0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 456-8AR30-4C.0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	2434	180
1NB1 502-8AR30-4C.0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 502-8AR30-4A.0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR30-4C.0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 504-8AR30-4A.0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR30-4A.0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 506-8AR30-4C.0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	2622	200
1NB1 562-8AR30-4C.0	9200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 564-8AR30-4C.0	9800	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225
1NB1 566-8AR30-4C.0	10300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	2783	225

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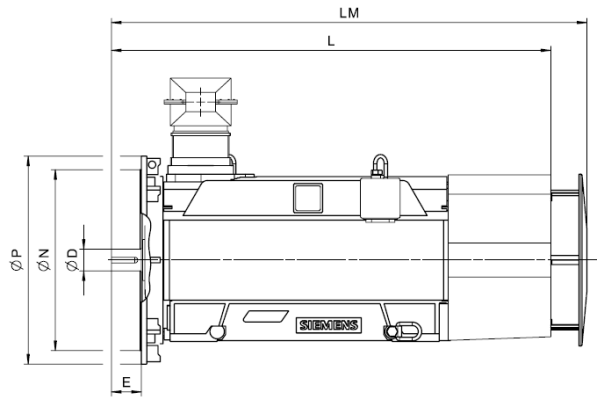


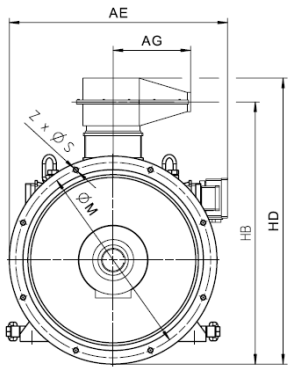


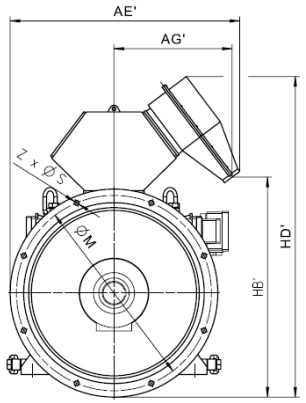


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NB1 452-4AR34-4AA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-4AR34-4CA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR34-4AA0	5400	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-4AR34-4CA0	5600	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR34-4AA0	5800	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-4AR34-4CA0	6000	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 502-4AR34-4CA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-4AR34-4AA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR34-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-4AR34-4CA0	7300	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR34-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-4AR34-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 560-4AR34-4CA0	9000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 560-4AR34-4AA0	8700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR34-4CA0	9400	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 562-4AR34-4AA0	9100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR34-4AA0	9500	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-4AR34-4CA0	9800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR34-4AA0	10000	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-4AR34-4CA0	10300	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
6-pole													
1NB1 452-6AR34-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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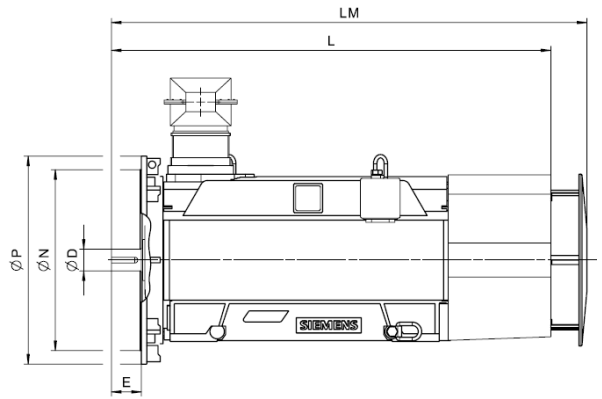


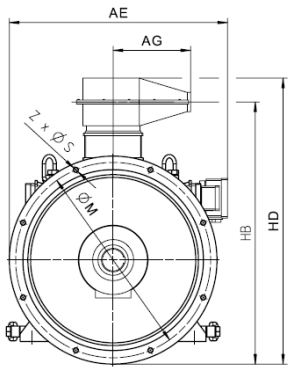


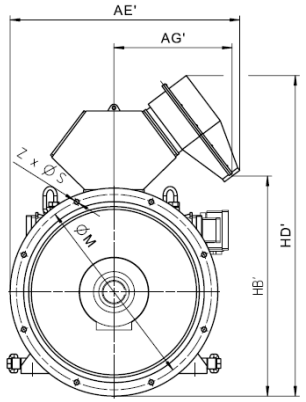


Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 452-6AR34-4CA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR34-4AA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-6AR34-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR34-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-6AR34-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 500-6AR34-4CA0	6700	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 500-6AR34-4AA0	6500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR34-4AA0	6900	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-6AR34-4CA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR34-4AA0	7200	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-6AR34-4CA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR34-4AA0	7600	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-6AR34-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-6AR34-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-6AR34-4CA0	10200	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-6AR34-4CA0	10800	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
8-pole													
1NB1 452-8AR34-4AA0	5100	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 452-8AR34-4CA0	5200	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR34-4AA0	5300	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 454-8AR34-4CA0	5500	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR34-4AA0	5700	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8
1NB1 456-8AR34-4CA0	5900	1132	525	120	1454	1581	2434	2634	1080	1000	1150	28	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 502-8AR34-4CA0	7000	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 502-8AR34-4AA0	6800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR34-4CA0	7400	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 504-8AR34-4AA0	7100	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR34-4AA0	7500	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 506-8AR34-4CA0	7800	1254	525	140	1565	1692	2622	2822	1180	1120	1250	28	16
1NB1 562-8AR34-4CA0	9600	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 564-8AR34-4CA0	10100	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16
1NB1 566-8AR34-4CA0	10700	1384	525	160	1705	1831	2783	3023	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
730	640	**1NB1 402-2BC00-4AA0**	2980	96.6	0,93	680	2339	3,60	10.0	3600	345	2214	95.7	0,92	120	1987	92.8	0,90	55	1884	88.1	0,90
690	610	**1NB1 402-2BC00-4CA0**	2982	96.5	0,93	640	2210	3,70	12.3	3600	325	2092	95.6	0,91	115	1878	92.9	0,90	55	1780	88.4	0,90
750	660	**1NB1 404-2BC00-4AA0**	2980	96.7	0,94	690	2403	3,90	11.0	3600	355	2275	95.7	0,93	125	2042	92.8	0,92	60	1935	88.1	0,92
710	630	**1NB1 404-2BC00-4CA0**	2982	96.6	0,94	650	2274	4,00	13.5	3600	335	2153	95.6	0,93	120	1932	92.9	0,91	55	1831	88.6	0,91
850	750	**1NB1 406-2BC00-4AA0**	2982	96.9	0,94	780	2722	3,90	12.2	3600	400	2578	96.0	0,93	140	2313	93.5	0,91	65	2193	89.3	0,91
850	750	**1NB1 406-2BC00-4CA0**	2983	96.8	0,94	780	2721	3,80	14.9	3600	400	2577	95.9	0,93	140	2313	93.4	0,91	65	2192	89.4	0,91
900	790	**1NB1 452-2BC00-4AA0**	2984	97.0	0,93	830	2880	2,90	12.6	3600	425	2726	96.2	0,92	150	2447	93.6	0,91	70	2319	89.3	0,91
900	790	**1NB1 452-2BC00-4CA0**	2984	96.9	0,93	840	2880	2,80	17.1	3600	425	2726	96.1	0,92	150	2447	93.5	0,91	70	2319	89.3	0,91
1000	880	**1NB1 454-2BC00-4AA0**	2983	97.0	0,94	920	3201	2,80	14.0	3600	470	3030	96.1	0,93	165	2719	93.4	0,92	80	2577	88.9	0,92
1000	880	**1NB1 454-2BC00-4CA0**	2984	96.9	0,94	920	3200	2,70	19.0	3600	470	3030	96.0	0,93	165	2719	93.3	0,92	80	2577	88.9	0,92
1160	1020	**1NB1 456-2BC00-4AA0**	2985	97.3	0,94	1060	3711	3,30	15.5	3600	545	3516	96.5	0,93	195	3155	94.1	0,92	90	2990	90.3	0,92
1160	1020	**1NB1 456-2BC00-4CA0**	2986	97.2	0,94	1060	3710	3,10	20.9	3600	545	3513	96.4	0,94	195	3152	94.1	0,92	90	2988	90.4	0,92
1150	1010	**1NB1 502-2BC00-4CA0**	2985	96.8	0,90	1100	3679	2,80	27.1	3000	540	3483	95.9	0,90	195	3126	93.7	0,89	90	2963	90.1	0,89
1150	1010	**1NB1 502-2BC00-4AA0**	2984	96.9	0,89	1120	3680	2,80	20.9	3000	540	3483	96.1	0,89	190	3126	93.7	0,88	90	2963	89.9	0,89
1450	1280	**1NB1 504-2BC00-4AA0**	2987	97.2	0,90	1380	4636	3,40	23.3	3000	685	4389	96.4	0,90	245	3939	94.3	0,89	115	3733	91.0	0,89
1450	1280	**1NB1 504-2BC00-4CA0**	2988	97.1	0,91	1380	4634	3,30	30.0	3000	685	4387	96.2	0,90	245	3937	94.3	0,89	115	3732	91.1	0,89
1500	1320	**1NB1 506-2BC00-4AA0**	2987	97.2	0,91	1420	4795	3,70	26.3	3000	705	4539	96.3	0,91	250	4073	94.3	0,90	115	3860	91.0	0,90
1510	1330	**1NB1 506-2BC00-4CA0**	2988	97.1	0,91	1420	4826	3,10	33.2	3000	710	4569	96.3	0,91	255	4100	94.3	0,90	120	3886	91.1	0,90
1800	1590	**1NB1 564-2BC00-4CA0**	2990	97.2	0,91	1700	5749	3,00	49.9	3000	850	5442	96.4	0,90	305	4884	94.7	0,90	140	4629	92.0	0,90
1910	1680	**1NB1 566-2BC00-4CA0**	2990	97.2	0,92	1780	6100	3,10	55.2	3000	900	5774	96.4	0,91	320	5182	94.6	0,91	150	4912	91.8	0,91
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
800	710	**1NB1 404-4BC00-4AA0**	1491	96.5	0,89	780	5124	3,40	15.6	2600	375	4850	94.9	0,88	135	4352	92.0	0,87	60	4125	87.5	0,87
850	750	**1NB1 404-4BC00-4CA0**	1489	96.5	0,89	830	5451	2,80	19.8	2600	400	5162	95.0	0,88	140	4633	91.8	0,88	65	4391	86.6	0,88
850	750	**1NB1 406-4BC00-4AA0**	1492	96.6	0,89	830	5440	3,80	17.4	2600	400	5151	95.0	0,88	140	4623	92.4	0,87	65	4381	88.4	0,87
900	790	**1NB1 406-4BC00-4CA0**	1490	96.6	0,89	880	5768	3,10	22.1	2600	425	5461	95.3	0,88	150	4901	92.4	0,87	70	4645	87.8	0,88
1000	880	**1NB1 452-4BC00-4AA0**	1490	96.7	0,90	960	6409	2,80	23.9	2400	470	6068	95.5	0,89	165	5446	92.5	0,87	75	5161	87.9	0,88
1000	880	**1NB1 452-4BC00-4CA0**	1490	96.7	0,89	970	6409	2,50	30.9	2400	470	6069	95.5	0,88	165	5446	92.5	0,87	75	5162	87.7	0,87
1150	1010	**1NB1 454-4BC00-4AA0**	1491	96.8	0,90	1100	7365	2,90	26.3	2400	540	6976	95.6	0,89	190	6261	92.7	0,88	90	5934	88.2	0,88
1150	1010	**1NB1 454-4BC00-4CA0**	1491	96.8	0,89	1120	7365	2,60	33.8	2400	540	6977	95.6	0,88	190	6262	92.7	0,87	90	5935	88.2	0,87
1250	1100	**1NB1 456-4BC00-4CA0**	1491	97.0	0,90	1200	8006	2,80	39.0	2400	590	7579	95.8	0,89	210	6802	93.2	0,87	95	6447	89.0	0,88
1250	1100	**1NB1 456-4BC00-4AA0**	1491	97.0	0,91	1180	8006	3,10	30.4	2400	590	7579	95.7	0,89	210	6802	93.1	0,88	95	6447	89.0	0,88
1250	1100	**1NB1 502-4BC00-4CA0**	1491	96.5	0,87	1240	8006	2,30	37.2	2200	590	7582	95.3	0,87	210	6804	92.1	0,86	95	6449	87.1	0,86
1250	1100	**1NB1 502-4BC00-4AA0**	1491	96.4	0,88	1240	8006	3,00	28.4	2200	590	7584	95.1	0,87	210	6806	91.9	0,86	95	6451	86.9	0,87
1400	1230	**1NB1 504-4BC00-4CA0**	1492	96.7	0,86	1400	8960	2,30	42.4	2200	660	8491	95.6	0,86	235	7620	92.9	0,85	110	7223	88.6	0,86

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SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1400	1230	**1NB1 504-4BC00-4AA0**	1491	96.7	0,88	1380	8966	3,00	32.5	2200	660	8492	95.4	0,87	235	7621	92.6	0,86	110	7224	88.3	0,86
1420	1250	**1NB1 506-4BC00-4AA0**	1492	96.7	0,89	1380	9088	3,30	37.0	2200	670	8607	95.4	0,89	235	7724	92.7	0,87	110	7321	88.7	0,87
1420	1250	**1NB1 506-4BC00-4CA0**	1492	96.8	0,88	1400	9088	2,60	48.0	2200	670	8606	95.6	0,88	240	7723	93.0	0,87	110	7320	89.0	0,87
1500	1320	**1NB1 562-4BC00-4AA0**	1493	96.9	0,89	1460	9594	2,90	54.4	2000	710	9082	95.8	0,88	250	8150	93.2	0,87	115	7725	89.2	0,87
1500	1320	**1NB1 562-4BC00-4CA0**	1493	97.0	0,88	1480	9594	2,50	72.4	2000	710	9085	95.9	0,87	250	8153	93.2	0,86	115	7727	89.0	0,87
1800	1590	**1NB1 564-4BC00-4AA0**	1493	97.2	0,89	1740	11513	2,90	59.8	2000	850	10907	96.1	0,88	300	9789	93.8	0,87	140	9278	90.3	0,87
1800	1590	**1NB1 564-4BC00-4CA0**	1493	97.3	0,88	1760	11513	2,50	79.3	2000	850	10900	96.2	0,87	300	9782	93.9	0,86	140	9271	90.3	0,87
1900	1680	**1NB1 566-4BC00-4AA0**	1493	97.2	0,90	1820	12152	2,80	66.6	2000	895	11516	96.0	0,89	320	10335	93.7	0,88	150	9795	90.0	0,88
1910	1680	**1NB1 566-4BC00-4CA0**	1493	97.3	0,89	1840	12216	2,50	88.0	2000	900	11577	96.1	0,89	320	10390	93.7	0,88	150	9848	90.0	0,88
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
680	600	**1NB1 404-6BC00-4AA0**	994	96.2	0,88	670	6533	3,20	25.9	2400	320	6184	94.2	0,86	115	5550	90.5	0,86	55	5260	85.3	0,86
680	600	**1NB1 404-6BC00-4CA0**	993	96.2	0,87	680	6539	2,70	33.3	2400	320	6193	94.5	0,86	115	5558	90.8	0,86	50	5268	85.1	0,87
710	630	**1NB1 406-6BC00-4AA0**	995	96.3	0,88	700	6814	3,50	29.6	2400	335	6452	94.3	0,86	120	5790	91.0	0,85	55	5488	86.2	0,86
710	630	**1NB1 406-6BC00-4CA0**	994	96.4	0,88	700	6821	3,00	38.1	2400	335	6459	94.8	0,87	120	5796	91.4	0,86	55	5494	86.4	0,86
800	710	**1NB1 452-6BC00-4AA0**	993	96.2	0,85	820	7693	2,80	34.7	2200	375	7285	94.4	0,84	135	6538	90.8	0,84	60	6196	85.2	0,85
800	710	**1NB1 452-6BC00-4CA0**	992	96.3	0,84	830	7701	2,50	43.3	2200	375	7290	94.6	0,84	135	6543	90.8	0,84	60	6201	85.0	0,85
970	860	**1NB1 454-6BC00-4AA0**	993	96.3	0,86	980	9328	2,70	39.5	2200	455	8836	94.5	0,85	160	7930	90.9	0,85	75	7516	85.4	0,86
960	850	**1NB1 454-6BC00-4CA0**	992	96.4	0,85	980	9241	2,40	49.1	2200	450	8750	94.7	0,85	160	7852	91.0	0,85	75	7442	85.2	0,86
1000	880	**1NB1 456-6BC00-4AA0**	995	96.5	0,85	1020	9597	3,50	45.8	2200	470	9090	94.7	0,83	165	8158	91.6	0,82	80	7732	87.0	0,83
1010	890	**1NB1 456-6BC00-4CA0**	994	96.6	0,85	1020	9703	3,00	56.7	2200	475	9187	95.1	0,84	170	8245	92.0	0,84	80	7814	87.3	0,84
1020	900	**1NB1 500-6BC00-4CA0**	993	96.5	0,86	1020	9809	1,80	59.8	2100	480	9289	95.1	0,86	170	8336	91.6	0,87	80	7901	86.3	0,88
1000	880	**1NB1 500-6BC00-4AA0**	991	96.2	0,83	1040	9636	2,00	46.4	2100	470	9128	94.6	0,84	165	8192	90.6	0,85	75	7764	84.5	0,86
1210	1070	**1NB1 502-6BC00-4AA0**	991	96.5	0,83	1260	11660	2,10	52.7	2100	570	11040	95.0	0,84	200	9908	91.3	0,84	90	9390	85.7	0,85
1300	1150	**1NB1 502-6BC00-4CA0**	993	96.7	0,86	1300	12502	1,80	67.5	2100	610	11837	95.4	0,86	215	10623	92.1	0,87	100	10069	87.0	0,88
1320	1160	**1NB1 504-6BC00-4CA0**	993	96.7	0,87	1320	12694	1,90	76.1	2100	620	12023	95.4	0,87	220	10790	92.1	0,88	100	10227	87.1	0,89
1250	1100	**1NB1 504-6BC00-4AA0**	992	96.5	0,85	1280	12033	2,10	59.6	2100	590	11402	95.0	0,86	205	10233	91.3	0,86	95	9699	85.8	0,87
1460	1290	**1NB1 506-6BC00-4CA0**	994	96.9	0,87	1440	14026	2,10	85.5	2100	690	13283	95.6	0,87	245	11920	92.7	0,88	115	11298	88.3	0,88
1400	1230	**1NB1 506-6BC00-4AA0**	993	96.7	0,86	1400	13463	2,30	67.3	2100	660	12759	95.1	0,86	235	11451	91.8	0,86	105	10853	87.0	0,87
1700	1500	**1NB1 562-6BC00-4CA0**	994	97.0	0,87	1680	16332	2,10	120.2	2000	800	15477	95.8	0,88	285	13890	92.6	0,89	130	13165	87.8	0,90
1950	1720	**1NB1 564-6BC00-4CA0**	994	97.2	0,88	1900	18734	2,40	136.6	2000	920	17734	95.9	0,88	325	15915	93.3	0,89	150	15085	89.1	0,89
2250	1980	**1NB1 566-6BC00-4CA0**	995	97.4	0,87	2200	21594	2,80	151.8	2000	1060	20439	96.1	0,87	375	18342	93.9	0,87	175	17385	90.5	0,87
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						
540	480	**1NB1 404-8BC00-4AA0**	743	95.7	0,83	570	6940	2,70	26.7	2400	255	6575	92.9	0,82	90	5901	87.6	0,81	40	5593	80.0	0,82
520	460	**1NB1 404-8BC00-4CA0**	742	95.6	0,82	560	6692	2,40	32.9	2400	245	6343	92.9	0,81	85	5693	87.4	0,80	40	5395	79.3	0,81
590	520	**1NB1 406-8BC00-4AA0**	745	95.8	0,81	640	7563	3,50	30.6	2400	280	7165	92.8	0,79	100	6430	88.0	0,77	45	6094	81.3	0,78

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SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
570	500	**1NB1 406-8BC00-4CA0**	744	95.9	0,80	620	7316	3,00	37.6	2400	270	6931	93.4	0,78	95	6220	88.7	0,77	45	5895	82.0	0,78
650	570	**1NB1 452-8BC00-4AA0**	743	95.7	0,78	730	8354	2,20	35.1	2200	305	7915	93.1	0,78	105	7103	88.0	0,79	50	6732	80.3	0,81
630	560	**1NB1 452-8BC00-4CA0**	741	95.6	0,79	700	8119	2,30	43.0	2200	295	7694	93.0	0,78	105	6905	87.5	0,79	45	6544	79.2	0,80
760	670	**1NB1 454-8BC00-4AA0**	743	95.7	0,80	830	9768	2,20	39.9	2200	355	9255	93.2	0,80	125	8306	88.1	0,81	55	7872	80.6	0,82
750	660	**1NB1 454-8BC00-4CA0**	741	95.7	0,80	820	9665	2,30	48.7	2200	350	9159	93.1	0,80	125	8220	87.7	0,81	55	7791	79.5	0,82
810	720	**1NB1 456-8BC00-4AA0**	744	95.9	0,81	870	10396	2,60	46.4	2200	380	9853	93.5	0,80	135	8843	88.8	0,80	60	8381	82.0	0,81
810	720	**1NB1 456-8BC00-4CA0**	743	95.9	0,81	870	10410	2,60	56.4	2200	380	9869	93.5	0,80	135	8857	88.6	0,80	60	8395	81.3	0,81
860	760	**1NB1 502-8BC00-4CA0**	743	95.8	0,85	880	11053	1,90	67.0	2100	405	10473	94.1	0,84	140	9399	90.1	0,84	65	8908	83.6	0,85
830	730	**1NB1 502-8BC00-4AA0**	742	95.7	0,80	910	10682	1,70	52.0	2100	390	10114	94.0	0,80	135	9077	89.5	0,80	60	8603	82.5	0,81
950	840	**1NB1 504-8BC00-4AA0**	743	95.9	0,80	1040	12210	1,80	58.8	2100	445	11564	94.3	0,80	155	10378	90.4	0,80	70	9836	84.3	0,81
1000	880	**1NB1 504-8BC00-4CA0**	744	96.0	0,85	1020	12835	2,00	75.6	2100	470	12165	94.4	0,84	165	10917	90.7	0,83	75	10347	85.0	0,84
1030	910	**1NB1 506-8BC00-4AA0**	744	96.1	0,81	1100	13220	2,00	66.3	2100	485	12521	94.4	0,80	170	11237	90.9	0,80	80	10650	85.3	0,81
1050	930	**1NB1 506-8BC00-4CA0**	745	96.0	0,85	1080	13459	2,30	85.1	2100	495	12754	94.4	0,84	175	11446	91.1	0,83	80	10848	86.0	0,83
1310	1160	**1NB1 562-8BC00-4CA0**	744	96.6	0,84	1360	16814	1,90	119.6	2000	615	15935	95.1	0,85	215	14301	91.7	0,86	100	13554	86.4	0,86
1500	1320	**1NB1 564-8BC00-4CA0**	744	96.7	0,85	1520	19253	2,00	136.3	2000	705	18235	95.2	0,85	250	16365	91.8	0,86	115	15510	86.6	0,86
1600	1410	**1NB1 566-8BC00-4CA0**	744	96.8	0,85	1620	20536	1,90	151.7	2000	755	19454	95.3	0,86	265	17459	91.9	0,86	120	16548	86.9	0,87

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 402-2BC00-4AA0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 402-2BC00-4CA0	4000	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 404-2BC00-4AA0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 404-2BC00-4CA0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 406-2BC00-4AA0	4200	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 406-2BC00-4CA0	4300	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 452-2BC00-4AA0	5000	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 452-2BC00-4CA0	5200	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 454-2BC00-4AA0	5200	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 454-2BC00-4CA0	5400	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 456-2BC00-4AA0	5500	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 456-2BC00-4CA0	5600	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 502-2BC00-4CA0	6800	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	3357	200
1NB1 502-2BC00-4AA0	6600	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	3357	200
1NB1 504-2BC00-4AA0	6900	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	3357	200
1NB1 504-2BC00-4CA0	7100	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	3357	200
1NB1 506-2BC00-4AA0	7300	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	3357	200
1NB1 506-2BC00-4CA0	7500	1000	629	831	1194	1396	371	719	1320	315	110	165	500	1557	1322	1723	1907	3357	200
1NB1 564-2BC00-4CA0	9100	1120	684	831	1319	1466	371	719	1400	335	120	165	560	1682	1447	1847	2031	3508	225
1NB1 566-2BC00-4CA0	9500	1120	684	831	1319	1466	371	719	1400	335	120	165	560	1682	1447	1847	2031	3508	225
4-pole																			
1NB1 404-4BC00-4AA0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 404-4BC00-4CA0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-4BC00-4AA0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-4BC00-4CA0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 452-4BC00-4AA0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 452-4BC00-4CA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-4BC00-4AA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-4BC00-4CA0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-4BC00-4CA0	5900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-4BC00-4AA0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 502-4BC00-4CA0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-4BC00-4AA0	6600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-4BC00-4CA0	7300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-4BC00-4AA0	7100	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-4BC00-4AA0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 506-4BC00-4CA0	7700	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 562-4BC00-4AA0	8900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 562-4BC00-4CA0	9200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-4BC00-4AA0	9400	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-4BC00-4CA0	9700	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-4BC00-4AA0	9900	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-4BC00-4CA0	10200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
6-pole																			
1NB1 404-6BC00-4AA0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 404-6BC00-4CA0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-6BC00-4AA0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-6BC00-4CA0	4700	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 452-6BC00-4AA0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 452-6BC00-4CA0	5200	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-6BC00-4AA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-6BC00-4CA0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-6BC00-4AA0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-6BC00-4CA0	5800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 500-6BC00-4CA0	6700	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 500-6BC00-4AA0	6500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-6BC00-4AA0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-6BC00-4CA0	7100	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-6BC00-4CA0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-6BC00-4AA0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-6BC00-4CA0	7900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-6BC00-4AA0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 562-6BC00-4CA0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-6BC00-4CA0	10100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-6BC00-4CA0	10800	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
8-pole																			
1NB1 404-8BC00-4AA0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 404-8BC00-4CA0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-8BC00-4AA0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-8BC00-4CA0	4600	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 452-8BC00-4AA0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 452-8BC00-4CA0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-8BC00-4AA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 454-8BC00-4CA0	5400	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-8BC00-4AA0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-8BC00-4CA0	5800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 502-8BC00-4CA0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-8BC00-4AA0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-8BC00-4AA0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-8BC00-4CA0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-8BC00-4AA0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-8BC00-4CA0	7800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 562-8BC00-4CA0	9600	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-8BC00-4CA0	10100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-8BC00-4CA0	10700	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
2-pole														
1NB1 402-2BC04-4AA0	4100	1041	356	85	1285	1499	2808	3011	940	880	1000	24	8
1NB1 402-2BC04-4CA0	4200	1041	356	85	1285	1499	2808	3011	940	880	1000	24	8
1NB1 404-2BC04-4AA0	4200	1041	356	85	1285	1499	2808	3011	940	880	1000	24	8
1NB1 404-2BC04-4CA0	4300	1041	356	85	1285	1499	2808	3011	940	880	1000	24	8
1NB1 406-2BC04-4AA0	4400	1041	356	85	1285	1499	2808	3011	940	880	1000	24	8
1NB1 406-2BC04-4CA0	4500	1041	356	85	1285	1499	2808	3011	940	880	1000	24	8
4-pole														
1NB1 404-4BC04-4AA0	4300	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 404-4BC04-4CA0	4400	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-4BC04-4AA0	4500	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-4BC04-4CA0	4600	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 452-4BC04-4AA0	5400	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 452-4BC04-4CA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-4BC04-4AA0	5600	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-4BC04-4CA0	5700	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-4BC04-4CA0	6100	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-4BC04-4AA0	5900	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 502-4BC04-4CA0	7100	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-4BC04-4AA0	6900	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-4BC04-4CA0	7600	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-4BC04-4AA0	7400	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-4BC04-4AA0	7800	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-4BC04-4CA0	8000	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 562-4BC04-4AA0	9300	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 562-4BC04-4CA0	9600	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-4BC04-4AA0	9700	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-4BC04-4CA0	10100	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-4BC04-4AA0	10200	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-4BC04-4CA0	10600	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
6-pole														
1NB1 404-6BC04-4AA0	4400	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 404-6BC04-4CA0	4600	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-6BC04-4AA0	4700	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-6BC04-4CA0	4900	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 452-6BC04-4AA0	5300	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 452-6BC04-4CA0	5400	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NB1 454-6BC04-4AA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-6BC04-4CA0	5700	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-6BC04-4AA0	5900	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-6BC04-4CA0	6100	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 500-6BC04-4CA0	7000	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 500-6BC04-4AA0	6800	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-6BC04-4AA0	7200	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-6BC04-4CA0	7400	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-6BC04-4CA0	7700	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-6BC04-4AA0	7500	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-6BC04-4CA0	8200	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-6BC04-4AA0	7900	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 562-6BC04-4CA0	9900	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-6BC04-4CA0	10500	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-6BC04-4CA0	11100	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
8-pole														
1NB1 404-8BC04-4AA0	4400	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 404-8BC04-4CA0	4600	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-8BC04-4AA0	4700	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-8BC04-4CA0	4800	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 452-8BC04-4AA0	5200	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 452-8BC04-4CA0	5400	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-8BC04-4AA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-8BC04-4CA0	5600	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-8BC04-4AA0	5800	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-8BC04-4CA0	6000	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 502-8BC04-4CA0	7300	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-8BC04-4AA0	7100	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-8BC04-4AA0	7500	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-8BC04-4CA0	7700	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-8BC04-4AA0	7900	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-8BC04-4CA0	8100	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 562-8BC04-4CA0	9900	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-8BC04-4CA0	10500	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-8BC04-4CA0	11100	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
880	780	**1NB1 402-2BC10-4AA0**	3580	96.7	0,93	820	2347	3,40	10.0	3600	415	2222	96.0	0,92	145	1994	93.7	0,90	70	1890	89.8	0,90
850	750	**1NB1 402-2BC10-4CA0**	3581	96.6	0,92	800	2267	3,40	12.3	3600	400	2145	95.9	0,91	140	1925	93.7	0,89	65	1825	89.9	0,89
900	790	**1NB1 404-2BC10-4AA0**	3581	96.7	0,94	830	2400	3,90	11.0	3600	425	2272	96.0	0,93	150	2039	93.8	0,91	70	1933	90.1	0,91
900	790	**1NB1 404-2BC10-4CA0**	3582	96.6	0,94	830	2399	3,80	13.5	3600	425	2274	95.9	0,93	150	2041	93.7	0,91	70	1934	90.0	0,91
950	840	**1NB1 406-2BC10-4AA0**	3582	96.7	0,95	870	2533	4,10	12.2	3600	450	2400	96.0	0,93	160	2154	93.8	0,92	75	2041	90.1	0,92
910	800	**1NB1 406-2BC10-4CA0**	3583	96.7	0,94	840	2425	4,20	14.9	3600	430	2297	95.9	0,93	155	2061	93.8	0,91	70	1954	90.3	0,91
1250	1100	**1NB1 454-2BC10-4CA0**	3584	97.0	0,94	1140	3331	2,80	19.3	3600	590	3152	96.4	0,93	210	2829	94.3	0,92	100	2681	90.8	0,92
1270	1120	**1NB1 456-2BC10-4CA0**	3583	97.0	0,94	1160	3385	2,60	21.3	3600	600	3204	96.3	0,94	215	2876	94.0	0,93	100	2726	90.2	0,93
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
900	790	**1NB1 404-4BC10-4AA0**	1791	96.6	0,89	880	4799	3,30	15.6	2600	425	4542	95.1	0,88	150	4076	92.7	0,87	70	3864	88.8	0,88
950	840	**1NB1 404-4BC10-4CA0**	1789	96.6	0,89	920	5071	2,80	19.8	2600	450	4802	95.2	0,88	160	4309	92.5	0,88	75	4084	88.1	0,88
950	840	**1NB1 406-4BC10-4AA0**	1792	96.7	0,89	920	5062	3,80	17.4	2600	450	4792	95.1	0,88	160	4301	93.0	0,87	75	4076	89.6	0,86
1010	890	**1NB1 406-4BC10-4CA0**	1790	96.7	0,89	980	5388	3,10	22.1	2600	475	5101	95.4	0,88	170	4578	93.0	0,87	80	4339	89.2	0,87
1150	1010	**1NB1 452-4BC10-4AA0**	1790	96.8	0,90	1100	6135	2,80	23.9	2400	540	5808	95.6	0,89	190	5213	93.2	0,88	90	4941	89.2	0,88
1120	990	**1NB1 452-4BC10-4CA0**	1790	96.8	0,89	1080	5975	2,60	30.9	2400	530	5657	95.7	0,88	185	5077	93.2	0,87	85	4812	89.3	0,87
1350	1190	**1NB1 454-4BC10-4AA0**	1791	96.9	0,90	1300	7198	3,10	26.3	2400	635	6813	95.7	0,89	225	6115	93.4	0,87	105	5796	89.7	0,88
1310	1150	**1NB1 454-4BC10-4CA0**	1792	96.9	0,89	1280	6981	2,90	33.8	2400	620	6611	95.8	0,88	220	5933	93.5	0,87	100	5623	89.9	0,87
1450	1280	**1NB1 456-4BC10-4AA0**	1792	97.1	0,91	1380	7727	3,30	30.4	2400	685	7317	95.9	0,89	245	6567	93.8	0,88	115	6224	90.5	0,88
1420	1250	**1NB1 456-4BC10-4CA0**	1792	97.1	0,90	1360	7567	3,00	39.0	2400	670	7164	96.0	0,89	240	6429	93.9	0,87	110	6093	90.7	0,87
1450	1280	**1NB1 502-4BC10-4CA0**	1790	96.5	0,86	1460	7735	2,00	37.2	2200	685	7325	95.5	0,85	245	6574	93.0	0,85	115	6231	88.9	0,85
1450	1280	**1NB1 502-4BC10-4AA0**	1790	96.5	0,87	1440	7735	2,60	28.4	2200	685	7328	95.4	0,87	245	6577	92.8	0,86	115	6233	88.7	0,86
1500	1320	**1NB1 504-4BC10-4AA0**	1791	96.6	0,89	1460	7998	2,80	32.5	2200	705	7576	95.3	0,89	250	6799	92.9	0,88	115	6444	89.0	0,88
1500	1320	**1NB1 504-4BC10-4CA0**	1791	96.6	0,88	1480	7998	2,20	42.4	2200	705	7572	95.5	0,87	250	6796	93.1	0,87	115	6441	89.2	0,87
1750	1540	**1NB1 506-4BC10-4AA0**	1792	96.8	0,88	1720	9325	3,20	37.0	2200	825	8831	95.6	0,88	295	7925	93.5	0,86	135	7512	90.3	0,86
1750	1540	**1NB1 506-4BC10-4CA0**	1792	96.9	0,87	1740	9325	2,50	48.0	2200	825	8829	95.8	0,87	295	7924	93.8	0,86	135	7510	90.6	0,86
1850	1630	**1NB1 562-4BC10-4CA0**	1792	97.0	0,88	1820	9858	2,30	72.4	2000	875	9338	96.0	0,87	310	8381	93.9	0,86	145	7943	90.6	0,87
1850	1630	**1NB1 562-4BC10-4AA0**	1792	97.0	0,88	1820	9858	2,60	54.4	2000	875	9336	95.9	0,88	310	8379	94.0	0,87	145	7942	90.8	0,87
2110	1860	**1NB1 564-4BC10-4AA0**	1793	97.1	0,88	2050	11238	2,70	59.8	2000	995	10643	96.0	0,88	355	9552	94.0	0,87	165	9053	90.7	0,87
2110	1860	**1NB1 564-4BC10-4CA0**	1793	97.1	0,88	2050	11238	2,40	79.3	2000	995	10645	96.1	0,87	355	9553	94.0	0,86	165	9055	90.6	0,87
2150	1890	**1NB1 566-4BC10-4AA0**	1793	97.1	0,89	2100	11451	2,80	66.6	2000	1015	10838	96.1	0,89	360	9727	94.0	0,88	170	9219	90.7	0,88
2150	1900	**1NB1 566-4BC10-4CA0**	1793	97.2	0,89	2100	11451	2,40	88.0	2000	1015	10847	96.1	0,88	360	9734	94.0	0,88	170	9226	90.7	0,88
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
760	670	**1NB1 404-6BC10-4AA0**	1194	96.3	0,88	750	6078	3,00	25.9	2400	360	5755	94.4	0,87	125	5164	91.3	0,86	60	4895	86.8	0,87
780	690	**1NB1 404-6BC10-4CA0**	1193	96.4	0,87	780	6243	2,60	33.3	2400	370	5913	94.8	0,87	130	5306	91.5	0,86	60	5029	86.5	0,87

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SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
800	710	**1NB1 406-6BC10-4AA0**	1195	96.4	0,88	790	6393	3,50	29.6	2400	375	6052	94.4	0,87	135	5431	91.7	0,86	65	5148	87.9	0,86
820	720	**1NB1 406-6BC10-4CA0**	1194	96.5	0,88	810	6558	2,90	38.1	2400	385	6210	95.0	0,87	135	5573	92.2	0,86	65	5282	88.0	0,86
930	820	**1NB1 452-6BC10-4AA0**	1193	96.4	0,85	950	7444	2,60	34.7	2200	440	7050	94.7	0,85	155	6327	91.6	0,85	70	5997	86.7	0,85
920	810	**1NB1 452-6BC10-4CA0**	1192	96.5	0,85	940	7370	2,30	43.3	2200	435	6981	94.9	0,84	155	6265	91.6	0,84	70	5938	86.5	0,85
1150	1010	**1NB1 454-6BC10-4AA0**	1193	96.5	0,86	1160	9205	2,90	39.5	2200	540	8715	94.7	0,85	190	7821	91.8	0,84	90	7413	87.2	0,85
1150	1010	**1NB1 454-6BC10-4CA0**	1193	96.7	0,85	1180	9205	2,50	49.1	2200	540	8725	95.0	0,85	190	7830	92.0	0,85	90	7422	87.2	0,85
1150	1010	**1NB1 456-6BC10-4AA0**	1194	96.7	0,86	1160	9197	3,30	45.8	2200	540	8705	95.0	0,84	195	7812	92.6	0,83	90	7405	88.8	0,84
1170	1030	**1NB1 456-6BC10-4CA0**	1194	96.8	0,86	1180	9357	2,80	56.7	2200	550	8862	95.4	0,85	195	7953	92.9	0,84	90	7538	88.9	0,85
1270	1120	**1NB1 500-6BC10-4CA0**	1193	96.8	0,86	1280	10166	1,80	59.8	2100	600	9631	95.6	0,86	210	8643	92.8	0,87	100	8192	88.4	0,87
1250	1100	**1NB1 500-6BC10-4AA0**	1191	96.5	0,83	1300	10022	2,00	46.4	2100	590	9495	95.1	0,84	210	8522	91.8	0,84	95	8077	86.8	0,85
1450	1280	**1NB1 502-6BC10-4AA0**	1191	96.7	0,83	1520	11626	1,90	52.7	2100	685	11008	95.2	0,84	240	9879	91.9	0,84	110	9363	87.1	0,85
1400	1230	**1NB1 502-6BC10-4CA0**	1194	96.9	0,86	1400	11197	1,90	67.5	2100	660	10605	95.7	0,86	235	9518	93.1	0,87	110	9021	89.2	0,87
1570	1380	**1NB1 504-6BC10-4AA0**	1193	96.8	0,84	1620	12567	2,30	59.6	2100	740	11903	95.4	0,84	260	10682	92.6	0,84	120	10124	88.6	0,85
1670	1470	**1NB1 504-6BC10-4CA0**	1194	97.0	0,86	1680	13356	2,10	76.1	2100	790	12650	95.9	0,86	280	11353	93.4	0,87	130	10760	89.7	0,87
1560	1380	**1NB1 506-6BC10-4AA0**	1193	96.9	0,86	1560	12487	2,50	67.3	2100	735	11828	95.3	0,85	260	10615	92.7	0,86	120	10061	88.8	0,86
1700	1500	**1NB1 506-6BC10-4CA0**	1194	97.0	0,87	1680	13596	2,10	85.5	2100	800	12873	95.8	0,87	285	11553	93.4	0,87	135	10950	89.7	0,88
2000	1760	**1NB1 562-6BC10-4CA0**	1194	97.2	0,87	1980	15995	2,40	120.2	2000	945	15141	95.9	0,88	335	13588	93.5	0,88	155	12879	89.9	0,89
2500	2200	**1NB1 564-6BC10-4CA0**	1195	97.4	0,87	2450	19978	2,40	136.6	2000	1180	18924	96.1	0,88	420	16983	93.9	0,88	195	16096	90.6	0,88
2400	2110	**1NB1 566-6BC10-4CA0**	1195	97.4	0,88	2350	19179	2,50	151.8	2000	1130	18163	96.0	0,88	405	16300	93.9	0,89	190	15449	90.7	0,89
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						
630	560	**1NB1 404-8BC10-4AA0**	893	96.0	0,84	650	6737	2,50	26.7	2400	295	6386	93.2	0,83	105	5731	88.5	0,82	50	5432	81.8	0,83
610	540	**1NB1 404-8BC10-4CA0**	891	95.8	0,82	650	6538	2,20	32.9	2400	285	6190	93.2	0,82	100	5555	88.3	0,81	45	5265	81.0	0,82
670	590	**1NB1 406-8BC10-4AA0**	894	96.0	0,85	690	7157	2,90	30.6	2400	315	6780	93.1	0,83	110	6085	88.7	0,82	50	5767	82.5	0,82
650	570	**1NB1 406-8BC10-4CA0**	893	96.0	0,83	680	6951	2,50	37.6	2400	305	6586	93.3	0,82	110	5911	88.8	0,81	50	5602	82.3	0,82
750	660	**1NB1 452-8BC10-4AA0**	892	95.9	0,79	830	8029	2,10	35.1	2200	355	7603	93.5	0,79	125	6823	88.9	0,80	55	6467	82.1	0,81
720	640	**1NB1 452-8BC10-4CA0**	891	95.8	0,79	800	7717	2,20	43.0	2200	340	7310	93.4	0,79	120	6561	88.6	0,80	55	6218	81.3	0,81
900	790	**1NB1 454-8BC10-4AA0**	892	95.9	0,80	980	9635	1,90	39.9	2200	425	9130	93.5	0,80	150	8194	88.8	0,81	70	7766	81.8	0,83
860	760	**1NB1 454-8BC10-4CA0**	891	95.9	0,81	930	9217	2,10	48.7	2200	405	8736	93.5	0,80	140	7840	88.5	0,81	65	7431	81.1	0,82
1000	880	**1NB1 456-8BC10-4CA0**	893	96.3	0,79	1100	10694	2,60	56.4	2200	470	10134	94.2	0,79	165	9095	90.4	0,79	75	8620	84.6	0,79
1000	880	**1NB1 456-8BC10-4AA0**	894	96.3	0,79	1100	10682	2,60	46.4	2200	470	10119	94.0	0,78	165	9081	90.4	0,78	75	8607	85.1	0,79
1000	880	**1NB1 502-8BC10-4CA0**	893	96.0	0,85	1020	10694	1,90	67.0	2100	470	10131	94.5	0,84	165	9092	91.2	0,84	75	8618	86.0	0,84
1000	880	**1NB1 502-8BC10-4AA0**	892	95.9	0,79	1100	10705	1,60	52.0	2100	470	10142	94.4	0,79	165	9102	90.6	0,80	75	8627	84.7	0,81
1120	990	**1NB1 504-8BC10-4AA0**	893	96.1	0,81	1200	11977	1,70	58.8	2100	525	11347	94.5	0,80	185	10184	91.0	0,80	85	9652	85.5	0,81
1150	1010	**1NB1 504-8BC10-4CA0**	893	96.1	0,85	1180	12298	2,00	75.6	2100	540	11644	94.5	0,84	190	10450	91.3	0,84	90	9905	86.3	0,84
1170	1030	**1NB1 506-8BC10-4AA0**	893	96.2	0,82	1240	12511	1,80	66.3	2100	550	11846	94.6	0,81	195	10631	91.3	0,81	90	10076	86.2	0,82

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SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque

Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1200	1060	**1NB1 506-8BC10-4CA0**	894	96.1	0,85	1220	12818	2,10	85.1	2100	565	12142	94.6	0,84	200	10897	91.5	0,84	90	10328	86.8	0,84
1510	1330	**1NB1 562-8BC10-4CA0**	894	96.6	0,84	1560	16129	1,90	119.6	2000	710	15290	95.3	0,85	250	13722	92.2	0,86	115	13005	87.4	0,86
1760	1550	**1NB1 564-8BC10-4CA0**	893	96.7	0,85	1800	18821	1,80	136.3	2000	830	17813	95.3	0,85	295	15986	92.1	0,86	135	15151	87.3	0,87
1820	1600	**1NB1 566-8BC10-4CA0**	894	96.8	0,85	1860	19440	2,10	151.7	2000	860	18405	95.3	0,85	305	16517	92.6	0,86	140	15655	88.5	0,86

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 402-2BC10-4AA0	3900	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 402-2BC10-4CA0	4000	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 404-2BC10-4AA0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 404-2BC10-4CA0	4100	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 406-2BC10-4AA0	4200	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 406-2BC10-4CA0	4300	800	541	746	991	1196	356	575	1120	254	85	130	400	1185	1029	1399	1642	2808	160
1NB1 454-2BC10-4CA0	5300	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
1NB1 456-2BC10-4CA0	5600	900	557	746	1072	1261	356	575	1250	280	95	130	450	1278	1122	1492	1734	3041	180
4-pole																			
1NB1 404-4BC10-4AA0	4100	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 404-4BC10-4CA0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-4BC10-4AA0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-4BC10-4CA0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 452-4BC10-4AA0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 452-4BC10-4CA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-4BC10-4AA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-4BC10-4CA0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-4BC10-4AA0	5700	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-4BC10-4CA0	5900	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 502-4BC10-4CA0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-4BC10-4AA0	6700	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-4BC10-4AA0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-4BC10-4CA0	7300	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-4BC10-4AA0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-4BC10-4CA0	7700	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 562-4BC10-4CA0	9300	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 562-4BC10-4AA0	9000	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-4BC10-4AA0	9300	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-4BC10-4CA0	9600	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-4BC10-4AA0	9800	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-4BC10-4CA0	10200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
6-pole																			
1NB1 404-6BC10-4AA0	4300	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 404-6BC10-4CA0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-6BC10-4AA0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-6BC10-4CA0	4700	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-6BC10-4AA0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 452-6BC10-4CA0	5200	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-6BC10-4AA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-6BC10-4CA0	5500	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-6BC10-4AA0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-6BC10-4CA0	5800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 500-6BC10-4CA0	6700	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 500-6BC10-4AA0	6500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-6BC10-4AA0	6900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-6BC10-4CA0	7100	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-6BC10-4AA0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-6BC10-4CA0	7500	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-6BC10-4AA0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-6BC10-4CA0	7900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 562-6BC10-4CA0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-6BC10-4CA0	10200	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-6BC10-4CA0	10700	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
8-pole																			
1NB1 404-8BC10-4AA0	4200	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 404-8BC10-4CA0	4400	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-8BC10-4AA0	4500	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 406-8BC10-4CA0	4600	800	541	746	991	1196	356	575	1120	254	120	165	400	1185	1029	1399	1642	2843	160
1NB1 452-8BC10-4AA0	5000	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 452-8BC10-4CA0	5100	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-8BC10-4AA0	5300	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 454-8BC10-4CA0	5400	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-8BC10-4CA0	5800	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 456-8BC10-4AA0	5600	900	557	746	1072	1261	356	575	1250	280	120	165	450	1278	1122	1492	1734	3076	180
1NB1 502-8BC10-4CA0	7000	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 502-8BC10-4AA0	6800	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-8BC10-4AA0	7200	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 504-8BC10-4CA0	7400	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-8BC10-4AA0	7600	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 506-8BC10-4CA0	7900	1000	629	831	1194	1396	371	719	1320	315	140	200	500	1557	1322	1723	1907	3392	200
1NB1 562-8BC10-4CA0	9500	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 564-8BC10-4CA0	10100	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225
1NB1 566-8BC10-4CA0	10700	1120	684	831	1319	1466	371	719	1400	335	160	240	560	1682	1447	1847	2031	3583	225

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NB1 404-4BC14-4AA0	4300	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 404-4BC14-4CA0	4400	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-4BC14-4AA0	4500	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-4BC14-4CA0	4600	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 452-4BC14-4AA0	5400	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 452-4BC14-4CA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-4BC14-4AA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-4BC14-4CA0	5700	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-4BC14-4AA0	5900	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-4BC14-4CA0	6100	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 502-4BC14-4CA0	7200	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-4BC14-4AA0	7000	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-4BC14-4AA0	7300	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-4BC14-4CA0	7600	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-4BC14-4AA0	7800	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-4BC14-4CA0	8000	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 562-4BC14-4CA0	9600	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 562-4BC14-4AA0	9300	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-4BC14-4AA0	9700	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-4BC14-4CA0	10000	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-4BC14-4AA0	10100	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-4BC14-4CA0	10500	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
6-pole														
1NB1 404-6BC14-4AA0	4400	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 404-6BC14-4CA0	4600	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-6BC14-4AA0	4700	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-6BC14-4CA0	4900	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 452-6BC14-4AA0	5300	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 452-6BC14-4CA0	5400	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-6BC14-4AA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-6BC14-4CA0	5700	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-6BC14-4AA0	5900	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-6BC14-4CA0	6100	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 500-6BC14-4CA0	7000	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 500-6BC14-4AA0	6800	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-6BC14-4AA0	7200	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 502-6BC14-4CA0	7400	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-6BC14-4AA0	7500	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-6BC14-4CA0	7800	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-6BC14-4AA0	7900	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-6BC14-4CA0	8100	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 562-6BC14-4CA0	9900	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-6BC14-4CA0	10500	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-6BC14-4CA0	11100	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
8-pole													
1NB1 404-8BC14-4AA0	4400	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 404-8BC14-4CA0	4600	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-8BC14-4AA0	4700	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 406-8BC14-4CA0	4800	1041	356	120	1285	1499	2843	3046	940	880	1000	24	8
1NB1 452-8BC14-4AA0	5200	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 452-8BC14-4CA0	5400	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-8BC14-4AA0	5500	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 454-8BC14-4CA0	5600	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-8BC14-4CA0	6000	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 456-8BC14-4AA0	5900	1132	356	120	1403	1617	3076	3284	1080	1000	1150	28	8
1NB1 502-8BC14-4CA0	7300	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 502-8BC14-4AA0	7100	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-8BC14-4AA0	7500	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 504-8BC14-4CA0	7700	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-8BC14-4AA0	7900	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 506-8BC14-4CA0	8200	1254	371	140	1682	1848	3392	3600	1180	1120	1250	28	16
1NB1 562-8BC14-4CA0	9900	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 564-8BC14-4CA0	10500	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16
1NB1 566-8BC14-4CA0	11100	1384	371	160	1822	1987	3583	3791	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC416 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B									Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit		1:2				1:5				1:10			
155(F)	130(B)																						
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																							
	850	**1NB1 452-2BR40-4AA0**	2983	96.8	0,89	136	2721	2,40	12.7	3600	400	2578	96.1	0,89	140	2313	93.3	0,89	65	2193	90.2	0,88
	830	**1NB1 452-2BR40-4CA0**	2979	96.5	0,89	134	2661	2,10	16.5	3600	390	2522	95.8	0,89	140	2263	92.7	0,88	65	2145	89.5	0,88
	920	**1NB1 454-2BR40-4AA0**	2986	97.1	0,90	146	2942	3,00	14.2	3600	435	2785	96.6	0,90	155	2499	94.3	0,89	70	2369	91.6	0,87
	900	**1NB1 454-2BR40-4CA0**	2984	96.8	0,91	142	2880	2,60	18.3	3600	425	2728	96.3	0,90	150	2448	93.8	0,88	70	2321	91.0	0,87
	1050	**1NB1 456-2BR40-4AA0**	2986	97.2	0,91	164	3358	3,10	15.7	3600	495	3179	96.7	0,91	175	2853	94.3	0,89	85	2704	91.8	0,88
	1010	**1NB1 456-2BR40-4CA0**	2984	96.9	0,91	158	3232	2,70	20.2	3600	475	3061	96.5	0,90	170	2747	94.0	0,89	80	2604	91.3	0,88
	1200	**1NB1 502-2BR40-4CA0**	2986	96.9	0,89	194	3838	2,60	26.7	3000	565	3635	96.6	0,89	200	3262	94.6	0,88	95	3092	92.1	0,86
	1200	**1NB1 502-2BR40-4AA0**	2985	97.0	0,89	192	3839	2,80	20.9	3000	565	3635	96.7	0,89	200	3262	94.6	0,88	95	3092	92.3	0,87
	1250	**1NB1 504-2BR40-4AA0**	2987	97.1	0,90	198	3996	3,30	23.3	3000	590	3782	96.9	0,90	210	3395	95.0	0,89	100	3217	92.8	0,87
	1250	**1NB1 504-2BR40-4CA0**	2988	97.0	0,90	198	3995	2,90	29.6	3000	590	3782	96.8	0,90	210	3395	95.0	0,89	100	3217	92.7	0,86
	1410	**1NB1 506-2BR40-4AA0**	2987	97.3	0,91	220	4508	3,30	26.3	3000	665	4267	97.0	0,90	235	3829	95.1	0,89	110	3629	93.0	0,88
	1410	**1NB1 506-2BR40-4CA0**	2988	97.2	0,90	225	4506	2,90	33.2	3000	665	4267	97.0	0,90	235	3829	95.1	0,89	110	3629	93.0	0,87
	1770	**1NB1 564-2BR40-4CA0**	2989	97.2	0,91	280	5655	2,50	49.9	3000	835	5355	97.1	0,91	300	4806	95.5	0,90	140	4555	93.7	0,89
	1800	**1NB1 566-2BR40-4CA0**	2991	97.3	0,91	280	5747	2,80	55.2	3000	850	5441	97.3	0,91	305	4883	95.8	0,91	145	4628	94.1	0,89
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																							
	980	**1NB1 452-4BR40-4AA0**	1491	96.6	0,85	166	6277	2,60	19.6	2400	460	5949	96.0	0,84	165	5338	92.9	0,83	75	5060	89.1	0,78
	960	**1NB1 452-4BR40-4CA0**	1491	96.7	0,83	166	6148	2,20	25.2	2400	450	5826	95.9	0,83	160	5229	93.0	0,82	75	4956	89.6	0,79
	960	**1NB1 454-4BR40-4AA0**	1493	96.7	0,85	162	6140	3,30	21.5	2400	455	5816	96.2	0,84	160	5220	93.3	0,81	75	4947	89.5	0,74
	960	**1NB1 454-4BR40-4CA0**	1493	96.7	0,84	164	6140	2,70	27.6	2400	455	5818	96.2	0,84	160	5221	93.5	0,81	75	4949	90.1	0,76
	1100	**1NB1 456-4BR40-4AA0**	1492	96.8	0,86	184	7040	3,10	24.8	2400	520	6667	96.3	0,86	185	5983	93.4	0,83	85	5671	89.9	0,78
	1100	**1NB1 456-4BR40-4CA0**	1492	96.9	0,85	186	7040	2,60	31.7	2400	520	6669	96.3	0,85	185	5985	93.6	0,83	85	5672	90.4	0,79
	1170	**1NB1 502-4BR40-4CA0**	1492	96.7	0,86	196	7488	2,20	37.2	2200	550	7097	96.2	0,85	195	6370	93.6	0,84	90	6037	90.6	0,82
	1170	**1NB1 502-4BR40-4AA0**	1492	96.6	0,87	194	7488	2,70	28.4	2200	550	7094	96.1	0,87	195	6366	93.4	0,85	90	6034	90.0	0,81
	1260	**1NB1 504-4BR40-4AA0**	1492	96.8	0,87	210	8064	2,80	32.5	2200	595	7640	96.4	0,87	210	6856	94.0	0,85	100	6498	91.0	0,82
	1260	**1NB1 504-4BR40-4CA0**	1492	96.9	0,86	210	8064	2,20	42.4	2200	595	7637	96.5	0,85	210	6854	94.2	0,85	100	6496	91.5	0,82
	1410	**1NB1 506-4BR40-4AA0**	1493	96.9	0,88	230	9018	3,00	37.0	2200	665	8544	96.6	0,88	235	7668	94.2	0,86	110	7268	91.3	0,81
	1410	**1NB1 506-4BR40-4CA0**	1493	97.0	0,87	230	9018	2,40	48.0	2200	665	8547	96.6	0,86	235	7671	94.4	0,85	110	7270	91.9	0,82
	1600	**1NB1 560-4BR40-4CA0**	1492	97.2	0,85	270	10241	2,00	64.6	2000	755	9696	96.7	0,85	270	8702	94.3	0,84	125	8247	91.8	0,82
	1610	**1NB1 560-4BR40-4AA0**	1493	97.1	0,86	270	10298	2,30	48.3	2000	760	9751	96.7	0,86	270	8751	94.3	0,84	125	8294	91.6	0,81
	1710	**1NB1 562-4BR40-4CA0**	1494	97.3	0,86	285	10930	2,30	72.4	2000	805	10359	97.0	0,85	285	9297	94.9	0,84	135	8812	92.6	0,81
	1720	**1NB1 562-4BR40-4AA0**	1494	97.2	0,87	280	10994	2,60	54.4	2000	810	10415	97.0	0,86	290	9347	94.9	0,84	135	8859	92.4	0,79
	1870	**1NB1 564-4BR40-4AA0**	1494	97.3	0,87	305	11953	2,90	59.8	2000	880	11316	97.1	0,87	315	10156	95.0	0,84	150	9625	92.5	0,79
	1870	**1NB1 564-4BR40-4CA0**	1494	97.4	0,87	305	11953	2,50	79.3	2000	880	11320	97.1	0,86	315	10159	95.1	0,84	150	9629	92.8	0,80
	2060	**1NB1 566-4BR40-4AA0**	1495	97.4	0,88	335	13158	3,00	66.6	2000	970	12464	97.2	0,87	345	11186	95.1	0,85	165	10602	92.6	0,80

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SIMOTICS HV C - 1NB1 IC416 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	2060	**1NB1 566-4BR40-4CA0**	1494	97.5	0,87	335	13167	2,60	88.0	2000	970	12466	97.2	0,87	345	11187	95.2	0,85	165	10603	93.0	0,81
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	630	**1NB1 452-6BR40-4AA0**	992	96.0	0,80	114	6065	1,80	28.0	2200	295	5749	94.8	0,81	105	5159	90.8	0,81	50	4890	86.4	0,80
	650	**1NB1 452-6BR40-4CA0**	992	96.1	0,83	114	6257	1,90	36.2	2200	305	5934	94.8	0,83	110	5326	90.8	0,84	50	5048	86.4	0,82
	720	**1NB1 454-6BR40-4AA0**	994	96.3	0,80	130	6917	2,30	31.8	2200	340	6553	95.5	0,80	120	5881	92.0	0,79	55	5574	87.7	0,74
	730	**1NB1 454-6BR40-4CA0**	994	96.4	0,83	126	7013	2,50	41.0	2200	345	6645	95.6	0,83	120	5964	92.1	0,81	55	5652	88.0	0,76
	800	**1NB1 456-6BR40-4AA0**	994	96.4	0,81	142	7686	2,40	36.8	2200	375	7277	95.6	0,81	135	6531	92.5	0,80	65	6190	88.4	0,75
	800	**1NB1 456-6BR40-4CA0**	994	96.4	0,84	138	7686	2,60	47.3	2200	375	7277	95.7	0,83	135	6531	92.6	0,82	65	6190	88.7	0,77
	960	**1NB1 500-6BR40-4CA0**	994	96.6	0,85	162	9223	1,90	59.8	2100	450	8738	95.5	0,86	160	7842	92.1	0,87	75	7433	88.2	0,86
	900	**1NB1 500-6BR40-4AA0**	992	96.4	0,83	156	8664	2,10	46.4	2100	425	8211	95.3	0,84	150	7369	91.3	0,84	70	6984	87.2	0,83
	960	**1NB1 502-6BR40-4AA0**	994	96.5	0,84	164	9223	2,60	52.7	2100	450	8743	95.6	0,84	160	7846	92.1	0,84	75	7437	87.8	0,81
	1010	**1NB1 502-6BR40-4CA0**	995	96.7	0,86	168	9693	2,30	67.5	2100	475	9182	95.9	0,87	170	8240	92.7	0,87	80	7810	88.9	0,83
	1050	**1NB1 504-6BR40-4AA0**	994	96.7	0,85	178	10087	2,40	59.6	2100	495	9560	95.7	0,85	175	8579	92.4	0,85	80	8131	88.6	0,83
	1120	**1NB1 504-6BR40-4CA0**	995	96.8	0,87	184	10749	2,10	76.1	2100	530	10187	96.0	0,87	185	9142	93.0	0,87	90	8665	89.6	0,85
	1200	**1NB1 506-6BR40-4AA0**	994	96.8	0,85	200	11528	2,60	67.3	2100	565	10928	96.0	0,85	200	9807	92.9	0,85	95	9295	89.2	0,82
	1260	**1NB1 506-6BR40-4CA0**	995	97.0	0,87	205	12093	2,30	85.5	2100	595	11452	96.3	0,87	210	10278	93.6	0,87	100	9741	90.4	0,84
	1700	**1NB1 562-6BR40-4CA0**	994	97.2	0,87	280	16332	2,30	120.2	2000	800	15465	96.6	0,88	285	13879	93.9	0,88	135	13154	91.0	0,85
	1760	**1NB1 564-6BR40-4CA0**	995	97.3	0,87	290	16891	2,40	136.6	2000	830	16001	96.8	0,88	295	14360	94.2	0,88	140	13611	91.4	0,86
	1900	**1NB1 566-6BR40-4CA0**	995	97.3	0,87	310	18235	2,60	151.8	2000	895	17266	96.9	0,88	320	15495	94.5	0,88	150	14686	91.8	0,85
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	560	**1NB1 452-8BR40-4AA0**	742	95.6	0,77	106	7207	1,70	28.1	2200	265	6831	93.8	0,78	90	6131	88.4	0,79	45	5811	82.6	0,78
	580	**1NB1 452-8BR40-4CA0**	742	95.7	0,81	104	7464	1,70	36.3	2200	270	7071	93.9	0,81	95	6346	88.7	0,82	45	6014	82.9	0,80
	610	**1NB1 454-8BR40-4AA0**	744	96.0	0,78	114	7829	2,20	31.9	2200	285	7420	94.6	0,78	100	6659	89.8	0,78	45	6312	84.0	0,73
	620	**1NB1 454-8BR40-4CA0**	744	96.0	0,80	112	7958	2,20	41.1	2200	290	7539	94.7	0,80	105	6766	90.0	0,79	50	6413	84.4	0,75
	660	**1NB1 456-8BR40-4AA0**	743	96.0	0,79	120	8483	2,00	37.0	2200	310	8032	94.6	0,79	110	7209	90.1	0,80	50	6832	84.8	0,76
	670	**1NB1 456-8BR40-4CA0**	745	96.1	0,80	120	8588	2,30	47.4	2200	315	8140	94.9	0,80	110	7305	90.5	0,79	50	6924	85.1	0,74
	700	**1NB1 502-8BR40-4CA0**	744	95.7	0,85	120	8985	2,00	67.0	2100	330	8517	94.4	0,85	115	7643	90.3	0,84	55	7244	85.6	0,83
	630	**1NB1 502-8BR40-4AA0**	744	95.7	0,80	114	8086	1,90	52.0	2100	295	7661	94.4	0,80	105	6876	90.4	0,80	50	6517	85.8	0,79
	770	**1NB1 504-8BR40-4AA0**	745	96.0	0,80	140	9870	2,10	58.8	2100	360	9353	94.9	0,80	130	8394	91.4	0,79	60	7956	87.0	0,76
	800	**1NB1 504-8BR40-4CA0**	745	96.0	0,84	138	10254	2,40	75.6	2100	375	9712	95.0	0,84	135	8716	91.6	0,82	60	8261	87.3	0,79
	810	**1NB1 506-8BR40-4CA0**	746	95.9	0,83	142	10369	2,90	85.1	2100	380	9818	95.1	0,83	135	8811	91.9	0,80	65	8351	87.5	0,75
	800	**1NB1 506-8BR40-4AA0**	746	96.1	0,80	144	10241	2,60	66.3	2100	375	9708	95.2	0,80	135	8713	92.0	0,78	65	8258	87.5	0,72
	1080	**1NB1 562-8BR40-4CA0**	745	96.7	0,84	184	13843	2,30	119.6	2000	510	13112	96.0	0,85	180	11767	92.8	0,85	85	11153	89.1	0,81
	1250	**1NB1 564-8BR40-4CA0**	746	96.8	0,84	215	16001	2,40	136.3	2000	590	15166	96.2	0,85	210	13610	93.0	0,84	100	12900	89.5	0,80
	1350	**1NB1 566-8BR40-4CA0**	746	96.9	0,84	230	17281	2,60	151.7	2000	635	16366	96.4	0,84	225	14687	93.3	0,83	105	13921	89.8	0,78

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 452-2BR40-4AA0	5000	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 452-2BR40-4CA0	5200	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 454-2BR40-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 454-2BR40-4CA0	5400	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 456-2BR40-4AA0	5500	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 456-2BR40-4CA0	5700	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 502-2BR40-4CA0	6900	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	3357	200
1NB1 502-2BR40-4AA0	6700	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	3357	200
1NB1 504-2BR40-4AA0	7000	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	3357	200
1NB1 504-2BR40-4CA0	7200	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	3357	200
1NB1 506-2BR40-4AA0	7400	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	3357	200
1NB1 506-2BR40-4CA0	7600	1000	629	737	1194	1302	525	693	1320	315	110	165	500	1440	1155	1567	1758	3357	200
1NB1 564-2BR40-4CA0	9300	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	3508	225
1NB1 566-2BR40-4CA0	9700	1120	684	737	1319	1372	525	693	1400	335	120	165	560	1565	1279	1691	1883	3508	225
4-pole																			
1NB1 452-4BR40-4AA0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 452-4BR40-4CA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-4BR40-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-4BR40-4CA0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-4BR40-4AA0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-4BR40-4CA0	5900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 502-4BR40-4CA0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-4BR40-4AA0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-4BR40-4AA0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-4BR40-4CA0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-4BR40-4AA0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-4BR40-4CA0	7700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 560-4BR40-4CA0	8900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 560-4BR40-4AA0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 562-4BR40-4CA0	9300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 562-4BR40-4AA0	9000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-4BR40-4AA0	9400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-4BR40-4CA0	9700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-4BR40-4AA0	9900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-4BR40-4CA0	10300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
6-pole																			

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 452-6BR40-4AA0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 452-6BR40-4CA0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-6BR40-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-6BR40-4CA0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-6BR40-4AA0	5600	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-6BR40-4CA0	5800	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 500-6BR40-4CA0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 500-6BR40-4AA0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-6BR40-4AA0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-6BR40-4CA0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-6BR40-4AA0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-6BR40-4CA0	7400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-6BR40-4AA0	7600	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-6BR40-4CA0	7900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 562-6BR40-4CA0	9600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-6BR40-4CA0	10200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-6BR40-4CA0	10700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
8-pole																			
1NB1 452-8BR40-4AA0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 452-8BR40-4CA0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-8BR40-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-8BR40-4CA0	5400	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-8BR40-4AA0	5600	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-8BR40-4CA0	5800	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 502-8BR40-4CA0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-8BR40-4AA0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-8BR40-4AA0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-8BR40-4CA0	7400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-8BR40-4CA0	7700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-8BR40-4AA0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 562-8BR40-4CA0	9400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-8BR40-4CA0	10100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-8BR40-4CA0	10600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NB1 452-4BR44-4AA0	5400	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 452-4BR44-4CA0	5600	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-4BR44-4AA0	5600	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-4BR44-4CA0	5700	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-4BR44-4AA0	5900	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-4BR44-4CA0	6100	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 502-4BR44-4CA0	7100	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-4BR44-4AA0	6900	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-4BR44-4AA0	7400	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-4BR44-4CA0	7600	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-4BR44-4AA0	7800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-4BR44-4CA0	8000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 560-4BR44-4CA0	9200	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 560-4BR44-4AA0	8900	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 562-4BR44-4CA0	9700	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 562-4BR44-4AA0	9400	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 564-4BR44-4AA0	9800	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 564-4BR44-4CA0	10100	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-4BR44-4AA0	10300	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-4BR44-4CA0	10600	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
6-pole														
1NB1 452-6BR44-4AA0	5300	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 452-6BR44-4CA0	5400	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-6BR44-4AA0	5500	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-6BR44-4CA0	5700	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-6BR44-4AA0	5900	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-6BR44-4CA0	6100	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 500-6BR44-4CA0	7000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 500-6BR44-4AA0	6800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-6BR44-4AA0	7000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-6BR44-4CA0	7300	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-6BR44-4AA0	7400	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-6BR44-4CA0	7700	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-6BR44-4AA0	7900	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-6BR44-4CA0	8100	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 562-6BR44-4CA0	9900	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NB1 564-6BR44-4CA0	10500	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-6BR44-4CA0	11100	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
8-pole													
1NB1 452-8BR44-4AA0	5200	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 452-8BR44-4CA0	5400	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-8BR44-4AA0	5500	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-8BR44-4CA0	5700	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-8BR44-4AA0	5800	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-8BR44-4CA0	6000	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 502-8BR44-4CA0	7300	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-8BR44-4AA0	7000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-8BR44-4AA0	7400	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-8BR44-4CA0	7600	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-8BR44-4CA0	8000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-8BR44-4AA0	7800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 562-8BR44-4CA0	9800	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 564-8BR44-4CA0	10400	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-8BR44-4CA0	11000	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16

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SIMOTICS HV C - 1NB1 IC416 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	1010	**1NB1 452-2BR30-4CA0**	3579	96.6	0,89	164	2695	2,10	-899999999	3600	475	2554	96.1	0,89	170	2292	93.6	0,88	80	2173	90.9	0,87
	1100	**1NB1 454-2BR30-4CA0**	3584	96.8	0,90	176	2931	2,50	18.6	3600	520	2776	96.5	0,89	185	2492	94.4	0,88	85	2362	92.0	0,86
	1250	**1NB1 456-2BR30-4CA0**	3585	97.0	0,90	198	3330	2,70	20.6	3600	590	3153	96.7	0,90	210	2830	94.7	0,88	100	2682	92.4	0,85
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	1170	**1NB1 452-4BR30-4AA0**	1792	96.8	0,85	198	6235	2,70	19.6	2400	550	5909	96.3	0,84	195	5303	93.5	0,82	90	5026	90.1	0,76
	1160	**1NB1 452-4BR30-4CA0**	1791	96.8	0,83	200	6185	2,30	25.2	2400	545	5857	96.3	0,83	195	5256	93.7	0,81	90	4982	90.7	0,77
	1150	**1NB1 454-4BR30-4AA0**	1793	96.8	0,84	196	6125	3,20	21.5	2400	545	5800	96.4	0,83	195	5205	93.9	0,80	90	4933	90.6	0,72
	1160	**1NB1 454-4BR30-4CA0**	1793	96.8	0,84	198	6178	2,70	27.6	2400	545	5854	96.5	0,83	195	5254	94.1	0,80	90	4979	91.3	0,75
	1200	**1NB1 456-4BR30-4AA0**	1794	96.8	0,84	205	6387	3,60	24.8	2400	565	6049	96.6	0,83	200	5429	94.1	0,80	95	5145	91.0	0,71
	1210	**1NB1 456-4BR30-4CA0**	1794	96.9	0,84	205	6441	3,00	31.7	2400	570	6101	96.6	0,83	205	5475	94.4	0,80	95	5189	91.8	0,74
	1420	**1NB1 502-4BR30-4CA0**	1792	96.7	0,85	240	7567	2,10	37.2	2200	670	7167	96.5	0,85	240	6432	94.4	0,84	110	6097	92.0	0,81
	1410	**1NB1 502-4BR30-4AA0**	1792	96.7	0,86	235	7514	2,60	28.4	2200	665	7122	96.4	0,86	235	6392	94.2	0,84	110	6058	91.5	0,80
	1400	**1NB1 504-4BR30-4AA0**	1793	96.7	0,88	230	7456	3,00	32.5	2200	660	7064	96.6	0,87	235	6340	94.5	0,85	110	6009	91.9	0,81
	1400	**1NB1 504-4BR30-4CA0**	1793	96.8	0,86	235	7456	2,40	42.4	2200	660	7064	96.6	0,86	235	6340	94.7	0,85	110	6009	92.5	0,82
	1570	**1NB1 506-4BR30-4AA0**	1793	96.8	0,88	255	8362	3,30	37.0	2200	740	7916	96.7	0,87	265	7104	94.5	0,85	125	6733	92.0	0,79
	1600	**1NB1 506-4BR30-4CA0**	1794	96.9	0,87	265	8517	2,60	48.0	2200	755	8068	96.8	0,86	270	7241	94.8	0,85	125	6863	92.7	0,80
	1820	**1NB1 560-4BR30-4CA0**	1792	97.1	0,84	310	9699	1,90	64.6	2000	860	9187	96.9	0,85	305	8245	94.9	0,83	145	7814	92.8	0,82
	1850	**1NB1 560-4BR30-4AA0**	1793	97.0	0,85	310	9853	2,10	48.3	2000	875	9334	96.9	0,86	310	8376	94.9	0,84	145	7939	92.7	0,82
	1955	**1NB1 562-4BR30-4CA0**	1793	97.3	0,86	325	10412	2,20	72.4	2000	920	9839	97.1	0,86	330	8830	95.2	0,85	155	8369	93.2	0,82
	1950	**1NB1 562-4BR30-4AA0**	1794	97.2	0,87	320	10380	2,60	54.4	2000	920	9836	97.0	0,87	330	8827	95.2	0,85	155	8367	93.0	0,81
	2100	**1NB1 564-4BR30-4AA0**	1794	97.3	0,88	340	11178	2,80	59.8	2000	990	10588	97.1	0,87	355	9502	95.2	0,85	165	9006	93.1	0,81
	2105	**1NB1 564-4BR30-4CA0**	1794	97.4	0,87	345	11205	2,40	79.3	2000	990	10592	97.2	0,86	355	9506	95.3	0,85	165	9010	93.4	0,82
	2310	**1NB1 566-4BR30-4AA0**	1795	97.4	0,88	375	12289	2,90	66.6	2000	1090	11642	97.2	0,88	390	10448	95.2	0,85	185	9902	93.0	0,80
	2325	**1NB1 566-4BR30-4CA0**	1794	97.5	0,88	375	12376	2,50	88.0	2000	1095	11696	97.2	0,87	390	10497	95.3	0,85	185	9949	93.3	0,82
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	810	**1NB1 452-6BR30-4AA0**	1192	96.2	0,79	148	6489	1,80	28.0	2200	380	6147	95.4	0,80	135	5517	92.1	0,80	65	5229	88.4	0,77
	830	**1NB1 452-6BR30-4CA0**	1192	96.4	0,83	144	6649	2,00	36.2	2200	390	6298	95.4	0,83	140	5652	92.2	0,83	65	5357	88.6	0,80
	810	**1NB1 454-6BR30-4AA0**	1194	96.4	0,81	144	6478	2,20	31.8	2200	380	6137	95.7	0,81	135	5508	92.9	0,80	65	5220	89.3	0,75
	860	**1NB1 454-6BR30-4CA0**	1193	96.5	0,84	148	6884	2,30	41.0	2200	405	6521	95.8	0,83	145	5852	92.8	0,83	65	5547	89.4	0,79
	900	**1NB1 456-6BR30-4AA0**	1194	96.5	0,81	160	7198	2,40	36.8	2200	425	6815	96.0	0,81	150	6116	93.3	0,80	70	5797	90.0	0,74
	1000	**1NB1 456-6BR30-4CA0**	1194	96.6	0,84	172	7998	2,40	47.3	2200	470	7579	96.0	0,84	165	6802	93.2	0,83	80	6447	89.9	0,79
	1150	**1NB1 500-6BR30-4CA0**	1194	96.8	0,86	192	9197	1,90	59.8	2100	540	8715	95.9	0,86	190	7821	93.0	0,87	90	7413	89.7	0,86
	1100	**1NB1 500-6BR30-4AA0**	1192	96.6	0,83	190	8812	2,00	46.4	2100	520	8347	95.7	0,84	185	7491	92.3	0,84	85	7100	88.7	0,83

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SIMOTICS HV C - 1NB1 IC416 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1170	**1NB1 502-6BR30-4AA0**	1193	96.7	0,83	200	9365	2,20	52.7	2100	550	8876	96.0	0,84	195	7966	92.9	0,84	90	7550	89.5	0,82
	1250	**1NB1 502-6BR30-4CA0**	1194	96.9	0,86	210	9997	2,00	67.5	2100	590	9466	96.2	0,86	210	8495	93.5	0,87	100	8052	90.4	0,85
	1270	**1NB1 504-6BR30-4AA0**	1193	96.9	0,85	215	10166	2,40	59.6	2100	600	9627	96.2	0,85	210	8640	93.2	0,85	100	8189	90.0	0,82
	1350	**1NB1 504-6BR30-4CA0**	1195	97.0	0,87	220	10788	2,10	76.1	2100	635	10224	96.4	0,87	225	9175	93.8	0,87	105	8697	91.0	0,85
	1350	**1NB1 506-6BR30-4AA0**	1194	96.9	0,85	225	10797	2,70	67.3	2100	635	10224	96.3	0,85	225	9175	93.5	0,85	105	8697	90.2	0,81
	1400	**1NB1 506-6BR30-4CA0**	1196	97.1	0,87	230	11178	2,50	85.5	2100	660	10589	96.5	0,87	235	9503	94.1	0,87	110	9007	91.2	0,83
	1850	**1NB1 562-6BR30-4CA0**	1194	97.2	0,87	305	14796	2,30	120.2	2000	870	14008	96.8	0,88	310	12572	94.5	0,89	145	11915	91.9	0,86
	2100	**1NB1 564-6BR30-4CA0**	1194	97.3	0,88	340	16795	2,30	136.6	2000	990	15902	96.9	0,88	350	14271	94.6	0,89	165	13526	92.2	0,87
	2210	**1NB1 566-6BR30-4CA0**	1195	97.4	0,88	360	17660	2,40	151.8	2000	1040	16728	97.1	0,88	370	15013	94.8	0,89	175	14229	92.5	0,86
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	680	**1NB1 452-8BR30-4AA0**	892	95.9	0,78	126	7280	1,80	28.1	2200	320	6900	94.4	0,78	115	6192	90.0	0,79	50	5869	84.8	0,77
	700	**1NB1 452-8BR30-4CA0**	893	95.9	0,81	126	7485	1,80	36.3	2200	330	7095	94.6	0,81	115	6367	90.1	0,81	55	6035	85.0	0,79
	750	**1NB1 454-8BR30-4AA0**	893	96.1	0,78	138	8020	1,90	31.9	2200	355	7600	94.9	0,78	125	6820	90.9	0,79	60	6464	86.2	0,76
	750	**1NB1 454-8BR30-4CA0**	893	96.2	0,81	134	8020	2,00	41.1	2200	355	7598	95.1	0,81	125	6819	91.2	0,81	60	6463	86.6	0,77
	800	**1NB1 456-8BR30-4AA0**	894	96.3	0,79	146	8545	2,10	37.0	2200	375	8098	95.2	0,79	135	7267	91.4	0,79	60	6888	86.9	0,74
	800	**1NB1 456-8BR30-4CA0**	894	96.3	0,81	142	8545	2,20	47.4	2200	375	8094	95.3	0,81	135	7264	91.6	0,80	60	6885	87.2	0,75
	830	**1NB1 502-8BR30-4CA0**	894	95.9	0,85	142	8866	2,00	67.0	2100	390	8404	94.8	0,85	140	7542	91.3	0,84	65	7149	87.3	0,82
	800	**1NB1 502-8BR30-4AA0**	893	95.9	0,80	144	8555	1,70	52.0	2100	375	8102	94.7	0,80	135	7271	91.0	0,80	60	6892	86.9	0,79
	850	**1NB1 504-8BR30-4CA0**	896	96.0	0,84	146	9059	2,60	75.6	2100	400	8584	95.2	0,84	140	7704	92.3	0,82	65	7302	88.5	0,78
	850	**1NB1 504-8BR30-4AA0**	896	96.1	0,80	154	9059	2,50	58.8	2100	400	8589	95.3	0,80	140	7708	92.4	0,77	65	7306	88.4	0,72
	910	**1NB1 506-8BR30-4AA0**	895	96.1	0,81	162	9709	2,30	66.3	2100	430	9193	95.3	0,81	150	8250	92.4	0,79	70	7819	88.6	0,75
	910	**1NB1 506-8BR30-4CA0**	896	96.0	0,84	156	9699	2,70	85.1	2100	430	9186	95.4	0,84	150	8244	92.6	0,81	70	7814	88.9	0,77
	1200	**1NB1 562-8BR30-4CA0**	895	96.7	0,85	205	12804	2,10	119.6	2000	565	12132	96.2	0,85	200	10888	93.5	0,85	95	10319	90.4	0,82
	1400	**1NB1 564-8BR30-4CA0**	895	96.8	0,85	235	14937	2,10	136.3	2000	660	14154	96.3	0,85	235	12703	93.4	0,86	110	12039	90.4	0,83
	1500	**1NB1 566-8BR30-4CA0**	896	96.9	0,85	255	15987	2,40	151.7	2000	705	15146	96.5	0,85	250	13593	93.9	0,84	120	12883	91.0	0,80

Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NB1 452-2BR30-4CA0	5100	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 454-2BR30-4CA0	5400	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
1NB1 456-2BR30-4CA0	5600	900	557	737	1072	1252	525	693	1250	280	95	130	450	1329	1044	1456	1647	3041	180
4-pole																			
1NB1 452-4BR30-4AA0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 452-4BR30-4CA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-4BR30-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-4BR30-4CA0	5500	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-4BR30-4AA0	5700	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-4BR30-4CA0	5900	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 502-4BR30-4CA0	6900	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-4BR30-4AA0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-4BR30-4AA0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-4BR30-4CA0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-4BR30-4AA0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-4BR30-4CA0	7700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 560-4BR30-4CA0	8900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 560-4BR30-4AA0	8600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 562-4BR30-4CA0	9300	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 562-4BR30-4AA0	9000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-4BR30-4AA0	9400	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-4BR30-4CA0	9700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-4BR30-4AA0	9900	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-4BR30-4CA0	10200	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
6-pole																			
1NB1 452-6BR30-4AA0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 452-6BR30-4CA0	5200	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-6BR30-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-6BR30-4CA0	5400	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-6BR30-4AA0	5600	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-6BR30-4CA0	5800	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 500-6BR30-4CA0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 500-6BR30-4AA0	6500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-6BR30-4AA0	6800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-6BR30-4CA0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-6BR30-4AA0	7200	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NB1 504-6BR30-4CA0	7400	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-6BR30-4AA0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-6BR30-4CA0	7800	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 562-6BR30-4CA0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-6BR30-4CA0	10100	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-6BR30-4CA0	10700	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
8-pole																			
1NB1 452-8BR30-4AA0	5000	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 452-8BR30-4CA0	5100	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-8BR30-4AA0	5300	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 454-8BR30-4CA0	5400	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-8BR30-4AA0	5600	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 456-8BR30-4CA0	5800	900	557	737	1072	1252	525	693	1250	280	120	165	450	1329	1044	1456	1647	3076	180
1NB1 502-8BR30-4CA0	7000	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 502-8BR30-4AA0	6700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-8BR30-4CA0	7300	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 504-8BR30-4AA0	7100	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-8BR30-4AA0	7500	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 506-8BR30-4CA0	7700	1000	629	737	1194	1302	525	693	1320	315	140	200	500	1440	1155	1567	1758	3392	200
1NB1 562-8BR30-4CA0	9500	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 564-8BR30-4CA0	10000	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225
1NB1 566-8BR30-4CA0	10600	1120	684	737	1319	1372	525	693	1400	335	160	240	560	1565	1279	1691	1883	3583	225

Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NB1 452-4BR34-4AA0	5400	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 452-4BR34-4CA0	5500	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-4BR34-4AA0	5600	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-4BR34-4CA0	5700	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-4BR34-4AA0	6000	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-4BR34-4CA0	6100	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 502-4BR34-4CA0	7200	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-4BR34-4AA0	7000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-4BR34-4AA0	7300	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-4BR34-4CA0	7600	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-4BR34-4AA0	7800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-4BR34-4CA0	8000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 560-4BR34-4CA0	9200	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 560-4BR34-4AA0	8900	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 562-4BR34-4CA0	9700	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 562-4BR34-4AA0	9400	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 564-4BR34-4AA0	9700	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 564-4BR34-4CA0	10100	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-4BR34-4AA0	10200	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-4BR34-4CA0	10600	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
6-pole														
1NB1 452-6BR34-4AA0	5300	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 452-6BR34-4CA0	5400	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-6BR34-4AA0	5500	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-6BR34-4CA0	5700	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-6BR34-4AA0	5900	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-6BR34-4CA0	6100	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 500-6BR34-4CA0	7000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 500-6BR34-4AA0	6800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-6BR34-4AA0	7100	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-6BR34-4CA0	7300	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-6BR34-4AA0	7500	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-6BR34-4CA0	7700	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-6BR34-4AA0	7800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-6BR34-4CA0	8100	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 562-6BR34-4CA0	9800	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NB1 IC416 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NB1 564-6BR34-4CA0	10500	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-6BR34-4CA0	11100	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
8-pole													
1NB1 452-8BR34-4AA0	5200	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 452-8BR34-4CA0	5400	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-8BR34-4AA0	5500	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 454-8BR34-4CA0	5700	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-8BR34-4AA0	5800	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 456-8BR34-4CA0	6000	1132	525	120	1454	1581	3076	3284	1080	1000	1150	28	8
1NB1 502-8BR34-4CA0	7200	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 502-8BR34-4AA0	7000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-8BR34-4CA0	7600	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 504-8BR34-4AA0	7400	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-8BR34-4AA0	7800	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 506-8BR34-4CA0	8000	1254	525	140	1565	1692	3392	3600	1180	1120	1250	28	16
1NB1 562-8BR34-4CA0	9800	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 564-8BR34-4CA0	10400	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16
1NB1 566-8BR34-4CA0	11000	1384	525	160	1705	1831	3583	3791	1320	1250	1400	28	16

SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
560	490	**1NC1 402-2AC00-4AG0**	2982	96.3	0,94	520	1793	4,10	9.0	3600	225	1438	95.9	0,92	70	1131	93.9	0,89	30	1012	90.7	0,88
560	490	**1NC1 402-2AC00-4CG0**	2982	96.2	0,94	520	1793	4,00	11.0	3600	225	1438	95.7	0,92	70	1131	93.6	0,88	30	1012	90.4	0,87
630	560	**1NC1 404-2AC00-4AG0**	2984	96.6	0,94	580	2016	4,60	10.0	3600	250	1619	96.1	0,91	80	1273	94.3	0,88	35	1139	91.5	0,87
630	560	**1NC1 404-2AC00-4CG0**	2984	96.4	0,94	580	2016	4,50	12.0	3600	250	1618	95.9	0,91	80	1272	94.1	0,87	35	1139	91.3	0,86
710	630	**1NC1 406-2AC00-4AG0**	2985	96.8	0,93	660	2271	4,70	11.0	3600	285	1823	96.3	0,91	90	1433	94.8	0,87	40	1283	92.2	0,85
710	630	**1NC1 406-2AC00-4CG0**	2986	96.7	0,93	660	2271	4,60	13.0	3600	285	1822	96.2	0,90	90	1433	94.6	0,86	40	1283	92.1	0,85
710	630	**1NC1 452-2AC00-4AG0**	2987	96.9	0,93	660	2270	3,20	11.0	3600	285	1821	96.7	0,91	90	1431	95.3	0,89	40	1282	92.8	0,88
710	630	**1NC1 452-2AC00-4CG0**	2987	96.8	0,93	660	2270	3,10	15.0	3600	285	1821	96.6	0,91	90	1431	95.2	0,89	40	1282	92.8	0,88
800	710	**1NC1 454-2AC00-4AG0**	2987	97.0	0,94	730	2558	3,50	12.0	3600	320	2052	96.7	0,92	100	1613	95.2	0,90	45	1444	92.7	0,89
800	710	**1NC1 454-2AC00-4CG0**	2987	96.9	0,94	730	2558	3,40	17.0	3600	320	2051	96.6	0,92	100	1612	95.1	0,90	45	1444	92.6	0,89
900	790	**1NC1 456-2AC00-4AG0**	2989	97.2	0,94	820	2875	4,20	14.0	3600	360	2308	96.9	0,92	115	1815	95.6	0,89	50	1625	93.5	0,88
900	790	**1NC1 456-2AC00-4CG0**	2989	97.1	0,94	830	2875	4,10	19.0	3600	360	2308	96.7	0,92	115	1814	95.5	0,89	50	1624	93.5	0,88
1050	930	**1NC1 502-2AC00-4CG0**	2987	96.5	0,90	1020	3357	3,10	25.0	3000	420	2693	96.1	0,89	130	2117	94.7	0,87	60	1896	92.4	0,86
1050	930	**1NC1 502-2AC00-4AG0**	2986	96.6	0,89	1020	3358	3,10	19.0	3000	420	2693	96.3	0,89	130	2117	94.8	0,87	60	1896	92.4	0,86
1200	1060	**1NC1 504-2AC00-4CG0**	2989	96.8	0,90	1160	3834	3,70	28.0	3000	480	3075	96.3	0,89	150	2417	95.0	0,86	65	2164	93.1	0,85
1200	1060	**1NC1 504-2AC00-4AG0**	2989	96.9	0,90	1160	3834	3,70	21.0	3000	480	3075	96.5	0,89	150	2417	95.2	0,86	65	2164	93.2	0,85
1300	1150	**1NC1 506-2AC00-4CG0**	2989	96.8	0,91	1240	4153	3,60	31.0	3000	520	3331	96.3	0,90	165	2619	95.0	0,88	70	2345	93.0	0,87
1300	1150	**1NC1 506-2AC00-4AG0**	2988	97.0	0,91	1240	4155	3,80	24.0	3000	520	3331	96.5	0,90	165	2619	95.1	0,88	70	2345	93.1	0,87
1400	1230	**1NC1 564-2AC00-4CG0**	2993	96.9	0,90	1340	4467	3,90	46.0	3000	560	3582	96.4	0,88	175	2816	95.4	0,85	80	2522	93.9	0,84
1600	1410	**1NC1 566-2AC00-4CG0**	2992	97.0	0,92	1500	5107	3,70	51.0	3000	640	4096	96.5	0,90	200	3219	95.3	0,88	90	2883	93.8	0,87
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
630	560	**1NC1 404-4AC00-4AG0**	1492	96.4	0,90	610	4032	3,50	14.0	2600	250	3236	95.1	0,88	80	2544	93.0	0,85	35	2278	89.9	0,83
630	560	**1NC1 404-4AC00-4CG0**	1490	96.4	0,89	610	4038	3,10	19.0	2600	250	3239	95.3	0,87	80	2546	93.1	0,85	35	2280	89.8	0,83
710	630	**1NC1 406-4AC00-4AG0**	1491	96.4	0,91	680	4547	3,50	16.0	2600	285	3647	95.2	0,88	90	2866	93.1	0,85	40	2567	90.1	0,84
710	630	**1NC1 406-4AC00-4CG0**	1490	96.5	0,90	680	4550	3,10	21.0	2600	285	3650	95.4	0,88	90	2869	93.3	0,85	40	2569	90.1	0,84
800	710	**1NC1 452-4AC00-4AG0**	1493	96.7	0,89	780	5117	3,50	22.0	2400	320	4106	95.8	0,86	100	3228	93.9	0,82	45	2890	91.2	0,80
800	710	**1NC1 452-4AC00-4CG0**	1492	96.6	0,88	790	5120	3,20	29.0	2400	320	4106	95.9	0,85	100	3228	94.0	0,81	45	2890	91.2	0,80
900	790	**1NC1 454-4AC00-4AG0**	1493	96.8	0,89	870	5756	3,70	25.0	2400	360	4618	95.8	0,86	110	3630	94.0	0,82	50	3251	91.5	0,80
900	790	**1NC1 454-4AC00-4CG0**	1493	96.7	0,88	880	5756	3,30	32.0	2400	360	4618	95.9	0,85	110	3630	94.1	0,81	50	3251	91.5	0,80
1000	880	**1NC1 456-4AC00-4CG0**	1493	96.9	0,89	970	6396	3,50	37.0	2400	400	5129	96.0	0,86	125	4032	94.3	0,81	55	3610	91.9	0,80
1000	880	**1NC1 456-4AC00-4AG0**	1493	96.9	0,90	960	6396	3,90	29.0	2400	400	5130	95.9	0,86	125	4032	94.2	0,82	55	3611	91.8	0,81
1050	930	**1NC1 502-4AC00-4CG0**	1493	96.2	0,87	1040	6716	2,80	35.0	2200	420	5390	95.6	0,85	130	4237	93.5	0,81	60	3794	90.3	0,80
1050	930	**1NC1 502-4AC00-4AG0**	1493	96.1	0,87	1060	6716	3,50	26.0	2200	420	5390	95.3	0,84	130	4237	93.0	0,80	60	3794	89.7	0,78
1200	1060	**1NC1 504-4AC00-4CG0**	1493	96.5	0,86	1200	7675	2,70	40.0	2200	480	6159	95.8	0,85	150	4842	94.0	0,81	65	4336	91.2	0,80

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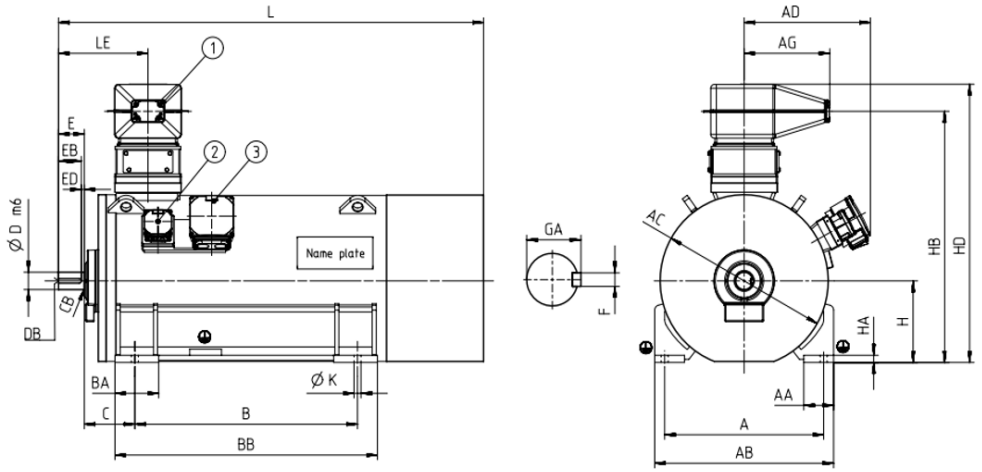
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1200	1060	**1NC1 504-4AC00-4AG0**	1493	96.4	0,87	1200	7675	3,50	30.0	2200	480	6159	95.5	0,84	150	4842	93.5	0,80	65	4336	90.7	0,79
1300	1150	**1NC1 506-4AC00-4CG0**	1493	96.5	0,88	1280	8315	2,80	45.0	2200	520	6671	95.7	0,86	165	5244	93.9	0,83	70	4696	91.1	0,82
1300	1150	**1NC1 506-4AC00-4AG0**	1493	96.5	0,89	1260	8315	3,60	35.0	2200	520	6673	95.5	0,86	160	5245	93.5	0,83	70	4697	90.7	0,81
1400	1230	**1NC1 562-4AC00-4CG0**	1493	96.4	0,88	1380	8954	2,70	68.0	2000	560	7186	96.0	0,86	175	5649	94.2	0,83	80	5059	91.5	0,83
1400	1230	**1NC1 562-4AC00-4AG0**	1494	96.4	0,88	1380	8948	3,10	50.0	2000	560	7184	95.9	0,87	175	5647	94.2	0,83	80	5057	91.4	0,82
1600	1410	**1NC1 564-4AC00-4AG0**	1494	96.7	0,89	1560	10227	3,20	55.0	2000	640	8206	96.1	0,86	200	6451	94.6	0,83	90	5776	92.4	0,81
1600	1410	**1NC1 564-4AC00-4CG0**	1494	96.8	0,88	1580	10227	2,80	75.0	2000	640	8209	96.2	0,86	200	6453	94.7	0,83	90	5778	92.5	0,82
1800	1590	**1NC1 566-4AC00-4AG0**	1493	96.8	0,90	1720	11513	3,00	62.0	2000	720	9239	96.2	0,88	225	7263	94.6	0,85	100	6503	92.2	0,85
1800	1590	**1NC1 566-4AC00-4CG0**	1493	96.9	0,89	1740	11513	2,60	83.0	2000	720	9240	96.2	0,88	225	7263	94.6	0,85	100	6504	92.2	0,85
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
500	440	**1NC1 404-6AC00-4AG0**	995	96.1	0,88	495	4799	3,40	25.0	2400	200	3850	94.3	0,86	60	3027	91.5	0,83	30	2710	87.8	0,82
500	440	**1NC1 404-6AC00-4CG0**	994	96.2	0,87	500	4803	2,90	32.0	2400	200	3856	94.8	0,86	60	3031	92.0	0,83	30	2714	88.1	0,82
560	490	**1NC1 406-6AC00-4AG0**	995	96.2	0,89	550	5374	3,40	28.0	2400	225	4313	94.5	0,87	70	3390	91.8	0,83	30	3036	88.2	0,82
560	490	**1NC1 406-6AC00-4CG0**	994	96.3	0,88	550	5380	2,90	37.0	2400	225	4318	95.0	0,86	70	3394	92.3	0,84	30	3039	88.6	0,83
630	560	**1NC1 452-6AC00-4AG0**	995	96.3	0,84	650	6046	3,60	33.0	2200	250	4852	94.6	0,79	80	3814	91.9	0,75	35	3415	88.3	0,73
630	560	**1NC1 452-6AC00-4CG0**	994	96.5	0,84	650	6052	3,10	42.0	2200	250	4856	95.0	0,81	80	3818	92.5	0,77	35	3418	88.9	0,76
710	630	**1NC1 454-6AC00-4AG0**	995	96.4	0,84	730	6814	3,70	38.0	2200	285	5466	94.7	0,79	90	4297	92.2	0,75	40	3847	88.7	0,73
710	630	**1NC1 454-6AC00-4CG0**	995	96.6	0,84	730	6814	3,30	47.0	2200	285	5470	95.2	0,81	90	4300	92.8	0,77	40	3850	89.4	0,76
800	710	**1NC1 456-6AC00-4AG0**	996	96.4	0,83	840	7670	4,40	44.0	2200	320	6159	94.5	0,76	100	4841	91.9	0,71	45	4335	88.5	0,68
800	710	**1NC1 456-6AC00-4CG0**	995	96.6	0,84	820	7678	3,80	55.0	2200	320	6155	95.1	0,78	100	4839	92.8	0,74	45	4333	89.6	0,72
900	790	**1NC1 500-6AC00-4CG0**	994	96.3	0,86	910	8646	2,10	57.0	2100	360	6941	95.5	0,86	110	5456	93.1	0,84	50	4886	89.7	0,83
900	790	**1NC1 500-6AC00-4AG0**	992	96.1	0,84	930	8664	2,20	44.0	2100	360	6952	95.0	0,83	110	5464	92.3	0,82	50	4893	88.4	0,82
1000	880	**1NC1 502-6AC00-4AG0**	993	96.4	0,83	1040	9617	2,50	50.0	2100	400	7719	95.3	0,82	125	6068	92.9	0,80	55	5433	89.5	0,79
1000	880	**1NC1 502-6AC00-4CG0**	995	96.6	0,86	1000	9597	2,40	65.0	2100	400	7701	95.8	0,84	125	6054	93.7	0,82	55	5421	90.7	0,81
1120	990	**1NC1 504-6AC00-4CG0**	995	96.6	0,87	1120	10749	2,20	74.0	2100	450	8630	95.8	0,86	140	6784	93.6	0,84	60	6074	90.4	0,83
1120	990	**1NC1 504-6AC00-4AG0**	993	96.4	0,85	1140	10771	2,30	57.0	2100	450	8649	95.3	0,85	140	6799	92.8	0,83	60	6088	89.2	0,82
1250	1100	**1NC1 506-6AC00-4CG0**	995	96.7	0,87	1240	11997	2,40	83.0	2100	500	9624	95.7	0,85	155	7565	93.7	0,83	70	6774	90.9	0,82
1250	1100	**1NC1 506-6AC00-4AG0**	993	96.5	0,86	1260	12021	2,60	65.0	2100	500	9642	95.3	0,84	155	7580	92.9	0,82	70	6787	89.7	0,81
1300	1150	**1NC1 562-6AC00-4CG0**	995	96.9	0,87	1300	12476	2,80	116.0	2000	520	10006	96.0	0,86	160	7865	94.0	0,84	70	7043	91.1	0,82
1500	1320	**1NC1 564-6AC00-4CG0**	996	97.0	0,87	1480	14381	3,10	132.0	2000	600	11538	96.0	0,85	190	9070	94.0	0,82	85	8121	91.5	0,80
1700	1500	**1NC1 566-6AC00-4CG0**	997	97.1	0,85	1720	16283	3,70	147.0	2000	680	13075	95.8	0,81	215	10278	94.0	0,77	95	9203	91.8	0,75
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						
375	330	**1NC1 404-8AC00-4AG0**	745	95.7	0,83	395	4807	3,40	26.0	2400	150	3858	93.1	0,78	45	3033	89.1	0,73	20	2716	84.0	0,72
375	330	**1NC1 404-8AC00-4CG0**	744	95.7	0,81	405	4813	2,90	32.0	2400	150	3865	93.4	0,78	45	3039	89.4	0,73	20	2721	83.9	0,72
420	370	**1NC1 406-8AC00-4AG0**	744	95.8	0,84	435	5391	3,20	29.0	2400	170	4323	93.3	0,80	50	3398	89.5	0,75	25	3043	84.4	0,74

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SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - VSD const torque

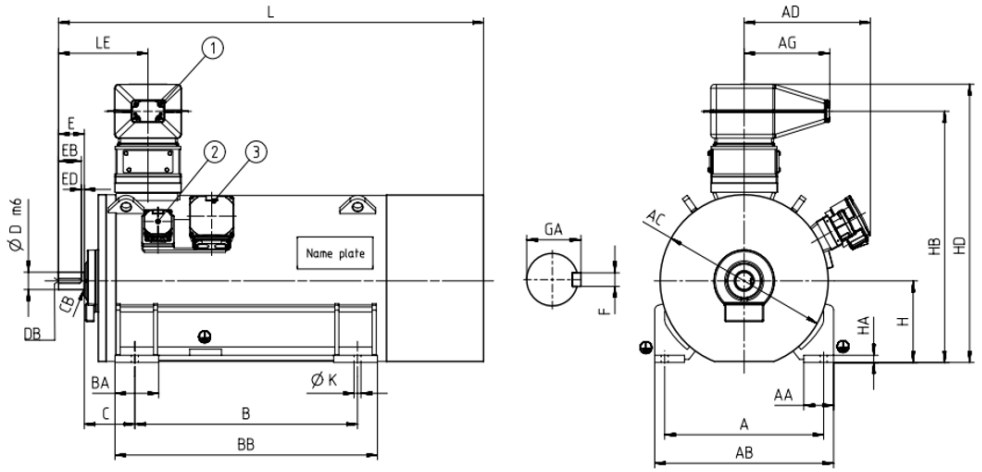
Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
420	370	**1NC1 406-8AC00-4CG0**	743	95.7	0,82	450	5398	2,80	36.0	2400	170	4331	93.5	0,79	50	3405	89.5	0,75	25	3049	84.2	0,74
530	470	**1NC1 452-8AC00-4AG0**	744	95.7	0,78	590	6803	2,70	33.0	2200	210	5459	93.6	0,75	65	4292	89.8	0,71	30	3843	84.6	0,70
530	470	**1NC1 452-8AC00-4CG0**	743	95.7	0,78	590	6812	2,70	41.0	2200	210	5472	93.7	0,75	65	4302	89.9	0,73	30	3852	84.5	0,72
600	530	**1NC1 454-8AC00-4AG0**	745	95.8	0,79	660	7691	2,80	38.0	2200	240	6177	93.6	0,75	75	4856	89.9	0,71	35	4348	84.9	0,70
600	530	**1NC1 454-8AC00-4CG0**	743	95.8	0,79	660	7711	2,90	47.0	2200	240	6189	93.8	0,76	75	4865	90.1	0,73	35	4356	84.9	0,72
670	590	**1NC1 456-8AC00-4AG0**	745	95.9	0,79	740	8588	3,10	45.0	2200	270	6891	93.5	0,74	85	5417	89.9	0,70	35	4850	84.9	0,69
670	590	**1NC1 456-8AC00-4CG0**	744	95.9	0,79	740	8600	3,20	55.0	2200	270	6900	93.8	0,75	85	5424	90.2	0,72	35	4857	85.1	0,70
710	630	**1NC1 502-8AC00-4CG0**	745	95.7	0,85	730	9101	2,30	65.0	2100	285	7308	94.6	0,82	90	5744	91.8	0,79	40	5144	87.6	0,77
710	630	**1NC1 502-8AC00-4AG0**	744	95.8	0,80	780	9113	1,90	50.0	2100	285	7317	94.6	0,79	90	5752	91.7	0,76	40	5151	87.1	0,76
800	710	**1NC1 504-8AC00-4AG0**	744	96.0	0,80	870	10268	2,20	56.0	2100	320	8234	94.7	0,78	100	6472	92.0	0,75	45	5796	87.9	0,74
800	710	**1NC1 504-8AC00-4CG0**	745	95.9	0,84	830	10254	2,50	73.0	2100	320	8226	94.6	0,81	100	6466	92.0	0,77	45	5790	88.2	0,75
900	790	**1NC1 506-8AC00-4AG0**	745	96.0	0,81	970	11536	2,30	64.0	2100	360	9263	94.6	0,78	110	7282	91.9	0,74	50	6520	88.0	0,73
900	790	**1NC1 506-8AC00-4CG0**	746	95.9	0,84	930	11521	2,70	83.0	2100	360	9249	94.5	0,80	110	7270	91.8	0,76	50	6510	88.2	0,74
1120	990	**1NC1 562-8AC00-4CG0**	745	96.6	0,84	1160	14356	2,20	115.0	2000	450	11522	95.4	0,83	140	9057	92.9	0,80	60	8110	89.4	0,79
1250	1100	**1NC1 564-8AC00-4CG0**	745	96.6	0,84	1280	16022	2,40	132.0	2000	500	12850	95.5	0,82	155	10101	92.9	0,80	70	9045	89.4	0,78
1400	1230	**1NC1 566-8AC00-4CG0**	745	96.7	0,85	1420	17945	2,20	147.0	2000	560	14401	95.6	0,84	175	11320	93.1	0,82	75	10137	89.7	0,80

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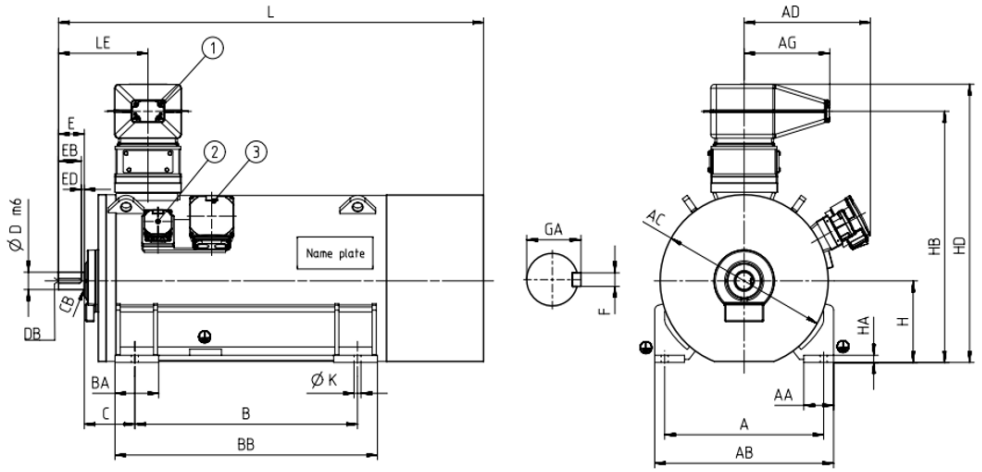
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 402-2AC00-4AG0	3405	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 402-2AC00-4CG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC00-4AG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC00-4CG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC00-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC00-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 452-2AC00-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 452-2AC00-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AC00-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AC00-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AC00-4AG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AC00-4CG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 502-2AC00-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 502-2AC00-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AC00-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AC00-4AG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AC00-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AC00-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 564-2AC00-4CG0	7895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
1NC1 566-2AC00-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.

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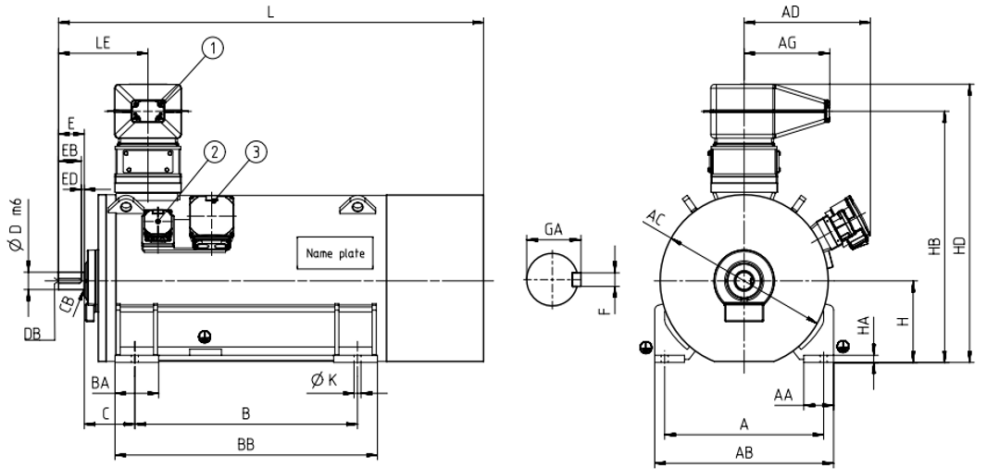
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
4-pole																			
1NC1 404-4AC00-4AG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-4AC00-4CG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC00-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC00-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-4AC00-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AC00-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC00-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC00-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC00-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC00-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AC00-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AC00-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC00-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC00-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC00-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC00-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-4AC00-4CG0	7995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AC00-4AG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC00-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC00-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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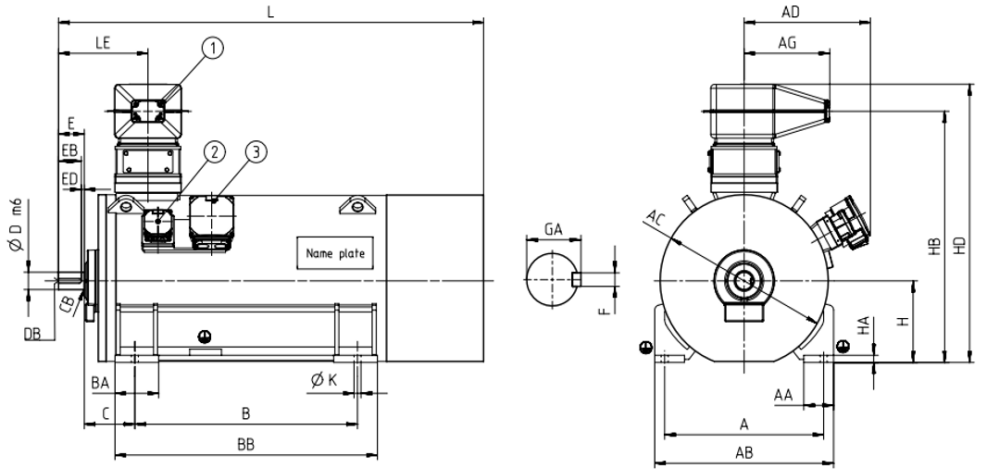
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 566-4AC00-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AC00-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 404-6AC00-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-6AC00-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC00-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC00-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-6AC00-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AC00-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC00-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC00-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AC00-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AC00-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AC00-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AC00-4AG0	5575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC00-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC00-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC00-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC00-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC00-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC00-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.

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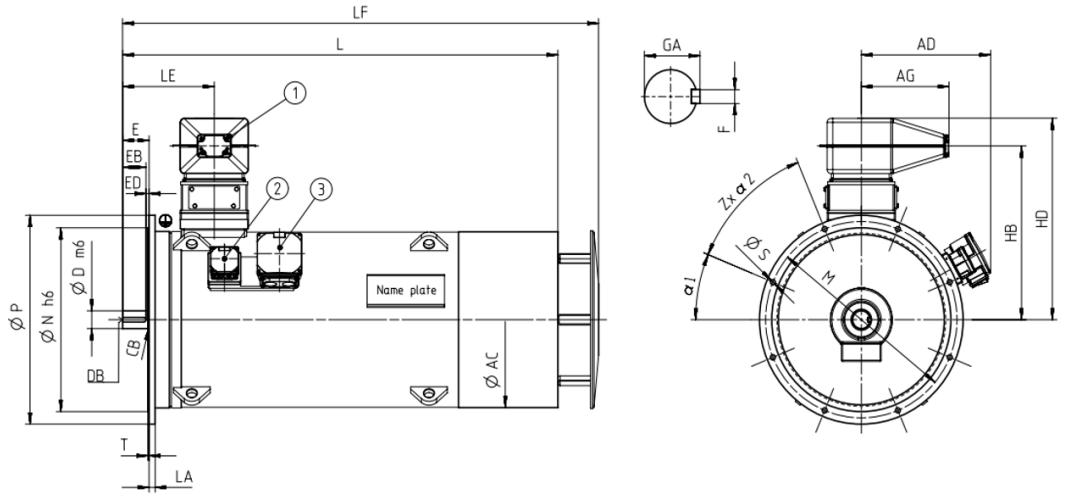
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 562-6AC00-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AC00-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AC00-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 404-8AC00-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-8AC00-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC00-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC00-4CG0	4105	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-8AC00-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AC00-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AC00-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AC00-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC00-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC00-4CG0	5225	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AC00-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AC00-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC00-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC00-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC00-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC00-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AC00-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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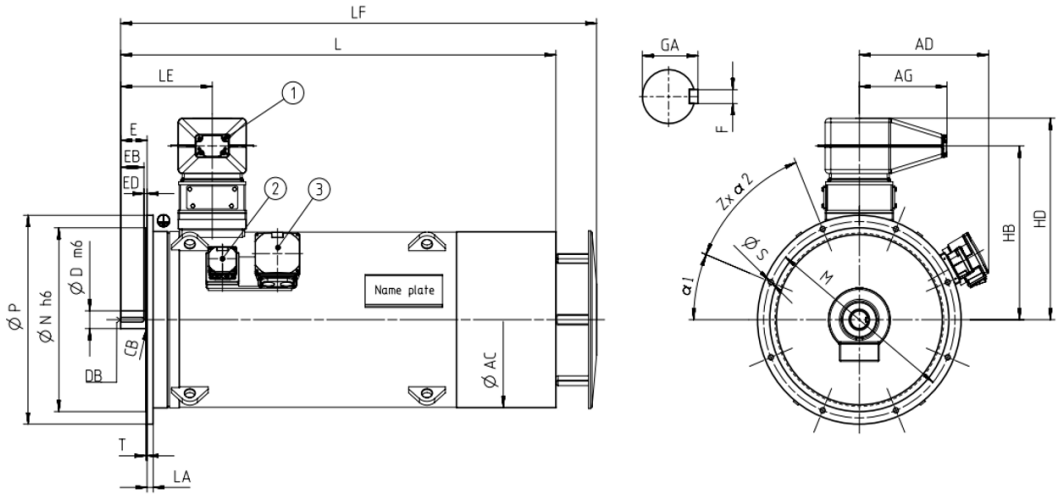
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 564-8AC00-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AC00-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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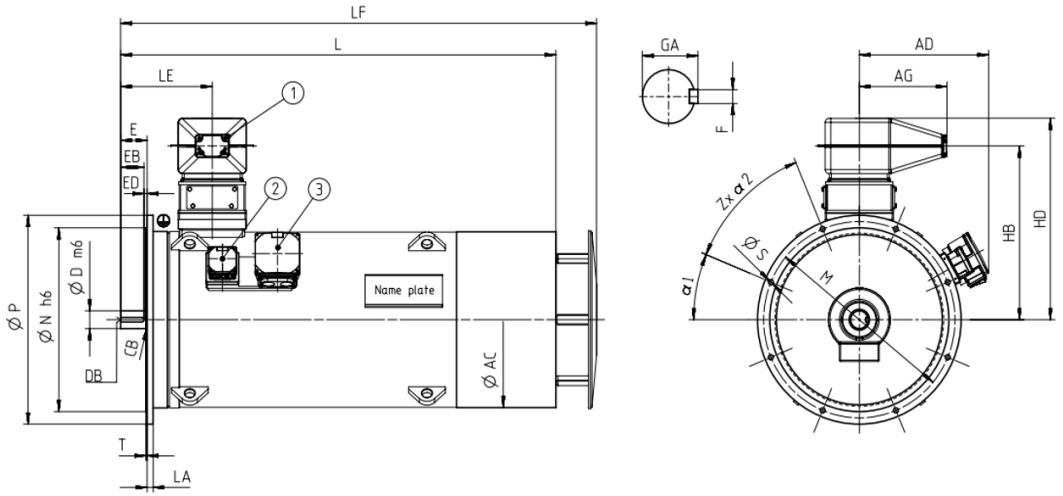
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NC1 402-2AC04-4AG0	4000	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 402-2AC04-4CG0	4000	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AC04-4AG0	4100	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 404-2AC04-4CG0	4200	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AC04-4AG0	4300	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
1NC1 406-2AC04-4CG0	4400	o.r.	431	85	832	965	2138	o.r.	940	880	1000	o.r.	8
4-pole													
1NC1 404-4AC04-4AG0	4200	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AC04-4CG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC04-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC04-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-4AC04-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AC04-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC04-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC04-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC04-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC04-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AC04-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AC04-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AC04-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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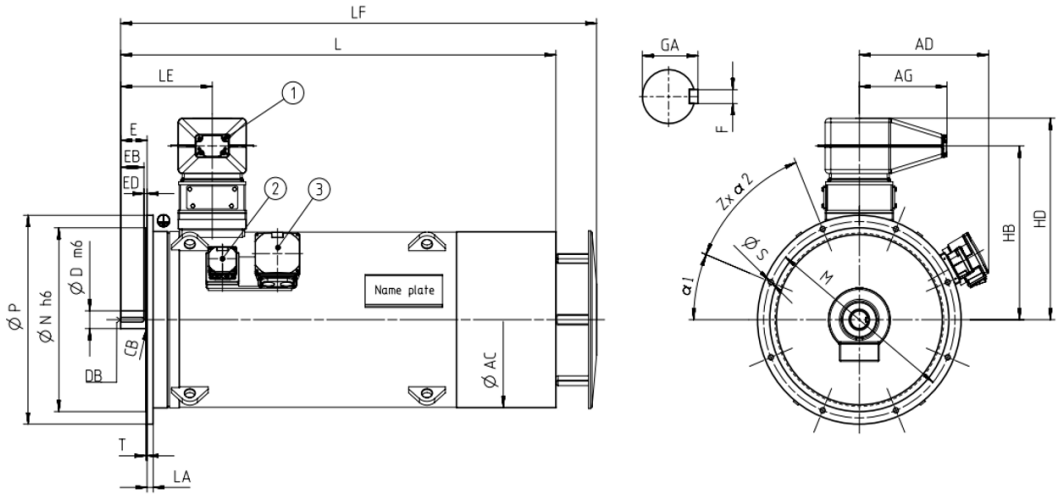
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 504-4AC04-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC04-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC04-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-4AC04-4CG0	9300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AC04-4AG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC04-4AG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC04-4CG0	9800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AC04-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AC04-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
6-pole													
1NC1 404-6AC04-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-6AC04-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC04-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC04-4CG0	4800	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-6AC04-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AC04-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC04-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC04-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC04-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC04-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AC04-4CG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 500-6AC04-4AG0	6600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC04-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC04-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC04-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC04-4AG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC04-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC04-4AG0	7700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AC04-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AC04-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AC04-4CG0	10900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole														
1NC1 404-8AC04-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-8AC04-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC04-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC04-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-8AC04-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AC04-4CG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC04-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC04-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC04-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC04-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 50 Hz V1 (IM 3011) - Dimension drawings														
1NC1 502-8AC04-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AC04-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC04-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC04-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC04-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC04-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AC04-4CG0	9700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AC04-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AC04-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
630	560	**1NC1 402-2AC10-4AG0**	3584	96.2	0,93	590	1679	4,40	9.0	3600	250	1347	96.0	0,91	80	1059	94.5	0,87	35	948	92.0	0,85
630	560	**1NC1 402-2AC10-4CG0**	3584	96.1	0,93	590	1679	4,30	11.0	3600	250	1347	95.7	0,90	80	1059	94.2	0,86	35	948	91.7	0,85
710	630	**1NC1 404-2AC10-4AG0**	3584	96.4	0,93	660	1892	4,60	10.0	3600	285	1518	96.2	0,91	90	1193	94.9	0,87	40	1068	92.7	0,85
710	630	**1NC1 404-2AC10-4CG0**	3585	96.3	0,93	660	1891	4,50	12.0	3600	285	1518	96.0	0,90	90	1193	94.6	0,86	40	1068	92.5	0,85
800	710	**1NC1 406-2AC10-4AG0**	3585	96.5	0,94	740	2131	4,90	11.0	3600	320	1710	96.2	0,91	100	1344	94.8	0,87	45	1204	92.6	0,86
800	710	**1NC1 406-2AC10-4CG0**	3585	96.4	0,94	740	2131	4,80	13.0	3600	320	1709	95.9	0,91	100	1344	94.5	0,87	45	1203	92.3	0,86
800	700	**1NC1 452-2AC10-4CG0**	3585	96.5	0,94	740	2131	3,00	16.0	3600	320	1709	96.4	0,92	100	1343	95.2	0,90	45	1203	92.9	0,89
900	790	**1NC1 454-2AC10-4CG0**	3589	96.7	0,93	840	2395	3,90	18.0	3600	360	1922	96.6	0,91	115	1511	95.6	0,88	50	1353	93.8	0,86
1000	880	**1NC1 456-2AC10-4CG0**	3587	96.8	0,94	920	2662	3,30	20.0	3600	400	2135	96.6	0,93	125	1678	95.5	0,91	55	1503	93.5	0,90
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
710	630	**1NC1 404-4AC10-4AG0**	1791	96.3	0,90	690	3786	3,30	14.0	2600	285	3036	95.1	0,88	90	2387	93.3	0,86	40	2137	90.7	0,84
710	630	**1NC1 404-4AC10-4CG0**	1790	96.3	0,89	690	3788	2,90	19.0	2600	285	3040	95.4	0,88	90	2389	93.5	0,85	40	2140	90.6	0,84
800	710	**1NC1 406-4AC10-4AG0**	1792	96.4	0,90	770	4263	3,50	16.0	2600	320	3420	95.1	0,88	100	2688	93.3	0,84	45	2407	90.8	0,83
800	710	**1NC1 406-4AC10-4CG0**	1791	96.4	0,89	780	4265	3,10	21.0	2600	320	3422	95.4	0,87	100	2690	93.6	0,84	45	2409	90.8	0,83
900	790	**1NC1 452-4AC10-4AG0**	1793	96.6	0,89	880	4793	3,50	22.0	2400	360	3845	95.7	0,86	115	3023	94.2	0,82	50	2707	92.1	0,81
900	790	**1NC1 452-4AC10-4CG0**	1792	96.5	0,88	890	4796	3,20	29.0	2400	360	3846	95.8	0,86	115	3023	94.3	0,82	50	2707	92.0	0,80
1000	880	**1NC1 454-4AC10-4AG0**	1794	96.7	0,89	970	5323	4,20	25.0	2400	400	4274	95.5	0,84	125	3359	94.0	0,79	55	3008	92.1	0,77
1000	880	**1NC1 454-4AC10-4CG0**	1794	96.6	0,88	980	5323	3,80	32.0	2400	400	4274	95.7	0,84	125	3359	94.2	0,79	55	3008	92.1	0,77
1120	990	**1NC1 456-4AC10-4AG0**	1794	96.9	0,89	1080	5962	4,30	29.0	2400	450	4786	95.7	0,86	140	3762	94.4	0,81	60	3369	92.6	0,79
1120	990	**1NC1 456-4AC10-4CG0**	1794	96.8	0,89	1080	5962	3,80	37.0	2400	450	4786	95.9	0,85	140	3762	94.5	0,80	60	3369	92.6	0,78
1200	1060	**1NC1 502-4AC10-4CG0**	1792	96.1	0,86	1220	6395	2,50	35.0	2200	480	5129	95.6	0,85	150	4032	94.0	0,81	65	3610	91.5	0,80
1200	1060	**1NC1 502-4AC10-4AG0**	1792	96.0	0,87	1200	6395	3,10	26.0	2200	480	5131	95.4	0,85	150	4033	93.7	0,81	65	3611	91.1	0,79
1300	1150	**1NC1 504-4AC10-4CG0**	1792	96.2	0,88	1280	6928	2,60	40.0	2200	520	5559	95.6	0,86	165	4370	94.0	0,83	70	3913	91.5	0,82
1300	1150	**1NC1 504-4AC10-4AG0**	1792	96.1	0,89	1280	6928	3,20	30.0	2200	520	5558	95.3	0,87	165	4369	93.6	0,83	70	3912	91.2	0,82
1500	1320	**1NC1 506-4AC10-4AG0**	1793	96.4	0,88	1480	7989	3,70	35.0	2200	600	6408	95.4	0,85	190	5037	93.8	0,81	85	4511	91.7	0,79
1500	1320	**1NC1 506-4AC10-4CG0**	1794	96.5	0,87	1500	7984	2,90	45.0	2200	600	6407	95.7	0,85	190	5036	94.3	0,81	85	4510	92.2	0,80
1600	1410	**1NC1 562-4AC10-4CG0**	1793	96.2	0,88	1580	8521	2,60	68.0	2000	640	6837	95.9	0,86	200	5374	94.7	0,83	90	4812	92.9	0,82
1600	1410	**1NC1 562-4AC10-4AG0**	1794	96.1	0,88	1580	8517	3,00	50.0	2000	640	6837	95.8	0,87	200	5374	94.6	0,83	90	4812	92.8	0,82
1800	1590	**1NC1 564-4AC10-4AG0**	1794	96.2	0,88	1780	9581	3,20	55.0	2000	720	7687	95.9	0,86	225	6042	94.6	0,82	100	5411	92.7	0,81
1800	1590	**1NC1 564-4AC10-4CG0**	1794	96.4	0,88	1780	9581	2,80	75.0	2000	720	7688	96.0	0,86	225	6044	94.8	0,82	100	5412	92.8	0,81
2000	1760	**1NC1 566-4AC10-4AG0**	1793	96.4	0,89	1960	10652	3,00	62.0	2000	800	8540	96.1	0,88	250	6713	94.8	0,85	110	6011	92.6	0,84
2000	1760	**1NC1 566-4AC10-4CG0**	1793	96.5	0,89	1940	10652	2,60	83.0	2000	800	8546	96.1	0,88	250	6718	94.8	0,85	110	6016	92.7	0,84
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
560	490	**1NC1 404-6AC10-4AG0**	1195	96.2	0,88	550	4475	3,50	25.0	2400	225	3590	94.2	0,86	70	2822	91.7	0,82	30	2527	88.6	0,81

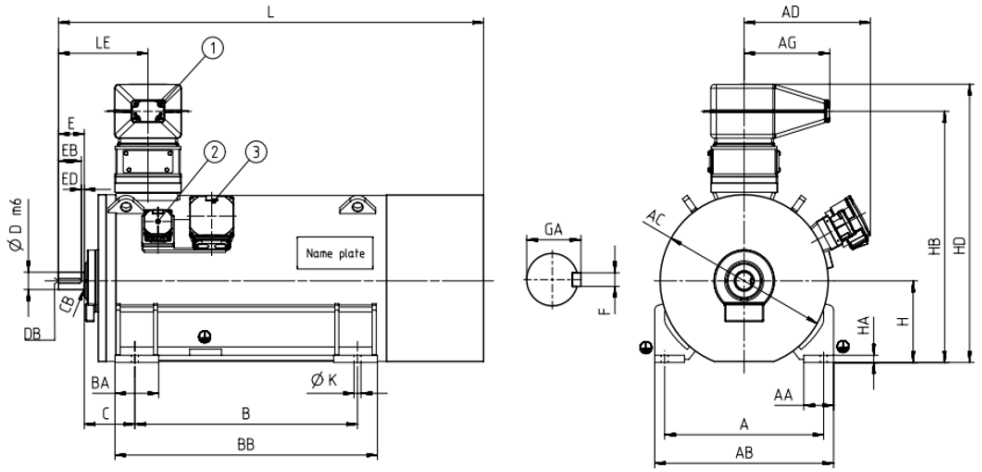
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SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque																						
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
560	490	**1NC1 404-6AC10-4CG0**	1194	96.3	0,88	550	4479	3,00	32.0	2400	225	3593	94.8	0,86	70	2824	92.4	0,83	30	2529	89.2	0,82
630	560	**1NC1 406-6AC10-4AG0**	1195	96.3	0,88	620	5034	3,70	28.0	2400	250	4036	94.0	0,85	80	3173	91.6	0,81	35	2841	88.9	0,79
630	560	**1NC1 406-6AC10-4CG0**	1195	96.4	0,88	620	5034	3,30	37.0	2400	250	4039	94.8	0,85	80	3175	92.6	0,82	35	2843	89.7	0,80
710	630	**1NC1 452-6AC10-4AG0**	1195	96.4	0,84	730	5674	3,40	33.0	2200	285	4553	94.7	0,81	90	3579	92.6	0,77	40	3205	89.6	0,75
710	630	**1NC1 452-6AC10-4CG0**	1194	96.6	0,84	730	5678	3,00	42.0	2200	285	4557	95.2	0,82	90	3582	93.1	0,78	40	3207	90.1	0,77
800	710	**1NC1 454-6AC10-4AG0**	1196	96.3	0,83	840	6387	4,10	38.0	2200	320	5125	94.4	0,77	100	4029	92.1	0,72	45	3608	89.3	0,70
800	710	**1NC1 454-6AC10-4CG0**	1195	96.6	0,84	820	6393	3,60	47.0	2200	320	5127	95.0	0,79	100	4031	93.0	0,74	45	3609	90.3	0,72
900	790	**1NC1 456-6AC10-4AG0**	1196	96.5	0,83	940	7186	4,20	44.0	2200	360	5765	94.6	0,78	115	4532	92.6	0,73	50	4058	90.0	0,70
900	790	**1NC1 456-6AC10-4CG0**	1195	96.8	0,84	930	7192	3,70	55.0	2200	360	5767	95.2	0,80	115	4534	93.4	0,75	50	4060	90.9	0,73
1000	880	**1NC1 500-6AC10-4CG0**	1195	96.4	0,86	1000	7991	2,30	57.0	2100	400	6413	95.7	0,84	125	5041	93.9	0,82	55	4514	91.2	0,80
1000	880	**1NC1 500-6AC10-4AG0**	1193	96.3	0,83	1040	8004	2,40	44.0	2100	400	6421	95.3	0,82	125	5047	93.1	0,80	55	4520	90.2	0,79
1120	990	**1NC1 502-6AC10-4CG0**	1195	96.6	0,86	1120	8950	2,40	65.0	2100	450	7181	95.8	0,84	140	5645	94.0	0,82	60	5055	91.6	0,80
1120	990	**1NC1 502-6AC10-4AG0**	1193	96.4	0,84	1160	8965	2,50	50.0	2100	450	7193	95.3	0,82	140	5654	93.2	0,80	60	5063	90.5	0,79
1250	1100	**1NC1 504-6AC10-4CG0**	1196	96.7	0,85	1280	9980	2,80	74.0	2100	500	8007	95.7	0,82	155	6294	94.0	0,79	70	5636	91.8	0,77
1250	1100	**1NC1 504-6AC10-4AG0**	1194	96.5	0,84	1300	9997	2,90	57.0	2100	500	8020	95.2	0,81	155	6304	93.2	0,77	70	5645	90.7	0,76
1400	1230	**1NC1 506-6AC10-4CG0**	1195	96.7	0,87	1400	11187	2,60	83.0	2100	560	8970	95.7	0,85	175	7051	94.0	0,82	80	6314	91.6	0,80
1400	1230	**1NC1 506-6AC10-4AG0**	1194	96.6	0,85	1420	11197	2,80	65.0	2100	560	8985	95.3	0,83	175	7063	93.2	0,81	75	6324	90.6	0,79
1400	1230	**1NC1 562-6AC10-4CG0**	1196	96.7	0,86	1400	11178	3,40	116.0	2000	560	8972	95.5	0,83	175	7053	93.7	0,79	80	6315	91.5	0,77
1600	1410	**1NC1 564-6AC10-4CG0**	1197	96.9	0,85	1620	12764	3,80	132.0	2000	640	10246	95.3	0,81	200	8054	93.7	0,77	90	7212	91.8	0,74
1800	1590	**1NC1 566-6AC10-4CG0**	1196	97.0	0,87	1780	14372	3,30	147.0	2000	720	11525	95.6	0,84	225	9060	93.9	0,81	100	8112	92.0	0,79
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						
420	370	**1NC1 404-8AC10-4AG0**	895	95.9	0,81	450	4481	3,80	26.0	2400	170	3594	92.8	0,75	50	2825	89.4	0,69	25	2530	85.3	0,68
420	370	**1NC1 404-8AC10-4CG0**	894	95.9	0,80	460	4486	3,20	32.0	2400	170	3598	93.4	0,76	50	2829	90.0	0,70	25	2533	85.7	0,69
470	410	**1NC1 406-8AC10-4AG0**	895	96.0	0,82	500	5015	3,80	29.0	2400	190	4021	93.0	0,77	60	3161	89.8	0,71	25	2830	85.9	0,69
470	410	**1NC1 406-8AC10-4CG0**	895	96.0	0,81	510	5015	3,20	36.0	2400	190	4026	93.5	0,77	60	3165	90.3	0,71	25	2834	86.2	0,70
600	530	**1NC1 452-8AC10-4AG0**	894	95.8	0,79	660	6409	2,60	33.0	2200	240	5144	93.7	0,76	75	4043	90.5	0,73	35	3620	86.2	0,72
600	530	**1NC1 452-8AC10-4CG0**	892	95.8	0,78	670	6423	2,60	41.0	2200	240	5155	93.9	0,77	75	4052	90.6	0,74	35	3628	85.9	0,73
670	590	**1NC1 454-8AC10-4AG0**	894	96.0	0,80	730	7157	2,60	38.0	2200	270	5742	93.9	0,77	85	4514	90.8	0,74	35	4042	86.6	0,72
670	590	**1NC1 454-8AC10-4CG0**	893	96.0	0,79	740	7165	2,70	47.0	2200	270	5753	94.0	0,77	85	4522	90.8	0,74	35	4049	86.4	0,73
750	660	**1NC1 456-8AC10-4CG0**	895	96.2	0,77	850	8002	3,50	55.0	2200	300	6422	94.0	0,72	95	5048	91.1	0,67	40	4520	87.3	0,65
750	660	**1NC1 456-8AC10-4AG0**	896	96.0	0,76	860	7993	3,50	45.0	2200	300	6414	93.5	0,70	95	5042	90.5	0,65	40	4515	86.7	0,63
800	710	**1NC1 502-8AC10-4CG0**	895	95.7	0,84	830	8536	2,40	65.0	2100	320	6851	94.6	0,82	100	5385	92.3	0,78	45	4822	88.9	0,76
800	710	**1NC1 502-8AC10-4AG0**	894	95.9	0,80	870	8545	2,00	50.0	2100	320	6857	94.8	0,79	100	5390	92.4	0,76	45	4827	88.7	0,75
900	790	**1NC1 504-8AC10-4AG0**	894	96.0	0,81	970	9613	2,10	56.0	2100	360	7709	94.7	0,79	110	6060	92.3	0,75	50	5426	88.9	0,74
900	790	**1NC1 504-8AC10-4CG0**	895	95.8	0,84	940	9603	2,50	73.0	2100	360	7703	94.5	0,81	110	6055	92.1	0,77	50	5422	89.0	0,76

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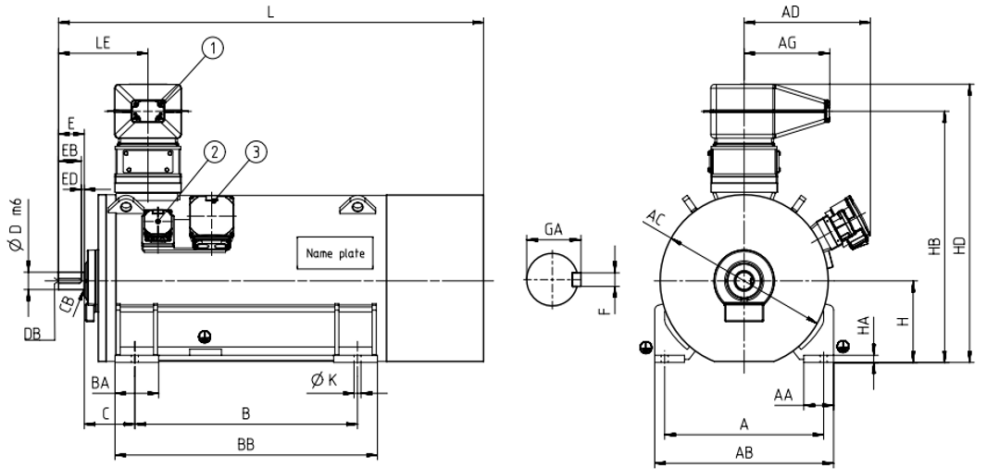
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - VSD const torque

Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1000	880	**1NC1 506-8AC10-4AG0**	894	96.0	0,82	1060	10682	2,10	64.0	2100	400	8566	94.7	0,80	125	6733	92.3	0,76	55	6029	88.9	0,75
1000	880	**1NC1 506-8AC10-4CG0**	895	95.9	0,85	1020	10670	2,50	83.0	2100	400	8559	94.5	0,82	125	6728	92.2	0,78	55	6025	89.0	0,77
1200	1060	**1NC1 562-8AC10-4CG0**	895	96.5	0,84	1240	12804	2,40	115.0	2000	480	10271	95.4	0,82	150	8074	93.0	0,80	65	7230	90.0	0,78
1300	1150	**1NC1 564-8AC10-4CG0**	895	96.6	0,84	1340	13870	2,40	132.0	2000	520	11122	95.3	0,83	160	8743	93.0	0,80	70	7829	90.2	0,78
1500	1320	**1NC1 566-8AC10-4CG0**	896	96.7	0,85	1520	15987	2,50	147.0	2000	600	12831	95.2	0,82	185	10086	93.0	0,79	85	9032	90.3	0,78



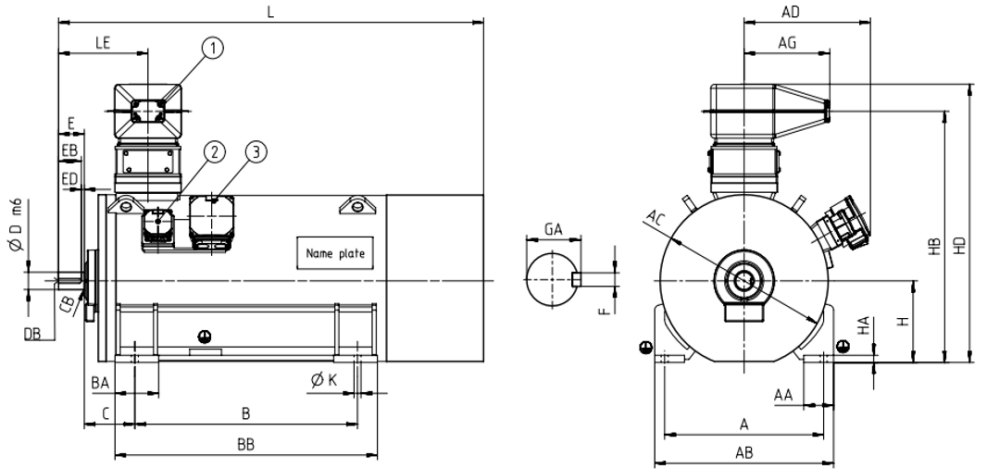
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 402-2AC10-4AG0	3405	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 402-2AC10-4CG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC10-4AG0	3505	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 404-2AC10-4CG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 406-2AC10-4CG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	85	130	400	1232	o.r.	1365	o.r.	2138	o.r.
1NC1 452-2AC10-4CG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AC10-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AC10-4CG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
4-pole																			
1NC1 404-4AC10-4AG0	3605	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-4AC10-4CG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC10-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-4AC10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-4AC10-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AC10-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AC10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AC10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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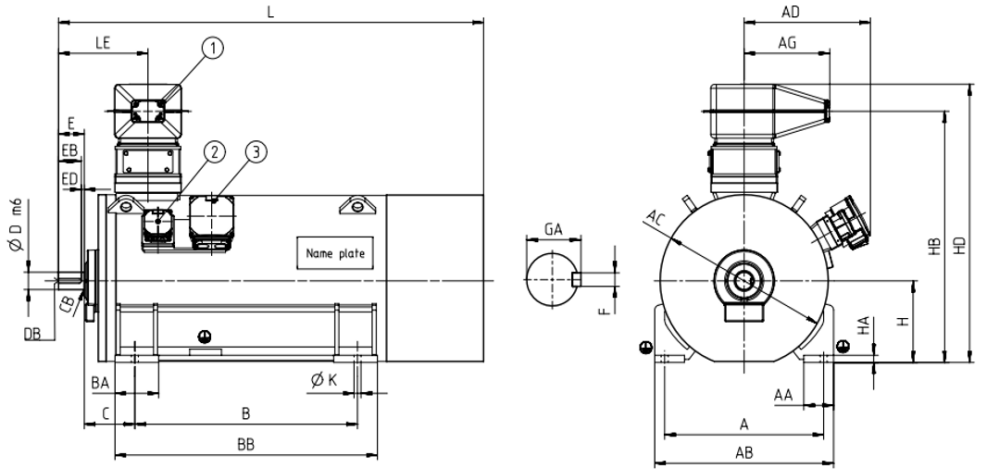
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 502-4AC10-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AC10-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC10-4CG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AC10-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC10-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AC10-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-4AC10-4CG0	8095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AC10-4AG0	7795	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC10-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AC10-4CG0	8495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AC10-4AG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AC10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 404-6AC10-4AG0	3805	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-6AC10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC10-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-6AC10-4CG0	4205	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-6AC10-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AC10-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AC10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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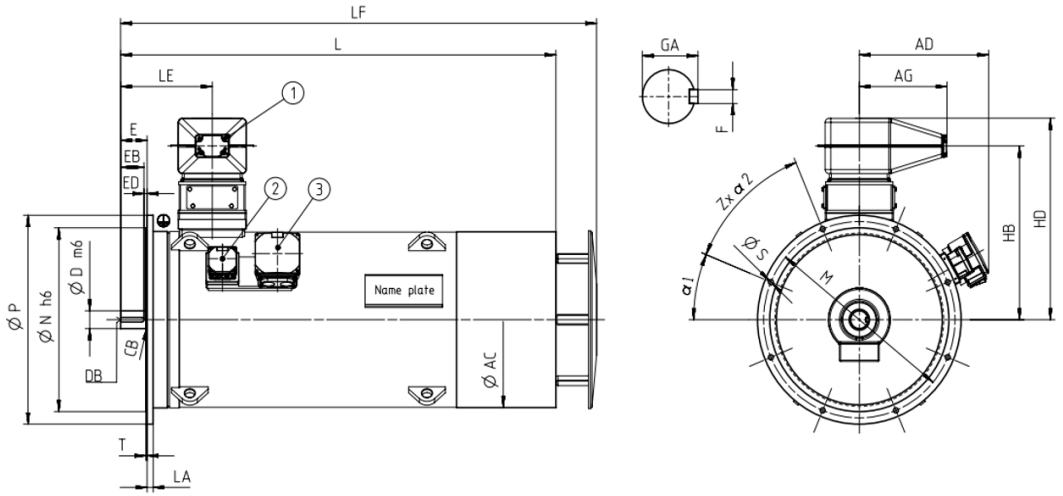
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-6AC10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AC10-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AC10-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AC10-4AG0	5575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC10-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AC10-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC10-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AC10-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC10-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AC10-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AC10-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AC10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AC10-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 404-8AC10-4AG0	3705	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 404-8AC10-4CG0	3905	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC10-4AG0	4005	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 406-8AC10-4CG0	4105	800	635	o.r.	o.r.	o.r.	431	o.r.	1120	254	120	165	400	1232	o.r.	1365	o.r.	2239	o.r.
1NC1 452-8AC10-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AC10-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AC10-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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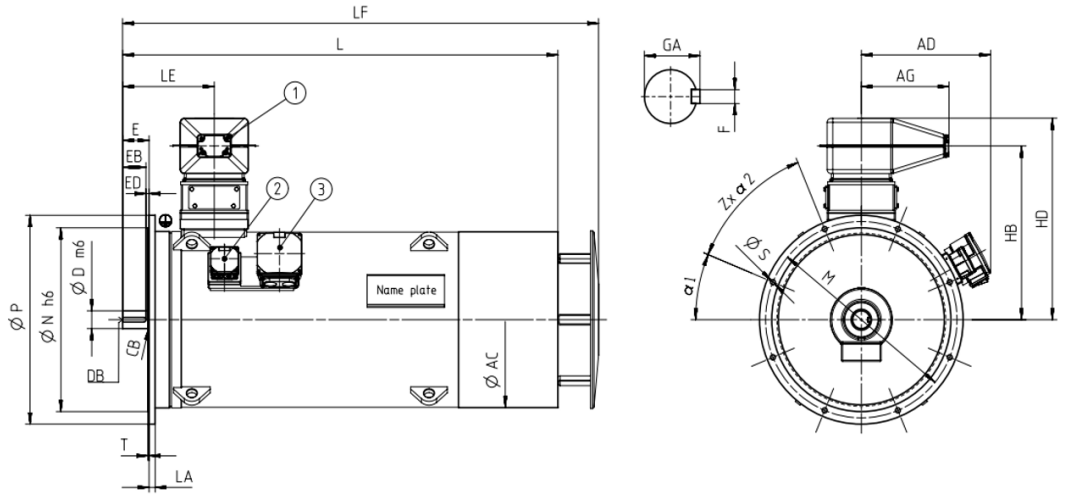
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 454-8AC10-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC10-4CG0	5225	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AC10-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AC10-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AC10-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC10-4AG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AC10-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC10-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AC10-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AC10-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AC10-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AC10-4CG0	9595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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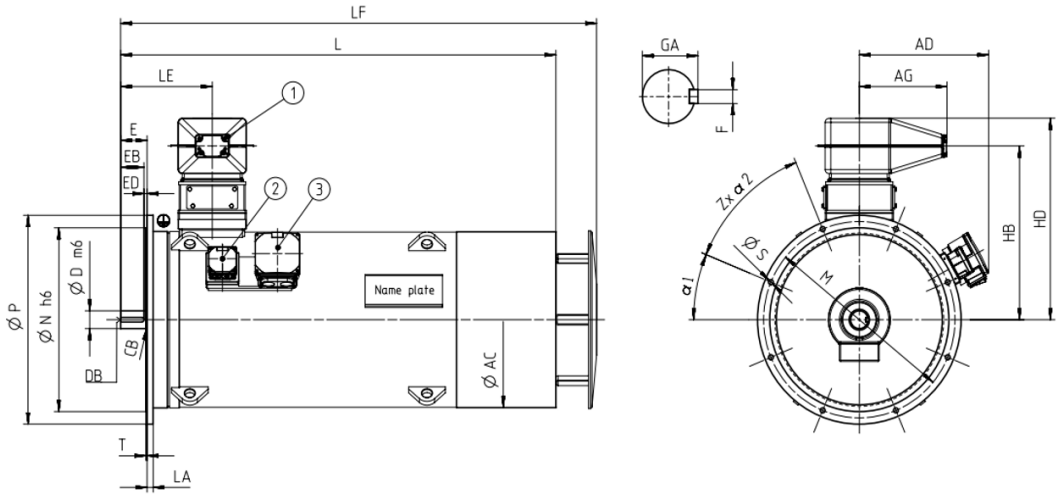
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NC1 404-4AC14-4AG0	4200	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-4AC14-4CG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC14-4AG0	4400	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-4AC14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-4AC14-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AC14-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC14-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AC14-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AC14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AC14-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AC14-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AC14-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AC14-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC14-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AC14-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-4AC14-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AC14-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC14-4AG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AC14-4CG0	9700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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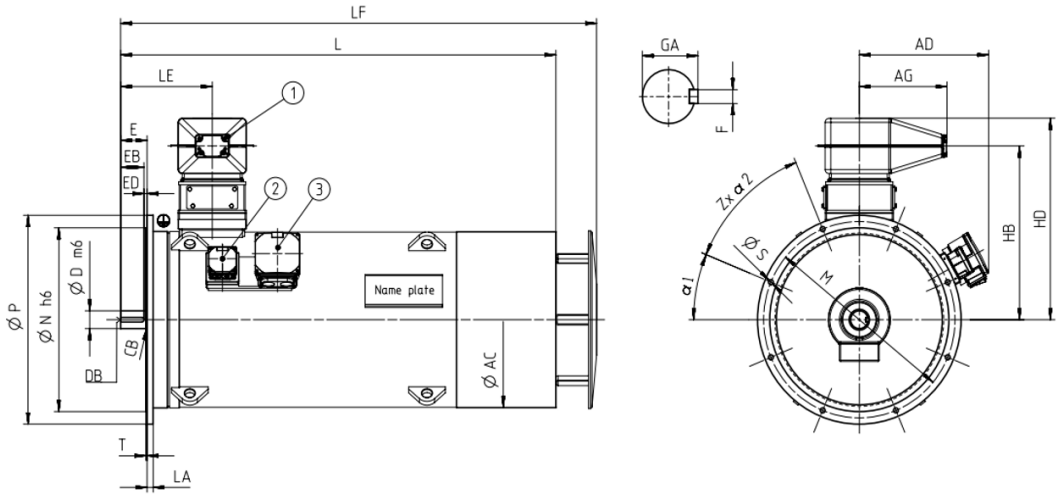
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NC1 566-4AC14-4AG0	9900	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AC14-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
6-pole													
1NC1 404-6AC14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-6AC14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC14-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-6AC14-4CG0	4800	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-6AC14-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AC14-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC14-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AC14-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AC14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AC14-4CG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AC14-4AG0	6600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC14-4CG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AC14-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC14-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AC14-4AG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC14-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AC14-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 562-6AC14-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AC14-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AC14-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole														
1NC1 404-8AC14-4AG0	4300	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 404-8AC14-4CG0	4500	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC14-4AG0	4600	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 406-8AC14-4CG0	4700	o.r.	431	120	832	965	2239	o.r.	940	880	1000	o.r.	8
1NC1 452-8AC14-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AC14-4CG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC14-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AC14-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC14-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AC14-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AC14-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AC14-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC14-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AC14-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC14-4AG0	7700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AC14-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AC14-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 690 V / 60 Hz V1 (IM 3011) - Dimension drawings														
1NC1 564-8AC14-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AC14-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

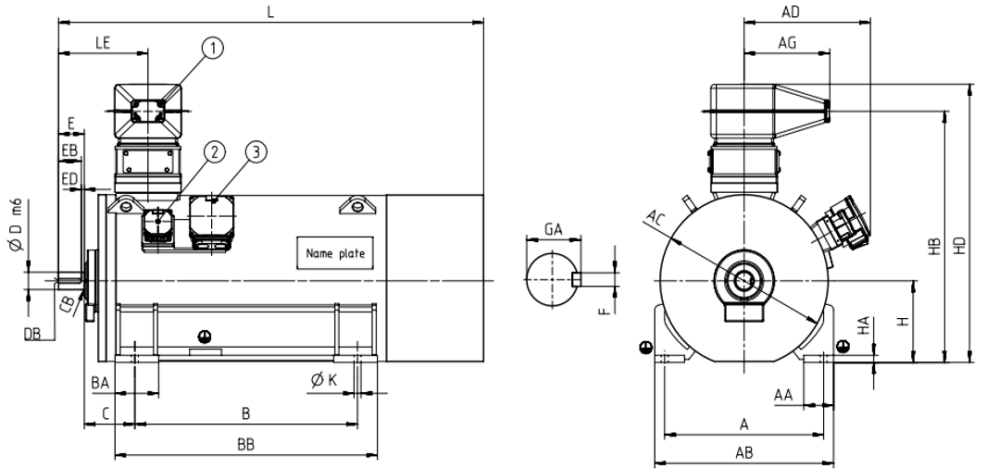
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SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																						
	710	**1NC1 452-2AR40-4AG0**	2986	96.7	0,90	114	2271	2,80	11.0	3600	285	1822	96.7	0,89	90	1432	94.8	0,87	40	1282	92.5	0,82
	710	**1NC1 452-2AR40-4CG0**	2983	96.5	0,89	114	2273	2,50	15.0	3600	285	1824	96.4	0,89	90	1434	94.3	0,87	40	1284	91.8	0,83
	800	**1NC1 454-2AR40-4AG0**	2988	96.9	0,90	128	2557	3,50	13.0	3600	320	2050	96.9	0,89	100	1612	95.1	0,86	45	1443	92.7	0,80
	800	**1NC1 454-2AR40-4CG0**	2986	96.7	0,90	128	2558	3,00	17.0	3600	320	2053	96.7	0,89	100	1614	94.7	0,86	45	1445	92.1	0,80
	900	**1NC1 456-2AR40-4AG0**	2989	97.0	0,91	142	2875	3,60	14.0	3600	360	2306	97.0	0,90	115	1813	95.1	0,86	50	1623	92.7	0,81
	900	**1NC1 456-2AR40-4CG0**	2986	96.8	0,91	142	2878	3,00	19.0	3600	360	2309	96.8	0,90	115	1815	94.7	0,86	50	1625	92.2	0,81
	1000	**1NC1 502-2AR40-4CG0**	2989	96.5	0,89	162	3195	3,10	24.0	3000	400	2563	96.9	0,89	125	2015	95.4	0,85	55	1804	93.2	0,78
	1000	**1NC1 502-2AR40-4AG0**	2988	96.7	0,89	162	3196	3,40	19.0	3000	400	2563	97.0	0,89	125	2015	95.6	0,85	55	1804	93.6	0,79
	1120	**1NC1 504-2AR40-4AG0**	2989	96.8	0,90	178	3578	3,70	21.0	3000	450	2870	97.1	0,89	140	2256	95.7	0,86	60	2020	93.6	0,80
	1120	**1NC1 504-2AR40-4CG0**	2989	96.7	0,90	178	3578	3,30	27.0	3000	450	2870	97.0	0,89	140	2256	95.5	0,85	65	2020	93.3	0,78
	1250	**1NC1 506-2AR40-4AG0**	2989	97.0	0,91	196	3994	3,80	24.0	3000	500	3203	97.2	0,90	155	2518	95.7	0,87	70	2255	93.8	0,81
	1250	**1NC1 506-2AR40-4CG0**	2990	96.9	0,90	198	3992	3,30	31.0	3000	500	3203	97.2	0,90	155	2518	95.6	0,86	70	2255	93.5	0,80
	1400	**1NC1 564-2AR40-4CG0**	2992	96.9	0,91	220	4468	3,20	46.0	3000	560	3585	97.4	0,90	175	2818	96.2	0,87	80	2523	94.4	0,80
	1600	**1NC1 566-2AR40-4CG0**	2992	97.1	0,91	250	5107	3,20	51.0	3000	640	4096	97.5	0,90	200	3220	96.2	0,88	90	2883	94.5	0,82
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																						
	710	**1NC1 452-4AR40-4AG0**	1494	96.5	0,83	124	4538	3,60	18.0	2400	285	3642	96.4	0,80	90	2863	93.7	0,72	40	2563	89.5	0,59
	710	**1NC1 452-4AR40-4CG0**	1493	96.4	0,83	124	4541	3,00	23.0	2400	285	3643	96.5	0,80	90	2864	94.1	0,73	40	2565	90.6	0,62
	800	**1NC1 454-4AR40-4AG0**	1494	96.5	0,83	138	5113	4,00	20.0	2400	320	4102	96.4	0,80	100	3224	93.6	0,71	45	2887	89.0	0,57
	800	**1NC1 454-4AR40-4CG0**	1494	96.5	0,83	138	5113	3,30	26.0	2400	320	4103	96.5	0,80	100	3225	94.0	0,73	45	2888	90.4	0,61
	900	**1NC1 456-4AR40-4AG0**	1494	96.6	0,85	152	5753	3,80	23.0	2400	360	4615	96.6	0,82	115	3628	93.8	0,74	50	3249	89.8	0,62
	900	**1NC1 456-4AR40-4CG0**	1494	96.7	0,84	154	5753	3,20	30.0	2400	360	4616	96.6	0,82	115	3628	94.2	0,75	50	3249	90.9	0,65
	1000	**1NC1 502-4AR40-4CG0**	1493	96.3	0,86	168	6396	2,50	35.0	2200	400	5135	96.5	0,84	125	4036	94.6	0,80	55	3614	91.9	0,71
	1000	**1NC1 502-4AR40-4AG0**	1493	96.2	0,86	168	6396	3,20	26.0	2200	400	5132	96.5	0,85	125	4034	94.3	0,79	55	3613	90.9	0,68
	1120	**1NC1 504-4AR40-4CG0**	1493	96.5	0,86	188	7164	2,60	40.0	2200	450	5749	96.7	0,85	140	4519	94.7	0,81	60	4047	92.1	0,73
	1120	**1NC1 504-4AR40-4AG0**	1493	96.4	0,87	186	7164	3,20	30.0	2200	450	5748	96.6	0,86	140	4518	94.3	0,80	60	4046	91.2	0,70
	1250	**1NC1 506-4AR40-4CG0**	1494	96.6	0,87	205	7990	2,70	45.0	2200	500	6413	96.8	0,86	155	5041	95.0	0,81	70	4514	92.5	0,73
	1250	**1NC1 506-4AR40-4AG0**	1494	96.6	0,88	205	7990	3,40	35.0	2200	500	6413	96.7	0,86	155	5041	94.7	0,80	70	4514	91.7	0,70
	1400	**1NC1 560-4AR40-4CG0**	1493	96.6	0,85	235	8954	2,30	60.0	2000	560	7186	96.9	0,84	175	5649	95.2	0,80	80	5059	92.9	0,73
	1400	**1NC1 560-4AR40-4AG0**	1494	96.6	0,86	235	8948	2,70	44.0	2000	560	7182	96.9	0,85	175	5645	95.0	0,80	80	5055	92.3	0,70
	1600	**1NC1 562-4AR40-4CG0**	1494	96.8	0,86	265	10227	2,40	68.0	2000	640	8208	97.1	0,84	200	6452	95.6	0,80	90	5778	93.4	0,72
	1600	**1NC1 562-4AR40-4AG0**	1494	96.8	0,86	265	10227	2,80	50.0	2000	640	8205	97.1	0,85	200	6450	95.5	0,80	90	5775	92.9	0,69
	1800	**1NC1 564-4AR40-4AG0**	1495	96.9	0,87	295	11497	3,00	55.0	2000	720	9228	97.2	0,85	225	7254	95.4	0,80	100	6495	92.7	0,68
	1800	**1NC1 564-4AR40-4CG0**	1494	97.0	0,87	295	11505	2,60	75.0	2000	720	9229	97.2	0,85	225	7255	95.6	0,80	100	6497	93.3	0,72
	2000	**1NC1 566-4AR40-4AG0**	1495	97.1	0,88	325	12775	3,10	62.0	2000	800	10253	97.3	0,86	250	8059	95.3	0,81	110	7217	92.7	0,70

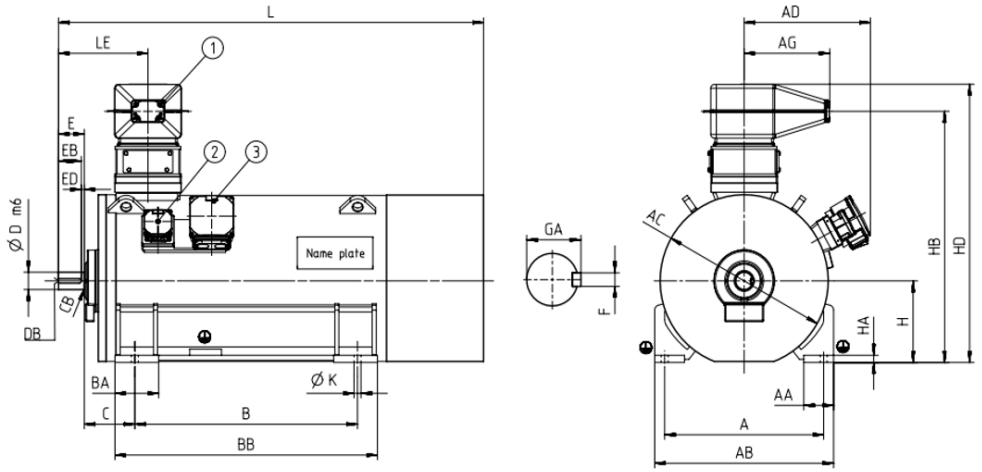
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SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	2000	**1NC1 566-4AR40-4CG0**	1495	97.1	0,87	330	12775	2,70	83.0	2000	800	10254	97.3	0,86	250	8061	95.5	0,81	110	7218	93.3	0,72
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	560	**1NC1 452-6AR40-4AG0**	993	96.0	0,81	100	5385	2,00	26.0	2200	225	4324	95.5	0,80	70	3399	92.6	0,78	30	3044	88.6	0,70
	560	**1NC1 452-6AR40-4CG0**	993	96.2	0,84	96	5385	2,30	34.0	2200	225	4324	95.6	0,83	70	3399	92.6	0,79	30	3044	88.7	0,72
	630	**1NC1 454-6AR40-4AG0**	994	96.2	0,81	112	6052	2,50	30.0	2200	250	4855	95.8	0,79	80	3816	93.0	0,74	35	3417	88.5	0,63
	630	**1NC1 454-6AR40-4CG0**	995	96.3	0,83	110	6046	2,70	39.0	2200	250	4855	95.8	0,81	80	3816	93.0	0,76	35	3417	88.8	0,65
	710	**1NC1 456-6AR40-4AG0**	995	96.3	0,81	126	6814	2,70	35.0	2200	285	5471	96.0	0,78	90	4301	93.2	0,72	40	3851	88.8	0,60
	710	**1NC1 456-6AR40-4CG0**	995	96.4	0,83	124	6814	2,90	46.0	2200	285	5467	96.0	0,80	90	4298	93.2	0,74	40	3848	89.1	0,63
	800	**1NC1 500-6AR40-4CG0**	995	96.4	0,86	134	7678	2,20	57.0	2100	320	6164	96.2	0,85	100	4846	93.8	0,82	45	4339	90.6	0,75
	800	**1NC1 500-6AR40-4AG0**	993	96.2	0,83	140	7693	2,30	44.0	2100	320	6174	95.9	0,82	100	4853	93.1	0,80	45	4346	89.4	0,73
	900	**1NC1 502-6AR40-4AG0**	994	96.3	0,84	154	8646	2,70	50.0	2100	360	6940	96.0	0,83	110	5456	93.2	0,79	50	4885	89.0	0,70
	900	**1NC1 502-6AR40-4CG0**	996	96.4	0,86	150	8629	2,60	65.0	2100	360	6927	96.3	0,85	115	5445	93.9	0,81	50	4876	90.2	0,72
	1000	**1NC1 504-6AR40-4AG0**	994	96.4	0,85	170	9607	2,60	57.0	2100	400	7717	96.1	0,84	125	6066	93.6	0,82	55	5432	90.0	0,74
	1000	**1NC1 504-6AR40-4CG0**	995	96.6	0,87	166	9597	2,40	74.0	2100	400	7700	96.4	0,86	125	6052	94.2	0,83	55	5420	91.2	0,76
	1120	**1NC1 506-6AR40-4AG0**	994	96.6	0,85	190	10760	2,80	65.0	2100	450	8636	96.4	0,84	140	6789	93.8	0,80	60	6079	90.3	0,71
	1120	**1NC1 506-6AR40-4CG0**	996	96.8	0,86	186	10738	2,60	83.0	2100	450	8618	96.6	0,85	140	6774	94.5	0,82	60	6066	91.4	0,73
	1250	**1NC1 562-6AR40-4CG0**	996	96.9	0,86	210	11985	3,10	116.0	2000	500	9614	97.1	0,85	155	7557	95.0	0,80	70	6767	92.2	0,70
	1400	**1NC1 564-6AR40-4CG0**	996	97.0	0,87	230	13423	3,00	132.0	2000	560	10768	97.1	0,85	175	8465	95.0	0,82	80	7580	92.3	0,72
	1600	**1NC1 566-6AR40-4CG0**	996	97.2	0,87	265	15340	3,00	147.0	2000	640	12306	97.2	0,86	200	9673	95.2	0,82	90	8662	92.7	0,73
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	470	**1NC1 452-8AR40-4AG0**	744	95.6	0,77	89	6032	2,10	26.0	2200	190	4847	94.9	0,77	60	3810	91.2	0,74	25	3412	85.8	0,65
	470	**1NC1 452-8AR40-4CG0**	744	95.7	0,80	85	6032	2,10	35.0	2200	190	4844	95.0	0,79	60	3807	91.2	0,75	25	3409	86.0	0,66
	530	**1NC1 454-8AR40-4AG0**	744	95.8	0,78	98	6803	2,20	30.0	2200	210	5460	95.2	0,77	65	4292	91.7	0,73	30	3843	86.4	0,63
	530	**1NC1 454-8AR40-4CG0**	745	95.9	0,80	96	6793	2,30	39.0	2200	210	5457	95.2	0,78	65	4290	91.7	0,73	30	3841	86.4	0,64
	600	**1NC1 456-8AR40-4AG0**	745	96.0	0,78	112	7691	2,50	35.0	2200	240	6178	95.5	0,76	75	4856	92.0	0,70	35	4349	86.6	0,59
	600	**1NC1 456-8AR40-4CG0**	745	96.0	0,79	110	7691	2,50	46.0	2200	240	6171	95.5	0,77	75	4851	92.0	0,71	35	4343	86.7	0,60
	630	**1NC1 502-8AR40-4CG0**	745	95.6	0,85	108	8075	2,20	65.0	2100	250	6486	95.0	0,83	80	5098	92.1	0,80	35	4565	88.0	0,73
	630	**1NC1 502-8AR40-4AG0**	744	95.6	0,80	114	8086	1,90	50.0	2100	250	6491	94.9	0,80	80	5103	91.9	0,78	35	4569	87.7	0,72
	710	**1NC1 504-8AR40-4AG0**	745	95.9	0,80	128	9101	2,30	56.0	2100	285	7301	95.4	0,79	90	5739	92.5	0,74	40	5139	88.1	0,64
	710	**1NC1 504-8AR40-4CG0**	746	95.8	0,84	122	9088	2,70	73.0	2100	285	7296	95.4	0,81	90	5735	92.5	0,75	40	5135	88.3	0,66
	800	**1NC1 506-8AR40-4AG0**	746	95.9	0,81	142	10241	2,50	64.0	2100	320	8227	95.3	0,78	100	6467	92.4	0,73	45	5791	87.6	0,63
	800	**1NC1 506-8AR40-4CG0**	746	95.8	0,83	140	10241	2,90	83.0	2100	320	8215	95.3	0,80	100	6458	92.4	0,74	45	5783	87.8	0,64
	900	**1NC1 562-8AR40-4CG0**	746	96.6	0,83	156	11521	2,70	115.0	2000	360	9243	96.5	0,82	110	7266	94.0	0,76	50	6506	90.6	0,66
	1000	**1NC1 564-8AR40-4CG0**	746	96.7	0,84	170	12801	2,70	132.0	2000	400	10269	96.6	0,82	125	8072	94.1	0,77	55	7228	90.9	0,67
	1120	**1NC1 566-8AR40-4CG0**	746	96.8	0,83	194	14337	2,90	147.0	2000	450	11496	96.7	0,82	140	9037	94.0	0,76	60	8092	90.7	0,65

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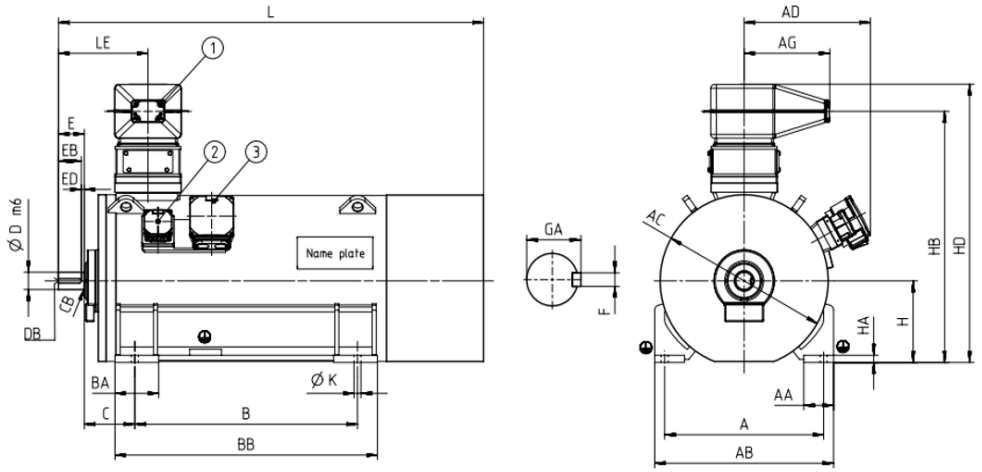


Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 452-2AR40-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 452-2AR40-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AR40-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AR40-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AR40-4AG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AR40-4CG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 502-2AR40-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 502-2AR40-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AR40-4AG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 504-2AR40-4CG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AR40-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 506-2AR40-4CG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	110	165	500	1437	o.r.	1570	o.r.	2432	o.r.
1NC1 564-2AR40-4CG0	8095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
1NC1 566-2AR40-4CG0	8495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	120	165	560	1557	o.r.	1690	o.r.	2598	o.r.
4-pole																			
1NC1 452-4AR40-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AR40-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR40-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR40-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AR40-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.



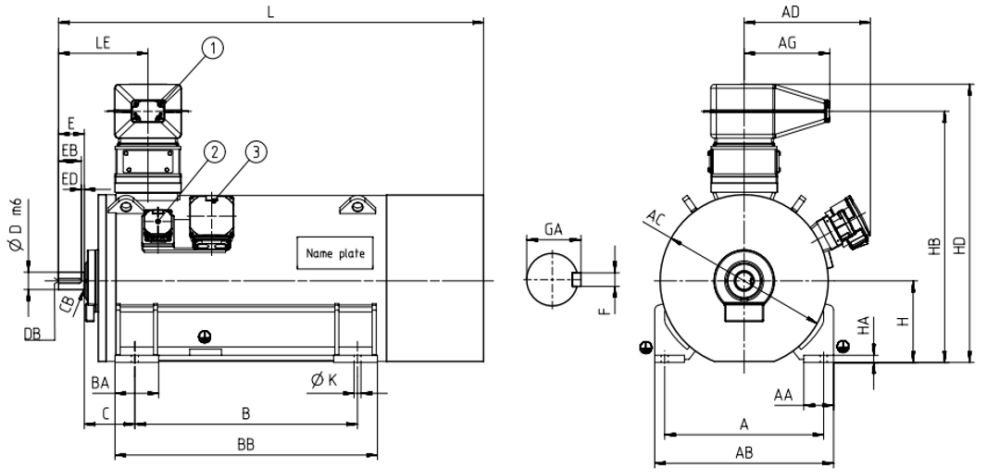
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-4AR40-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AR40-4CG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AR40-4AG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR40-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR40-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR40-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR40-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 560-4AR40-4CG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 560-4AR40-4AG0	7395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR40-4CG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR40-4AG0	7895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AR40-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AR40-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR40-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR40-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 452-6AR40-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AR40-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR40-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR40-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AR40-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.

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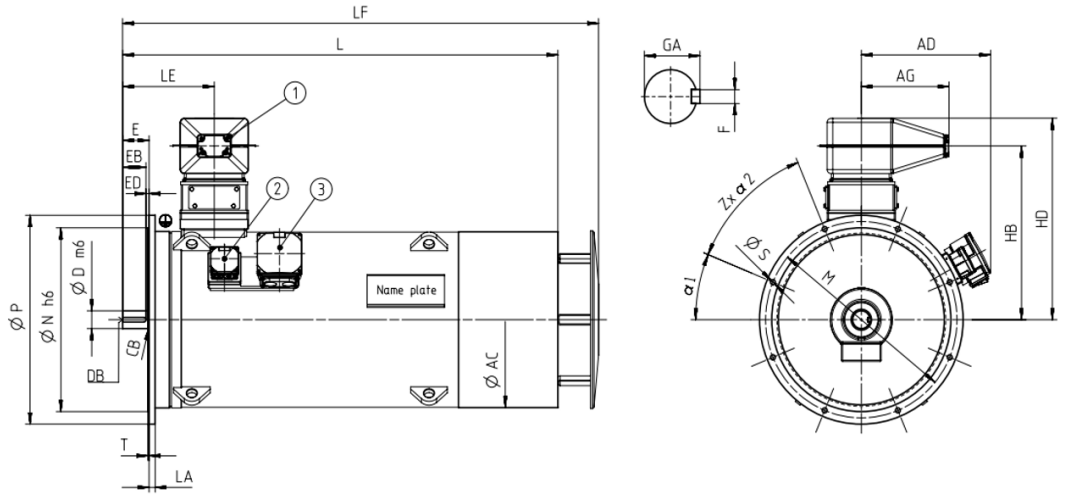
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 456-6AR40-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AR40-4CG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AR40-4AG0	5575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR40-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR40-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR40-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR40-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR40-4AG0	6675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR40-4CG0	6875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AR40-4CG0	8395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AR40-4CG0	8995	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-6AR40-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 452-8AR40-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AR40-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR40-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR40-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR40-4AG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR40-4CG0	5225	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AR40-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AR40-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.

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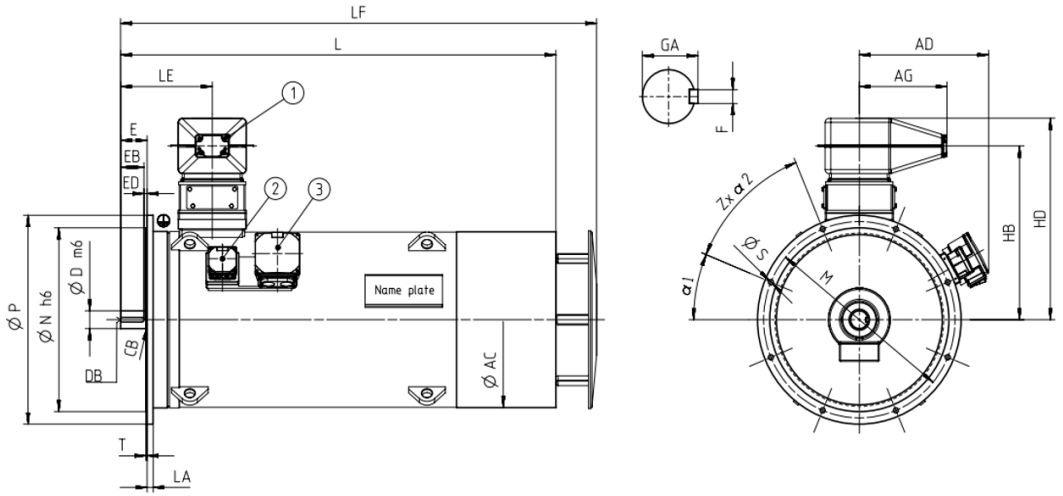
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 504-8AR40-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AR40-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR40-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR40-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AR40-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AR40-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AR40-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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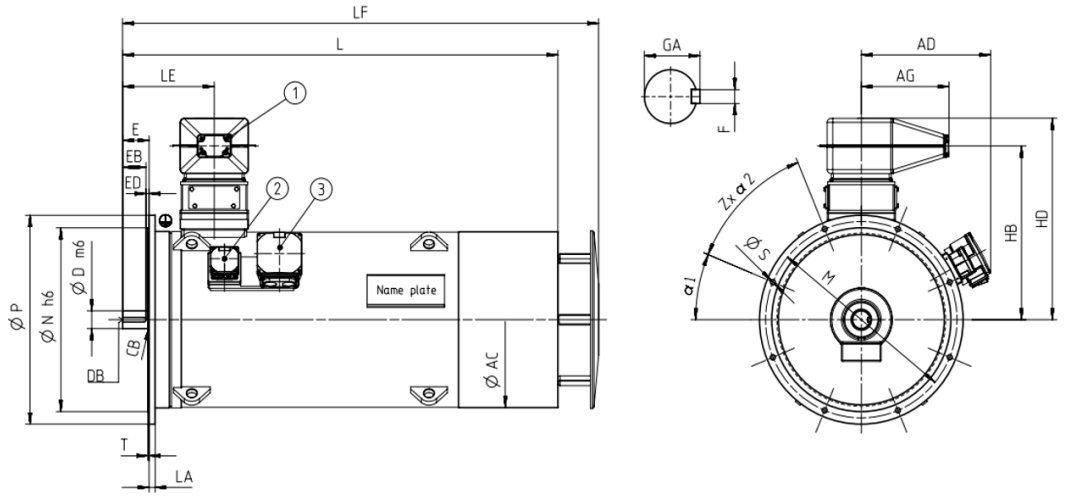
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NC1 452-4AR44-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AR44-4CG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR44-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR44-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR44-4AG0	5800	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR44-4CG0	6000	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AR44-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AR44-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR44-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR44-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR44-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR44-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AR44-4CG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AR44-4AG0	8700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR44-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR44-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR44-4AG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR44-4CG0	9800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR44-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR44-4CG0	10400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NC1 452-6AR44-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AR44-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR44-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR44-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR44-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR44-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AR44-4CG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AR44-4AG0	6500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR44-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR44-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR44-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR44-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR44-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR44-4CG0	7900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AR44-4CG0	9700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AR44-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AR44-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													
1NC1 452-8AR44-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AR44-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 454-8AR44-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AR44-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR44-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR44-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AR44-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AR44-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR44-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR44-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR44-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR44-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AR44-4CG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AR44-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AR44-4CG0	10700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

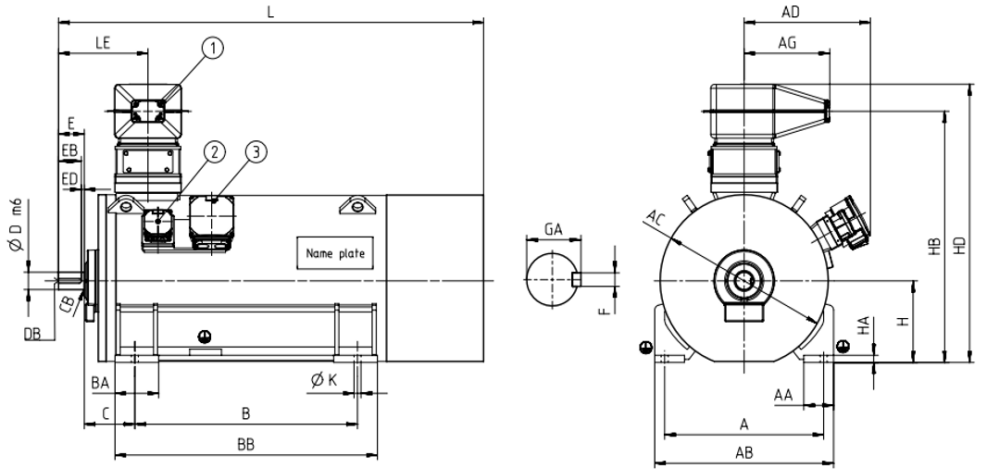
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SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	800	**1NC1 452-2AR30-4CG0**	3584	96.3	0,90	128	2132	2,60	15.0	3600	320	1710	96.6	0,89	100	1344	94.7	0,86	45	1204	92.6	0,80
	900	**1NC1 454-2AR30-4CG0**	3587	96.5	0,90	144	2396	3,10	17.0	3600	360	1922	96.8	0,88	115	1511	95.1	0,84	50	1353	92.9	0,76
	1000	**1NC1 456-2AR30-4CG0**	3588	96.6	0,90	160	2661	3,40	19.0	3600	400	2135	96.9	0,88	125	1678	95.1	0,84	55	1503	92.8	0,74
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	800	**1NC1 452-4AR30-4AG0**	1794	96.3	0,81	142	4258	4,00	18.0	2400	320	3415	96.3	0,78	100	2684	93.5	0,69	45	2404	89.3	0,54
	800	**1NC1 452-4AR30-4CG0**	1794	96.3	0,82	140	4258	3,30	23.0	2400	320	3416	96.4	0,78	100	2685	94.1	0,70	45	2404	90.7	0,58
	900	**1NC1 454-4AR30-4AG0**	1795	96.4	0,81	160	4788	4,20	20.0	2400	360	3841	96.5	0,77	115	3020	93.8	0,68	50	2704	89.7	0,53
	900	**1NC1 454-4AR30-4CG0**	1794	96.4	0,82	158	4791	3,40	26.0	2400	360	3842	96.5	0,78	115	3020	94.3	0,70	50	2704	91.1	0,57
	1000	**1NC1 456-4AR30-4AG0**	1795	96.5	0,82	176	5320	4,30	23.0	2400	400	4267	96.5	0,78	125	3354	93.8	0,69	55	3004	89.8	0,54
	1000	**1NC1 456-4AR30-4CG0**	1795	96.5	0,82	176	5320	3,60	30.0	2400	400	4268	96.6	0,79	125	3355	94.3	0,70	55	3004	91.2	0,57
	1120	**1NC1 502-4AR30-4CG0**	1794	96.1	0,85	190	5962	2,60	35.0	2200	450	4785	96.6	0,83	140	3761	95.1	0,78	65	3368	92.8	0,69
	1120	**1NC1 502-4AR30-4AG0**	1794	96.0	0,86	188	5962	3,30	26.0	2200	450	4785	96.5	0,84	140	3761	94.7	0,77	65	3368	91.8	0,65
	1250	**1NC1 504-4AR30-4AG0**	1793	96.2	0,87	205	6657	3,30	30.0	2200	500	5340	96.6	0,85	155	4198	94.8	0,79	70	3759	92.1	0,69
	1250	**1NC1 504-4AR30-4CG0**	1794	96.3	0,86	210	6654	2,60	40.0	2200	500	5341	96.8	0,85	155	4198	95.1	0,80	70	3759	92.9	0,72
	1400	**1NC1 506-4AR30-4AG0**	1794	96.3	0,87	230	7452	3,80	35.0	2200	560	5977	96.7	0,85	175	4699	94.5	0,78	80	4207	91.6	0,66
	1400	**1NC1 506-4AR30-4CG0**	1795	96.5	0,86	235	7448	3,00	45.0	2200	560	5977	96.8	0,84	175	4699	95.0	0,79	80	4207	92.7	0,69
	1600	**1NC1 560-4AR30-4CG0**	1793	96.3	0,84	275	8521	2,10	60.0	2000	640	6836	96.9	0,84	200	5374	95.7	0,81	90	4812	93.9	0,74
	1600	**1NC1 560-4AR30-4AG0**	1794	96.1	0,86	270	8517	2,40	44.0	2000	640	6834	96.9	0,85	200	5372	95.6	0,80	90	4811	93.5	0,71
	1800	**1NC1 562-4AR30-4CG0**	1794	96.5	0,86	300	9581	2,40	68.0	2000	720	7686	97.1	0,85	225	6042	95.6	0,81	100	5410	93.7	0,73
	1800	**1NC1 562-4AR30-4AG0**	1794	96.4	0,87	300	9581	2,80	50.0	2000	720	7689	97.0	0,86	225	6044	95.5	0,81	100	5412	93.2	0,71
	2000	**1NC1 564-4AR30-4AG0**	1795	96.6	0,88	325	10640	2,90	55.0	2000	800	8542	97.1	0,86	250	6714	95.4	0,81	110	6012	93.1	0,71
	2000	**1NC1 564-4AR30-4CG0**	1794	96.7	0,87	330	10646	2,50	75.0	2000	800	8544	97.1	0,86	250	6716	95.6	0,81	110	6014	93.6	0,73
	2200	**1NC1 566-4AR30-4AG0**	1795	96.7	0,88	360	11704	3,10	62.0	2000	880	9392	97.1	0,86	275	7383	95.1	0,81	125	6611	92.7	0,71
	2200	**1NC1 566-4AR30-4CG0**	1795	96.9	0,88	360	11704	2,70	83.0	2000	880	9395	97.2	0,86	275	7385	95.4	0,81	125	6613	93.3	0,73
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	630	**1NC1 452-6AR30-4AG0**	1194	96.1	0,79	116	5039	2,40	26.0	2200	250	4042	96.0	0,78	80	3177	93.5	0,73	35	2845	89.6	0,62
	630	**1NC1 452-6AR30-4CG0**	1194	96.3	0,82	110	5039	2,70	34.0	2200	250	4043	96.0	0,80	80	3178	93.5	0,75	35	2846	89.8	0,64
	710	**1NC1 454-6AR30-4AG0**	1195	96.3	0,80	128	5674	2,50	30.0	2200	285	4557	96.0	0,79	90	3582	93.5	0,73	40	3208	89.7	0,62
	710	**1NC1 454-6AR30-4CG0**	1195	96.4	0,83	124	5674	2,80	39.0	2200	285	4553	96.1	0,80	90	3579	93.5	0,75	40	3205	89.9	0,64
	800	**1NC1 456-6AR30-4AG0**	1195	96.4	0,81	142	6393	2,70	35.0	2200	320	5133	96.2	0,78	100	4035	93.7	0,73	45	3613	90.0	0,61
	800	**1NC1 456-6AR30-4CG0**	1195	96.5	0,83	138	6393	2,90	46.0	2200	320	5129	96.2	0,80	100	4032	93.6	0,74	45	3610	90.2	0,63
	900	**1NC1 500-6AR30-4CG0**	1195	96.4	0,86	150	7192	2,40	57.0	2100	360	5771	96.4	0,85	115	4537	94.4	0,82	50	4062	91.6	0,74
	900	**1NC1 500-6AR30-4AG0**	1194	96.3	0,83	156	7198	2,40	44.0	2100	360	5777	96.2	0,83	110	4541	93.8	0,80	50	4066	90.6	0,72
	1000	**1NC1 502-6AR30-4AG0**	1194	96.4	0,83	174	7998	2,50	50.0	2100	400	6417	96.3	0,83	125	5044	94.0	0,79	55	4517	90.8	0,71

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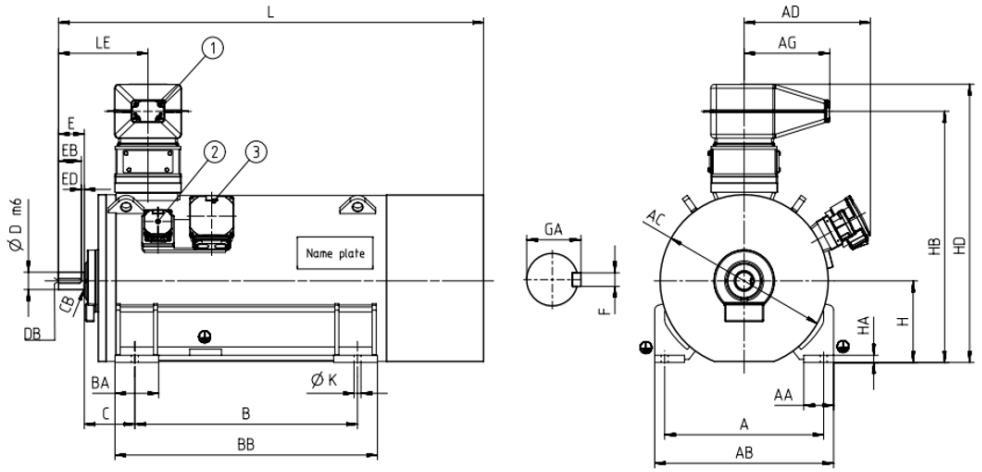
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1000	**1NC1 502-6AR30-4CG0**	1196	96.5	0,86	168	7984	2,50	65.0	2100	400	6410	96.6	0,85	125	5038	94.6	0,81	55	4512	91.9	0,73
	1120	**1NC1 504-6AR30-4AG0**	1194	96.6	0,85	190	8957	2,70	57.0	2100	450	7189	96.4	0,84	140	5651	94.0	0,80	60	5060	90.9	0,71
	1120	**1NC1 504-6AR30-4CG0**	1196	96.7	0,86	186	8942	2,60	74.0	2100	450	7177	96.7	0,85	140	5642	94.7	0,82	65	5052	92.0	0,73
	1250	**1NC1 506-6AR30-4AG0**	1195	96.6	0,85	210	9989	2,90	65.0	2100	500	8017	96.5	0,84	155	6302	94.1	0,79	70	5643	90.8	0,69
	1250	**1NC1 506-6AR30-4CG0**	1196	96.7	0,86	210	9980	2,80	83.0	2100	500	8006	96.7	0,85	155	6293	94.7	0,81	70	5635	91.8	0,71
	1400	**1NC1 562-6AR30-4CG0**	1196	96.8	0,86	235	11178	3,00	116.0	2000	560	8967	97.1	0,85	175	7049	95.3	0,81	80	6312	93.0	0,72
	1600	**1NC1 564-6AR30-4CG0**	1196	97.0	0,87	265	12775	3,00	132.0	2000	640	10249	97.2	0,86	200	8056	95.3	0,82	90	7214	93.1	0,74
	1800	**1NC1 566-6AR30-4CG0**	1196	97.1	0,87	295	14372	3,00	147.0	2000	720	11530	97.3	0,86	225	9063	95.3	0,83	100	8116	93.1	0,74
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	560	**1NC1 452-8AR30-4AG0**	894	95.8	0,78	104	5982	2,20	26.0	2200	225	4802	95.3	0,76	70	3775	92.1	0,72	30	3380	87.1	0,62
	560	**1NC1 452-8AR30-4CG0**	894	95.8	0,80	102	5982	2,30	35.0	2200	225	4800	95.3	0,78	70	3773	92.0	0,73	30	3378	87.1	0,63
	630	**1NC1 454-8AR30-4AG0**	894	96.0	0,78	116	6729	2,20	30.0	2200	250	5400	95.6	0,76	80	4245	92.5	0,72	35	3801	87.9	0,62
	630	**1NC1 454-8AR30-4CG0**	895	96.0	0,80	114	6722	2,30	39.0	2200	250	5397	95.6	0,78	80	4242	92.4	0,73	35	3799	87.9	0,62
	710	**1NC1 456-8AR30-4AG0**	895	96.1	0,78	132	7575	2,40	35.0	2200	285	6082	95.6	0,77	90	4781	92.5	0,72	40	4281	87.8	0,61
	710	**1NC1 456-8AR30-4CG0**	895	96.1	0,80	128	7575	2,40	46.0	2200	285	6079	95.6	0,78	90	4779	92.4	0,72	40	4279	87.9	0,61
	710	**1NC1 502-8AR30-4CG0**	895	95.7	0,85	122	7575	2,30	65.0	2100	285	6081	95.3	0,83	90	4780	92.8	0,79	40	4280	89.2	0,72
	710	**1NC1 502-8AR30-4AG0**	894	95.8	0,81	126	7584	1,90	50.0	2100	285	6085	95.3	0,80	90	4783	92.7	0,77	40	4283	89.1	0,70
	800	**1NC1 504-8AR30-4AG0**	895	95.9	0,81	142	8536	2,30	56.0	2100	320	6847	95.5	0,79	100	5383	92.9	0,74	45	4820	88.9	0,65
	800	**1NC1 504-8AR30-4CG0**	896	95.7	0,84	138	8526	2,70	73.0	2100	320	6843	95.4	0,81	100	5379	92.9	0,76	45	4816	89.0	0,66
	900	**1NC1 506-8AR30-4AG0**	895	96.0	0,81	160	9603	2,30	64.0	2100	360	7703	95.6	0,80	110	6055	93.0	0,75	50	5422	89.2	0,66
	900	**1NC1 506-8AR30-4CG0**	896	95.8	0,84	156	9592	2,70	83.0	2100	360	7697	95.5	0,82	115	6051	93.0	0,76	50	5418	89.3	0,67
	1000	**1NC1 562-8AR30-4CG0**	896	96.5	0,84	172	10658	2,60	115.0	2000	400	8553	96.6	0,83	125	6723	94.4	0,78	55	6020	91.6	0,69
	1120	**1NC1 564-8AR30-4CG0**	896	96.6	0,84	192	11937	2,70	132.0	2000	450	9577	96.7	0,83	140	7528	94.5	0,78	60	6741	91.6	0,69
	1250	**1NC1 566-8AR30-4CG0**	897	96.7	0,83	215	13307	2,90	147.0	2000	500	10682	96.7	0,81	155	8396	94.3	0,76	70	7519	91.3	0,65

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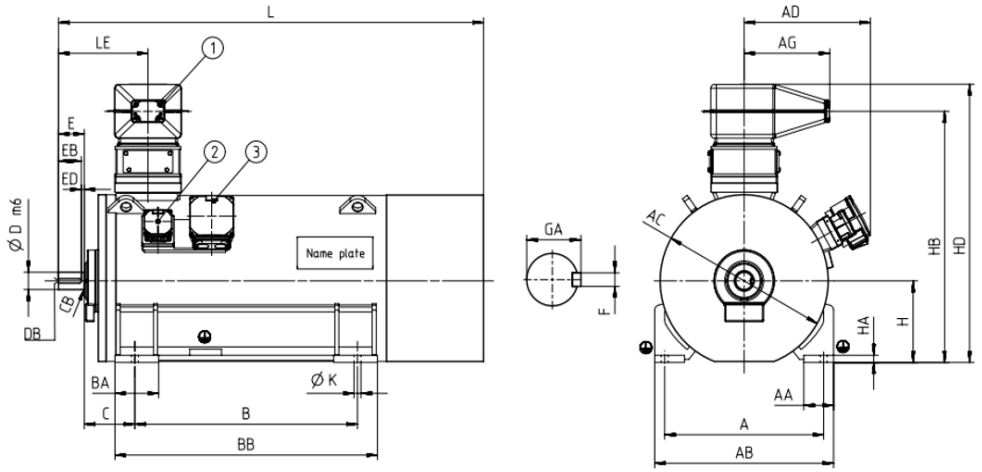
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 452-2AR30-4CG0	o.r.	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 454-2AR30-4CG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
1NC1 456-2AR30-4CG0	5025	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	95	130	450	1322	o.r.	1455	o.r.	2274	o.r.
4-pole																			
1NC1 452-4AR30-4AG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-4AR30-4CG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR30-4AG0	4825	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-4AR30-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AR30-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-4AR30-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-4AR30-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-4AR30-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR30-4AG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-4AR30-4CG0	6275	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR30-4AG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-4AR30-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 560-4AR30-4CG0	7695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 560-4AR30-4AG0	7395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR30-4CG0	8095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 562-4AR30-4AG0	7795	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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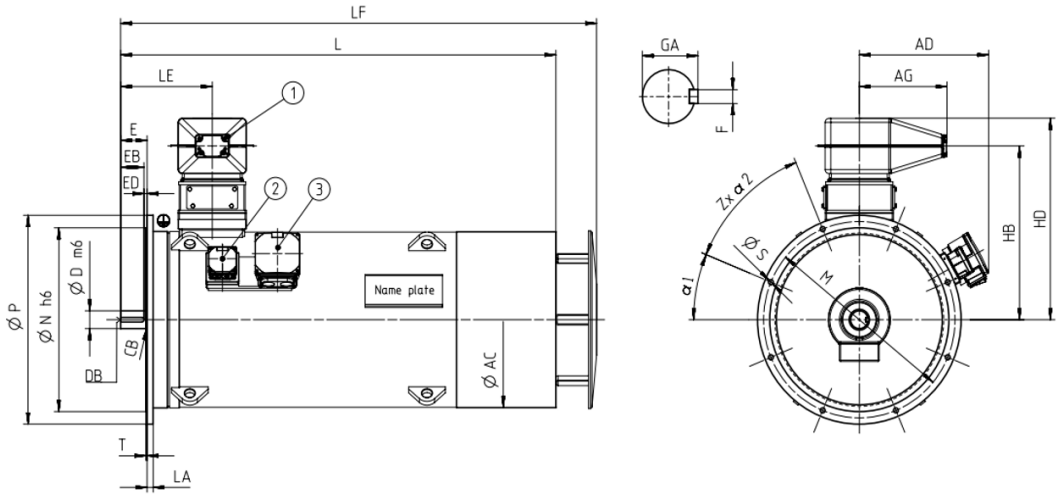
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 564-4AR30-4AG0	8195	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-4AR30-4CG0	8595	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR30-4AG0	8695	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-4AR30-4CG0	9095	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
6-pole																			
1NC1 452-6AR30-4AG0	4525	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-6AR30-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR30-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-6AR30-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AR30-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-6AR30-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 500-6AR30-4CG0	5675	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 500-6AR30-4AG0	5475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR30-4AG0	5875	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-6AR30-4CG0	6075	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR30-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-6AR30-4CG0	6475	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR30-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-6AR30-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-6AR30-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-6AR30-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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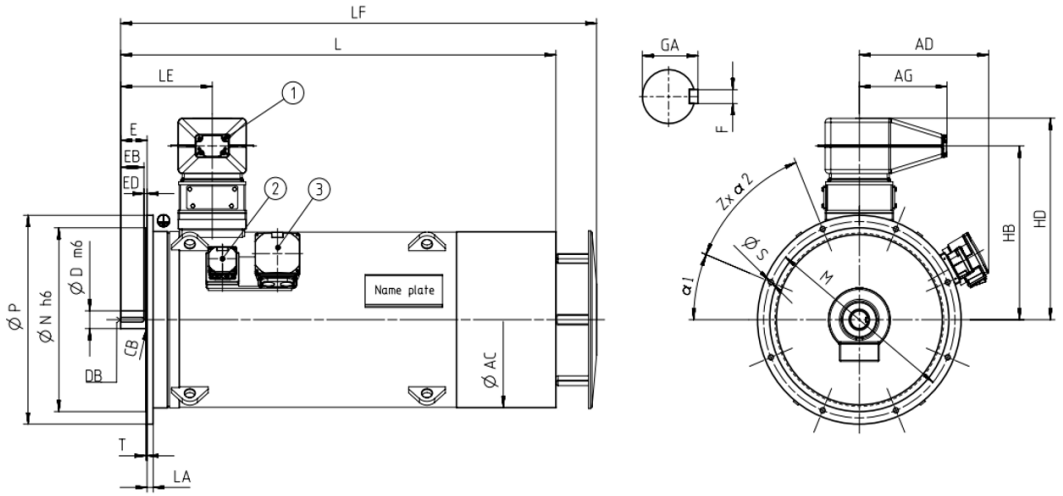
Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 566-6AR30-4CG0	9495	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
8-pole																			
1NC1 452-8AR30-4AG0	4425	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 452-8AR30-4CG0	4625	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR30-4AG0	4725	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 454-8AR30-4CG0	4925	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR30-4AG0	5125	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 456-8AR30-4CG0	5325	900	688	o.r.	o.r.	o.r.	431	o.r.	1250	280	120	165	450	1322	o.r.	1455	o.r.	2419	o.r.
1NC1 502-8AR30-4CG0	5975	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 502-8AR30-4AG0	5775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AR30-4AG0	6175	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 504-8AR30-4CG0	6375	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR30-4AG0	6575	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 506-8AR30-4CG0	6775	1000	693	o.r.	o.r.	o.r.	431	o.r.	1320	315	140	200	500	1437	o.r.	1570	o.r.	2599	o.r.
1NC1 562-8AR30-4CG0	8295	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 564-8AR30-4CG0	8895	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.
1NC1 566-8AR30-4CG0	9395	1120	715	o.r.	o.r.	o.r.	431	o.r.	1400	335	160	240	560	1557	o.r.	1690	o.r.	2753	o.r.

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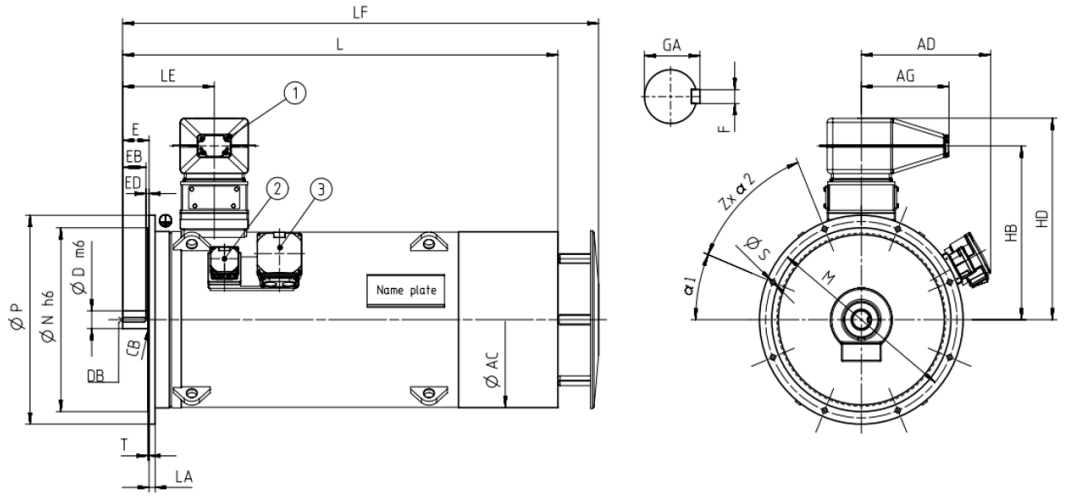
Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings														
4-pole														
1NC1 452-4AR34-4AG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-4AR34-4CG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR34-4AG0	5400	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-4AR34-4CG0	5600	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR34-4AG0	5800	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-4AR34-4CG0	6000	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-4AR34-4CG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-4AR34-4AG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR34-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-4AR34-4CG0	7300	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR34-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-4AR34-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 560-4AR34-4CG0	9000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 560-4AR34-4AG0	8700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR34-4CG0	9400	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 562-4AR34-4AG0	9100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR34-4AG0	9500	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-4AR34-4CG0	9800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR34-4AG0	10000	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-4AR34-4CG0	10300	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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Motor type	Weight	Dimensions												
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
6-pole													
1NC1 452-6AR34-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-6AR34-4CG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR34-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-6AR34-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR34-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-6AR34-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 500-6AR34-4CG0	6700	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 500-6AR34-4AG0	6500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR34-4AG0	6900	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-6AR34-4CG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR34-4AG0	7200	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-6AR34-4CG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR34-4AG0	7600	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-6AR34-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-6AR34-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-6AR34-4CG0	10200	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-6AR34-4CG0	10800	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
8-pole													
1NC1 452-8AR34-4AG0	5100	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 452-8AR34-4CG0	5200	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC411 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NC1 454-8AR34-4AG0	5300	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 454-8AR34-4CG0	5500	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR34-4AG0	5700	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 456-8AR34-4CG0	5900	o.r.	431	120	872	1005	2419	o.r.	1080	1000	1150	o.r.	8
1NC1 502-8AR34-4CG0	7000	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 502-8AR34-4AG0	6800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR34-4AG0	7100	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 504-8AR34-4CG0	7400	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR34-4AG0	7500	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 506-8AR34-4CG0	7800	o.r.	431	140	937	1070	2599	o.r.	1180	1120	1250	o.r.	16
1NC1 562-8AR34-4CG0	9600	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 564-8AR34-4CG0	10100	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16
1NC1 566-8AR34-4CG0	10700	o.r.	431	160	997	1130	2753	o.r.	1320	1250	1400	o.r.	16

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SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 690 V - const torque drive																						
600	530	**1NC1 402-2BC00-4AG0**	2980	96.5	0,94	550	1923	3,80	9.0	3600	285	1821	95.5	0,93	100	1634	92.5	0,91	45	1549	87.7	0,92
600	530	**1NC1 402-2BC00-4CG0**	2981	96.4	0,94	550	1922	3,70	11.0	3600	285	1820	95.4	0,93	100	1633	92.4	0,91	45	1548	87.5	0,91
660	580	**1NC1 404-2BC00-4AG0**	2983	96.7	0,94	610	2113	4,40	10.0	3600	310	2002	95.8	0,93	110	1797	93.3	0,91	50	1703	89.1	0,91
660	580	**1NC1 404-2BC00-4CG0**	2983	96.6	0,94	610	2113	4,30	12.0	3600	310	2001	95.7	0,92	110	1796	93.2	0,90	50	1702	89.1	0,90
750	660	**1NC1 406-2BC00-4AG0**	2984	96.9	0,94	690	2400	4,40	11.0	3600	355	2274	96.1	0,92	125	2041	93.9	0,90	60	1934	90.2	0,90
750	660	**1NC1 406-2BC00-4CG0**	2985	96.8	0,93	700	2399	4,30	13.0	3600	355	2273	96.0	0,92	125	2040	93.8	0,90	60	1933	90.2	0,90
800	710	**1NC1 452-2BC00-4AG0**	2985	97.1	0,93	740	2559	2,90	11.0	3600	375	2424	96.4	0,92	135	2175	94.0	0,91	60	2061	90.0	0,91
800	710	**1NC1 452-2BC00-4CG0**	2985	96.9	0,93	740	2559	2,80	15.0	3600	375	2424	96.2	0,92	135	2175	93.9	0,91	60	2061	90.0	0,91
900	790	**1NC1 454-2BC00-4AG0**	2985	97.1	0,94	830	2879	3,10	12.0	3600	425	2725	96.3	0,93	150	2446	93.8	0,92	70	2318	89.8	0,92
900	790	**1NC1 454-2BC00-4CG0**	2985	97.0	0,94	830	2879	3,00	17.0	3600	425	2725	96.2	0,93	150	2446	93.8	0,92	70	2318	89.8	0,92
1000	880	**1NC1 456-2BC00-4AG0**	2987	97.3	0,94	910	3197	3,80	14.0	3600	470	3029	96.6	0,93	170	2719	94.6	0,92	80	2577	91.3	0,92
1000	880	**1NC1 456-2BC00-4CG0**	2988	97.2	0,94	920	3196	3,60	19.0	3600	470	3028	96.5	0,93	170	2718	94.6	0,92	80	2576	91.4	0,92
1120	990	**1NC1 502-2BC00-4CG0**	2986	96.8	0,90	1080	3582	2,90	25.0	3000	530	3392	95.9	0,90	190	3044	93.8	0,89	85	2885	90.3	0,89
1120	990	**1NC1 502-2BC00-4AG0**	2985	96.9	0,89	1080	3583	2,90	19.0	3000	530	3392	96.1	0,89	185	3044	93.8	0,88	85	2885	90.1	0,89
1250	1100	**1NC1 504-2BC00-4CG0**	2989	97.0	0,90	1200	3994	3,60	28.0	3000	590	3781	96.3	0,90	210	3393	94.5	0,89	100	3216	91.7	0,89
1250	1100	**1NC1 504-2BC00-4AG0**	2988	97.1	0,90	1200	3995	3,60	21.0	3000	590	3781	96.4	0,89	210	3393	94.6	0,88	100	3216	91.6	0,88
1400	1230	**1NC1 506-2BC00-4CG0**	2988	97.1	0,91	1320	4474	3,40	31.0	3000	660	4236	96.2	0,91	235	3801	94.3	0,90	110	3603	91.3	0,90
1400	1230	**1NC1 506-2BC00-4AG0**	2987	97.2	0,91	1320	4476	3,60	24.0	3000	660	4237	96.4	0,91	235	3802	94.4	0,90	110	3604	91.1	0,90
1600	1410	**1NC1 564-2BC00-4CG0**	2992	97.1	0,91	1520	5107	3,40	46.0	3000	755	4835	96.4	0,90	270	4339	94.9	0,89	125	4112	92.5	0,89
1800	1590	**1NC1 566-2BC00-4CG0**	2991	97.2	0,92	1680	5747	3,30	51.0	3000	850	5440	96.4	0,91	305	4882	94.7	0,91	140	4628	92.1	0,91
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 690 V - const torque drive																						
710	630	**1NC1 404-4BC00-4AG0**	1490	96.5	0,90	680	4550	3,10	14.0	2600	335	4308	95.0	0,90	120	3866	91.9	0,89	55	3664	87.2	0,89
710	630	**1NC1 404-4BC00-4CG0**	1489	96.5	0,90	680	4553	2,80	19.0	2600	335	4312	95.0	0,89	120	3870	91.8	0,89	55	3668	86.6	0,89
800	710	**1NC1 406-4BC00-4AG0**	1490	96.6	0,91	760	5127	3,10	16.0	2600	375	4854	95.0	0,90	135	4356	92.0	0,90	60	4129	87.4	0,90
800	710	**1NC1 406-4BC00-4CG0**	1489	96.5	0,90	770	5131	2,80	21.0	2600	375	4859	95.1	0,90	135	4361	91.9	0,89	60	4133	86.9	0,90
900	790	**1NC1 452-4BC00-4AG0**	1492	96.8	0,89	870	5760	3,10	22.0	2400	425	5456	95.6	0,88	150	4897	92.9	0,87	70	4641	88.8	0,87
900	790	**1NC1 452-4BC00-4CG0**	1491	96.8	0,88	880	5764	2,80	29.0	2400	425	5457	95.6	0,87	150	4898	92.9	0,86	70	4642	88.6	0,86
1000	880	**1NC1 454-4BC00-4AG0**	1492	96.9	0,90	960	6400	3,30	25.0	2400	470	6060	95.7	0,88	165	5439	93.2	0,87	80	5155	89.3	0,87
1000	880	**1NC1 454-4BC00-4CG0**	1492	96.9	0,89	970	6400	3,00	32.0	2400	470	6060	95.8	0,87	165	5439	93.2	0,86	80	5155	89.3	0,86
1120	990	**1NC1 456-4BC00-4CG0**	1492	97.0	0,89	1080	7168	3,10	37.0	2400	530	6785	95.9	0,88	185	6089	93.5	0,87	85	5771	89.8	0,87
1120	990	**1NC1 456-4BC00-4AG0**	1492	97.0	0,90	1080	7168	3,50	29.0	2400	530	6786	95.8	0,89	185	6090	93.4	0,87	85	5772	89.8	0,87
1140	1010	**1NC1 502-4BC00-4CG0**	1492	96.5	0,87	1140	7296	2,60	35.0	2200	540	6911	95.4	0,86	190	6202	92.5	0,85	90	5878	87.9	0,86
1120	990	**1NC1 502-4BC00-4AG0**	1492	96.4	0,88	1100	7168	3,30	26.0	2200	530	6789	95.2	0,86	185	6093	92.3	0,85	85	5775	87.7	0,85
1250	1100	**1NC1 504-4BC00-4CG0**	1493	96.7	0,86	1260	7995	2,60	40.0	2200	590	7575	95.7	0,86	210	6798	93.3	0,85	100	6444	89.4	0,85

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SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1250	1100	**1NC1 504-4BC00-4AG0**	1492	96.7	0,87	1240	8000	3,30	30.0	2200	590	7575	95.5	0,86	210	6798	93.0	0,85	95	6444	89.1	0,85
1300	1150	**1NC1 506-4BC00-4CG0**	1493	96.8	0,88	1280	8315	2,80	45.0	2200	615	7873	95.7	0,87	220	7066	93.3	0,86	100	6697	89.6	0,86
1300	1150	**1NC1 506-4BC00-4AG0**	1493	96.7	0,89	1260	8315	3,60	35.0	2200	615	7874	95.4	0,88	220	7067	93.0	0,86	100	6698	89.2	0,86
1400	1230	**1NC1 562-4BC00-4CG0**	1493	97.0	0,88	1380	8954	2,70	68.0	2000	660	8482	95.9	0,87	235	7612	93.4	0,86	110	7215	89.5	0,87
1400	1230	**1NC1 562-4BC00-4AG0**	1494	96.9	0,88	1380	8948	3,10	50.0	2000	660	8479	95.9	0,87	235	7609	93.4	0,86	110	7212	89.6	0,87
1600	1410	**1NC1 564-4BC00-4AG0**	1494	97.1	0,89	1540	10227	3,20	55.0	2000	755	9686	96.1	0,87	270	8692	94.1	0,86	125	8239	91.0	0,86
1600	1410	**1NC1 564-4BC00-4CG0**	1494	97.3	0,88	1560	10227	2,80	75.0	2000	755	9688	96.2	0,87	270	8695	94.2	0,86	125	8241	91.0	0,86
1710	1510	**1NC1 566-4BC00-4AG0**	1494	97.2	0,90	1640	10930	3,10	62.0	2000	805	10355	96.1	0,89	285	9293	94.0	0,87	135	8808	90.7	0,88
1700	1500	**1NC1 566-4BC00-4CG0**	1494	97.3	0,89	1640	10866	2,80	83.0	2000	800	10294	96.2	0,88	285	9238	94.0	0,87	135	8756	90.8	0,87
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 690 V - const torque drive																						
560	490	**1NC1 404-6BC00-4AG0**	994	96.1	0,88	550	5380	3,00	25.0	2400	265	5095	94.2	0,88	95	4572	90.6	0,87	45	4334	85.2	0,88
560	490	**1NC1 404-6BC00-4CG0**	993	96.2	0,88	550	5385	2,60	32.0	2400	265	5103	94.5	0,87	95	4579	90.6	0,87	45	4340	84.8	0,88
630	560	**1NC1 406-6BC00-4AG0**	994	96.2	0,89	620	6052	3,00	28.0	2400	295	5732	94.4	0,88	105	5144	90.9	0,88	50	4876	85.6	0,88
630	560	**1NC1 406-6BC00-4CG0**	993	96.3	0,88	620	6058	2,60	37.0	2400	295	5739	94.6	0,88	105	5151	90.9	0,87	50	4882	85.3	0,88
710	630	**1NC1 452-6BC00-4AG0**	994	96.3	0,84	730	6821	3,20	33.0	2200	335	6459	94.5	0,83	120	5796	91.2	0,83	55	5494	86.2	0,83
710	630	**1NC1 452-6BC00-4CG0**	993	96.4	0,84	730	6828	2,80	42.0	2200	335	6466	94.8	0,83	120	5803	91.4	0,83	55	5500	86.2	0,84
800	710	**1NC1 454-6BC00-4AG0**	994	96.4	0,85	820	7686	3,30	38.0	2200	375	7275	94.7	0,83	135	6529	91.6	0,83	60	6188	86.9	0,83
850	750	**1NC1 454-6BC00-4CG0**	993	96.5	0,85	870	8174	2,70	47.0	2200	400	7741	94.9	0,84	140	6947	91.6	0,84	65	6584	86.5	0,85
900	790	**1NC1 456-6BC00-4AG0**	995	96.5	0,84	930	8638	3,90	44.0	2200	425	8175	94.7	0,82	150	7337	91.8	0,80	70	6954	87.5	0,81
900	790	**1NC1 456-6BC00-4CG0**	995	96.7	0,85	920	8638	3,40	55.0	2200	425	8179	95.1	0,83	150	7340	92.3	0,82	70	6957	88.0	0,82
1000	880	**1NC1 500-6BC00-4CG0**	993	96.5	0,86	1000	9617	1,90	57.0	2100	470	9105	95.2	0,86	165	8171	91.7	0,87	75	7744	86.5	0,88
1000	880	**1NC1 500-6BC00-4AG0**	991	96.2	0,83	1040	9636	2,00	44.0	2100	470	9128	94.6	0,84	165	8192	90.6	0,85	75	7764	84.5	0,86
1120	990	**1NC1 502-6BC00-4AG0**	992	96.5	0,83	1180	10781	2,20	50.0	2100	525	10209	95.1	0,83	185	9162	91.7	0,84	85	8684	86.5	0,85
1120	990	**1NC1 502-6BC00-4CG0**	994	96.8	0,86	1120	10760	2,10	65.0	2100	530	10191	95.6	0,86	185	9146	92.8	0,86	85	8668	88.3	0,87
1250	1100	**1NC1 504-6BC00-4CG0**	994	96.7	0,87	1240	12009	2,00	74.0	2100	590	11379	95.5	0,87	210	10212	92.4	0,88	95	9679	87.6	0,88
1250	1100	**1NC1 504-6BC00-4AG0**	992	96.5	0,85	1280	12033	2,10	57.0	2100	590	11402	95.0	0,86	205	10233	91.3	0,86	95	9699	85.8	0,87
1400	1230	**1NC1 506-6BC00-4CG0**	994	96.9	0,87	1380	13450	2,10	83.0	2100	660	12733	95.6	0,87	235	11427	92.8	0,88	110	10830	88.6	0,88
1400	1230	**1NC1 506-6BC00-4AG0**	993	96.7	0,86	1400	13463	2,30	65.0	2100	660	12759	95.1	0,86	235	11451	91.8	0,86	105	10853	87.0	0,87
1550	1370	**1NC1 562-6BC00-4CG0**	994	97.0	0,87	1540	14891	2,30	116.0	2000	730	14099	95.9	0,88	260	12653	93.0	0,89	120	11993	88.6	0,89
1700	1500	**1NC1 564-6BC00-4CG0**	995	97.2	0,87	1680	16315	2,70	132.0	2000	800	15445	96.0	0,87	285	13861	93.6	0,88	135	13137	90.0	0,88
1950	1720	**1NC1 566-6BC00-4CG0**	996	97.3	0,86	1940	18696	3,20	147.0	2000	920	17699	96.1	0,86	325	15884	94.1	0,86	155	15055	91.0	0,85
8-pole: n_{sync} = 750 rpm at - 50 Hz - 690 V - const torque drive																						
410	360	**1NC1 404-8BC00-4AG0**	744	95.8	0,83	430	5262	3,10	26.0	2400	195	4983	93.1	0,82	70	4472	88.3	0,80	30	4239	81.6	0,81
410	360	**1NC1 404-8BC00-4CG0**	743	95.7	0,82	435	5269	2,70	32.0	2400	195	4994	93.1	0,81	70	4482	88.0	0,80	30	4248	80.6	0,81
480	420	**1NC1 406-8BC00-4AG0**	744	95.8	0,85	495	6161	2,80	29.0	2400	225	5841	93.1	0,84	80	5242	88.2	0,83	35	4968	81.0	0,83

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SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz B3 (IM 1001) - VSD const torque

Rated power IEC		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
480	420	**1NC1 406-8BC00-4CG0**	742	95.6	0,83	510	6177	2,40	36.0	2400	225	5852	93.0	0,82	80	5252	87.7	0,81	35	4978	79.9	0,82
560	490	**1NC1 452-8BC00-4AG0**	744	95.9	0,78	630	7188	2,60	33.0	2200	265	6813	93.4	0,77	95	6114	88.8	0,78	45	5795	82.1	0,79
560	490	**1NC1 452-8BC00-4CG0**	742	95.8	0,78	630	7207	2,60	41.0	2200	265	6829	93.4	0,77	90	6128	88.4	0,78	40	5808	81.0	0,79
660	580	**1NC1 454-8BC00-4AG0**	744	95.9	0,80	720	8471	2,60	38.0	2200	310	8029	93.5	0,79	110	7206	88.9	0,79	50	6830	82.2	0,80
660	580	**1NC1 454-8BC00-4CG0**	742	95.8	0,79	730	8494	2,60	47.0	2200	310	8045	93.5	0,79	110	7220	88.6	0,79	50	6843	81.3	0,80
720	640	**1NC1 456-8BC00-4AG0**	745	96.0	0,80	780	9229	2,90	45.0	2200	340	8746	93.6	0,78	120	7849	89.3	0,78	55	7439	83.0	0,79
720	640	**1NC1 456-8BC00-4CG0**	744	96.0	0,80	780	9241	2,90	55.0	2200	340	8759	93.7	0,79	120	7861	89.2	0,79	55	7450	82.6	0,80
800	710	**1NC1 502-8BC00-4CG0**	744	95.8	0,85	820	10268	2,00	65.0	2100	375	9732	94.3	0,84	135	8734	90.5	0,83	60	8278	84.4	0,84
800	710	**1NC1 502-8BC00-4AG0**	743	95.7	0,80	870	10282	1,70	50.0	2100	375	9743	94.1	0,80	130	8744	89.8	0,80	60	8288	83.0	0,81
900	790	**1NC1 504-8BC00-4AG0**	744	96.0	0,80	980	11552	1,90	56.0	2100	425	10948	94.4	0,80	150	9825	90.7	0,80	70	9312	84.9	0,80
900	790	**1NC1 504-8BC00-4CG0**	744	96.0	0,85	920	11552	2,20	73.0	2100	425	10934	94.5	0,83	150	9812	91.2	0,83	70	9300	85.9	0,83
1000	880	**1NC1 506-8BC00-4AG0**	744	96.1	0,81	1080	12835	2,10	64.0	2100	470	12152	94.5	0,80	165	10905	91.0	0,80	75	10336	85.6	0,80
1000	880	**1NC1 506-8BC00-4CG0**	745	96.0	0,85	1020	12818	2,40	83.0	2100	470	12140	94.5	0,83	165	10895	91.3	0,82	75	10327	86.4	0,82
1200	1060	**1NC1 562-8BC00-4CG0**	744	96.6	0,85	1220	15402	2,10	115.0	2000	565	14581	95.2	0,85	200	13086	92.0	0,85	90	12402	87.2	0,85
1350	1190	**1NC1 564-8BC00-4CG0**	745	96.7	0,85	1380	17304	2,20	132.0	2000	635	16391	95.3	0,85	225	14710	92.2	0,85	105	13942	87.5	0,85
1500	1320	**1NC1 566-8BC00-4CG0**	745	96.8	0,85	1520	19227	2,10	147.0	2000	705	18224	95.4	0,85	250	16355	92.2	0,86	115	15501	87.4	0,86

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 402-2BC00-4AG0	3505	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 402-2BC00-4CG0	3605	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-2BC00-4AG0	3705	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-2BC00-4CG0	3705	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-2BC00-4AG0	3805	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-2BC00-4CG0	3905	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-2BC00-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-2BC00-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-2BC00-4AG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-2BC00-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-2BC00-4AG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-2BC00-4CG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-2BC00-4CG0	6075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-2BC00-4AG0	5875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-2BC00-4CG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-2BC00-4AG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-2BC00-4CG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-2BC00-4AG0	6575	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-2BC00-4CG0	8195	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-2BC00-4CG0	8595	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
4-pole																			
1NC1 404-4BC00-4AG0	3705	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-4BC00-4CG0	3805	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC00-4AG0	3905	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC00-4CG0	4005	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC00-4AG0	4725	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC00-4CG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC00-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC00-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC00-4CG0	5525	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC00-4AG0	5325	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC00-4CG0	6075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC00-4AG0	5875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC00-4CG0	6575	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC00-4AG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC00-4CG0	6975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 506-4BC00-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC00-4CG0	8295	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC00-4AG0	7995	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC00-4AG0	8495	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC00-4CG0	8795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC00-4AG0	8995	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC00-4CG0	9295	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole																			
1NC1 404-6BC00-4AG0	3905	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-6BC00-4CG0	4005	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC00-4AG0	4105	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC00-4CG0	4305	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC00-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC00-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC00-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC00-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC00-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC00-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC00-4CG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC00-4AG0	5775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC00-4AG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC00-4CG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC00-4CG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC00-4AG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC00-4CG0	7175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC00-4AG0	6875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BC00-4CG0	8595	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-6BC00-4CG0	9195	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BC00-4CG0	9895	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole																			
1NC1 404-8BC00-4AG0	3805	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-8BC00-4CG0	4005	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC00-4AG0	4105	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC00-4CG0	4205	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC00-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC00-4CG0	4725	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC00-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 454-8BC00-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC00-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC00-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC00-4CG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC00-4AG0	6075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC00-4AG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC00-4CG0	6675	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC00-4AG0	6875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC00-4CG0	7075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BC00-4CG0	8695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BC00-4CG0	9195	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BC00-4CG0	9795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
2-pole													
1NC1 402-2BC04-4AG0	4100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 402-2BC04-4CG0	4200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-2BC04-4AG0	4200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-2BC04-4CG0	4300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-2BC04-4AG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-2BC04-4CG0	4500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
4-pole													
1NC1 404-4BC04-4AG0	4300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-4BC04-4CG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC04-4AG0	4500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC04-4CG0	4600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC04-4AG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC04-4CG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC04-4AG0	5600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC04-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC04-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC04-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC04-4CG0	7100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC04-4AG0	6900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC04-4CG0	7600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC04-4AG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC04-4CG0	8000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC04-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC04-4CG0	9600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC04-4AG0	9300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC04-4AG0	9700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC04-4CG0	10100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC04-4AG0	10200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC04-4CG0	10600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole													
1NC1 404-6BC04-4AG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-6BC04-4CG0	4600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC04-4AG0	4700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC04-4CG0	4900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC04-4AG0	5300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC04-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 454-6BC04-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC04-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC04-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC04-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC04-4CG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC04-4AG0	6800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC04-4AG0	7200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC04-4CG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC04-4CG0	7700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC04-4AG0	7500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC04-4CG0	8200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC04-4AG0	7900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BC04-4CG0	9900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-6BC04-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BC04-4CG0	11100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole													
1NC1 404-8BC04-4AG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-8BC04-4CG0	4600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC04-4AG0	4700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC04-4CG0	4800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC04-4AG0	5200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC04-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC04-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC04-4CG0	5600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC04-4AG0	5800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC04-4CG0	6000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC04-4CG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC04-4AG0	7100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC04-4AG0	7500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC04-4CG0	7700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC04-4AG0	7900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC04-4CG0	8100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BC04-4CG0	9900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BC04-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BC04-4CG0	11100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 690 V - const torque drive																						
680	600	**1NC1 402-2BC10-4AG0**	3583	96.4	0,94	630	1812	4,10	9.0	3600	320	1718	95.8	0,92	115	1541	93.6	0,90	55	1461	89.9	0,90
680	600	**1NC1 402-2BC10-4CG0**	3583	96.3	0,93	640	1812	4,00	11.0	3600	320	1718	95.6	0,92	115	1541	93.4	0,90	55	1461	89.7	0,90
770	680	**1NC1 404-2BC10-4AG0**	3583	96.7	0,94	710	2052	4,20	10.0	3600	365	1944	96.1	0,92	130	1744	94.2	0,90	60	1653	90.9	0,90
770	680	**1NC1 404-2BC10-4CG0**	3584	96.6	0,93	720	2052	4,20	12.0	3600	365	1944	95.9	0,92	130	1744	94.0	0,90	60	1653	90.8	0,90
870	770	**1NC1 406-2BC10-4AG0**	3583	96.7	0,94	800	2319	4,50	11.0	3600	410	2196	96.0	0,93	145	1971	94.0	0,91	70	1868	90.6	0,91
870	770	**1NC1 406-2BC10-4CG0**	3584	96.6	0,94	800	2318	4,40	13.0	3600	410	2195	95.9	0,93	145	1970	93.9	0,91	70	1867	90.6	0,91
900	790	**1NC1 452-2BC10-4CG0**	3583	96.7	0,94	830	2399	2,70	16.0	3600	425	2270	96.1	0,93	150	2037	93.9	0,92	70	1931	90.2	0,92
1000	880	**1NC1 454-2BC10-4CG0**	3588	97.0	0,94	920	2661	3,50	18.0	3600	470	2522	96.4	0,93	170	2263	94.9	0,91	80	2145	92.1	0,91
1120	990	**1NC1 456-2BC10-4CG0**	3585	97.0	0,94	1020	2983	3,00	20.0	3600	530	2824	96.4	0,94	190	2534	94.4	0,92	90	2402	91.1	0,93
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 690 V - const torque drive																						
800	710	**1NC1 404-4BC10-4AG0**	1790	96.5	0,90	770	4268	2,90	14.0	2600	375	4041	95.1	0,90	135	3626	92.5	0,89	60	3437	88.3	0,90
800	710	**1NC1 404-4BC10-4CG0**	1788	96.5	0,90	770	4273	2,60	19.0	2600	375	4046	95.2	0,89	135	3631	92.3	0,89	60	3442	87.7	0,89
900	790	**1NC1 406-4BC10-4AG0**	1791	96.6	0,90	870	4799	3,10	16.0	2600	425	4543	95.1	0,90	150	4077	92.7	0,89	70	3865	88.7	0,89
900	790	**1NC1 406-4BC10-4CG0**	1790	96.6	0,90	870	4801	2,80	21.0	2600	425	4548	95.3	0,89	150	4082	92.6	0,89	70	3869	88.4	0,89
1000	880	**1NC1 452-4BC10-4AG0**	1792	96.8	0,90	960	5329	3,20	22.0	2400	470	5047	95.7	0,88	170	4529	93.5	0,87	80	4293	90.1	0,87
1000	880	**1NC1 452-4BC10-4CG0**	1791	96.8	0,89	970	5332	2,90	29.0	2400	470	5047	95.7	0,88	170	4529	93.5	0,86	80	4293	90.0	0,86
1120	990	**1NC1 454-4BC10-4AG0**	1793	96.9	0,89	1080	5965	3,80	25.0	2400	530	5648	95.6	0,88	190	5068	93.7	0,86	90	4804	90.7	0,86
1120	990	**1NC1 454-4BC10-4CG0**	1793	96.9	0,89	1080	5965	3,40	32.0	2400	530	5648	95.8	0,87	190	5068	93.8	0,85	90	4804	90.7	0,85
1250	1100	**1NC1 456-4BC10-4AG0**	1793	97.0	0,90	1200	6657	3,80	29.0	2400	590	6302	95.8	0,88	210	5656	94.1	0,87	100	5361	91.3	0,86
1250	1100	**1NC1 456-4BC10-4CG0**	1793	97.0	0,89	1220	6657	3,40	37.0	2400	590	6302	96.0	0,88	210	5656	94.2	0,86	100	5361	91.3	0,86
1250	1100	**1NC1 502-4BC10-4CG0**	1792	96.5	0,86	1260	6661	2,40	35.0	2200	590	6307	95.6	0,85	210	5660	93.4	0,84	100	5365	89.9	0,85
1200	1060	**1NC1 502-4BC10-4AG0**	1792	96.4	0,87	1200	6395	3,10	26.0	2200	565	6055	95.4	0,86	200	5434	93.3	0,84	95	5151	89.9	0,85
1300	1150	**1NC1 504-4BC10-4CG0**	1792	96.6	0,88	1280	6928	2,60	40.0	2200	615	6560	95.5	0,87	220	5887	93.5	0,86	100	5580	90.1	0,86
1300	1150	**1NC1 504-4BC10-4AG0**	1792	96.5	0,89	1260	6928	3,20	30.0	2200	615	6559	95.3	0,88	220	5886	93.2	0,87	100	5579	89.9	0,87
1500	1320	**1NC1 506-4BC10-4AG0**	1793	96.7	0,88	1480	7989	3,70	35.0	2200	710	7563	95.5	0,87	250	6787	93.7	0,85	120	6433	90.9	0,85
1500	1320	**1NC1 506-4BC10-4CG0**	1794	96.8	0,87	1500	7984	2,90	45.0	2200	710	7562	95.8	0,86	250	6787	94.0	0,85	120	6432	91.3	0,85
1600	1410	**1NC1 562-4BC10-4CG0**	1793	97.0	0,88	1560	8521	2,60	68.0	2000	755	8069	96.0	0,87	270	7242	94.3	0,86	125	6864	91.5	0,86
1600	1410	**1NC1 562-4BC10-4AG0**	1794	96.9	0,88	1580	8517	3,00	50.0	2000	755	8068	95.9	0,87	270	7241	94.2	0,86	125	6863	91.5	0,86
1800	1590	**1NC1 564-4BC10-4AG0**	1794	97.0	0,88	1760	9581	3,20	55.0	2000	850	9072	96.0	0,87	305	8142	94.3	0,86	140	7717	91.5	0,86
1800	1590	**1NC1 564-4BC10-4CG0**	1794	97.1	0,88	1760	9581	2,80	75.0	2000	850	9073	96.1	0,87	305	8143	94.4	0,85	140	7718	91.5	0,86
2000	1760	**1NC1 566-4BC10-4AG0**	1793	97.1	0,89	1940	10652	3,00	62.0	2000	945	10079	96.1	0,88	335	9046	94.2	0,87	155	8573	91.1	0,88
2000	1760	**1NC1 566-4BC10-4CG0**	1793	97.2	0,89	1940	10652	2,60	83.0	2000	945	10087	96.1	0,88	335	9052	94.2	0,87	155	8580	91.1	0,88
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 690 V - const torque drive																						
630	560	**1NC1 404-6BC10-4AG0**	1194	96.3	0,89	620	5039	3,10	25.0	2400	295	4769	94.3	0,88	105	4280	91.3	0,87	50	4057	86.9	0,88

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SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
630	560	**1NC1 404-6BC10-4CG0**	1193	96.3	0,88	620	5043	2,70	32.0	2400	295	4774	94.7	0,87	105	4285	91.5	0,87	50	4061	86.7	0,87
710	630	**1NC1 406-6BC10-4AG0**	1195	96.4	0,89	690	5674	3,30	28.0	2400	335	5372	94.3	0,88	120	4821	91.6	0,87	55	4570	87.8	0,87
710	630	**1NC1 406-6BC10-4CG0**	1194	96.5	0,88	700	5678	2,90	37.0	2400	335	5378	94.9	0,87	120	4826	92.1	0,87	55	4574	87.9	0,87
800	710	**1NC1 452-6BC10-4AG0**	1194	96.4	0,85	820	6398	3,00	33.0	2200	375	6059	94.8	0,84	135	5438	92.1	0,83	60	5154	87.9	0,84
800	710	**1NC1 452-6BC10-4CG0**	1193	96.6	0,84	820	6404	2,70	42.0	2200	375	6063	95.0	0,84	135	5441	92.2	0,84	60	5157	87.8	0,84
900	790	**1NC1 454-6BC10-4AG0**	1195	96.5	0,84	930	7192	3,70	38.0	2200	425	6809	94.6	0,82	150	6110	92.2	0,81	70	5792	88.5	0,81
900	790	**1NC1 454-6BC10-4CG0**	1194	96.7	0,85	920	7198	3,20	47.0	2200	425	6813	95.1	0,83	150	6115	92.7	0,82	70	5796	88.9	0,82
1000	880	**1NC1 456-6BC10-4AG0**	1195	96.6	0,85	1020	7991	3,80	44.0	2200	470	7564	94.9	0,83	170	6788	92.7	0,81	80	6434	89.3	0,81
1000	880	**1NC1 456-6BC10-4CG0**	1195	96.8	0,85	1020	7991	3,30	55.0	2200	470	7567	95.3	0,83	170	6791	93.2	0,82	80	6436	89.7	0,82
1120	990	**1NC1 500-6BC10-4CG0**	1194	96.8	0,86	1120	8957	2,10	57.0	2100	530	8484	95.7	0,86	190	7614	93.2	0,86	85	7216	89.3	0,87
1120	990	**1NC1 500-6BC10-4AG0**	1192	96.6	0,83	1160	8972	2,20	44.0	2100	530	8497	95.2	0,83	185	7626	92.3	0,84	85	7228	87.8	0,84
1250	1100	**1NC1 502-6BC10-4CG0**	1194	96.9	0,86	1260	9997	2,10	65.0	2100	590	9467	95.8	0,86	210	8496	93.5	0,86	100	8053	89.9	0,87
1250	1100	**1NC1 502-6BC10-4AG0**	1192	96.7	0,83	1300	10014	2,20	50.0	2100	590	9481	95.3	0,84	210	8509	92.5	0,84	95	8065	88.4	0,85
1400	1230	**1NC1 504-6BC10-4CG0**	1195	97.0	0,86	1400	11187	2,50	74.0	2100	660	10591	95.9	0,85	235	9505	93.8	0,85	110	9009	90.6	0,85
1400	1230	**1NC1 504-6BC10-4AG0**	1194	96.8	0,84	1440	11197	2,60	57.0	2100	660	10611	95.4	0,84	235	9523	92.9	0,84	110	9026	89.3	0,84
1600	1410	**1NC1 506-6BC10-4AG0**	1193	96.8	0,86	1600	12807	2,40	65.0	2100	755	12135	95.3	0,86	265	10890	92.6	0,86	125	10322	88.7	0,86
1500	1320	**1NC1 506-6BC10-4CG0**	1195	97.0	0,87	1480	11987	2,40	83.0	2100	710	11348	95.8	0,87	250	10184	93.6	0,87	120	9653	90.4	0,87
1700	1500	**1NC1 562-6BC10-4CG0**	1195	97.1	0,87	1680	13585	2,80	116.0	2000	800	12858	95.8	0,87	285	11539	93.8	0,87	135	10937	90.7	0,87
1900	1670	**1NC1 564-6BC10-4CG0**	1196	97.2	0,86	1900	15170	3,20	132.0	2000	895	14361	95.9	0,86	320	12888	94.1	0,86	150	12216	91.6	0,85
2050	1810	**1NC1 566-6BC10-4CG0**	1196	97.3	0,87	2050	16368	2,90	147.0	2000	970	15501	95.9	0,87	345	13911	94.1	0,87	160	13185	91.3	0,87
8-pole: n_{sync} = 900 rpm at - 60 Hz - 690 V - const torque drive																						
470	410	**1NC1 404-8BC10-4AG0**	895	96.1	0,82	500	5015	3,40	26.0	2400	220	4750	93.2	0,80	80	4262	89.5	0,79	35	4040	84.2	0,79
470	410	**1NC1 404-8BC10-4CG0**	894	96.1	0,81	510	5020	2,90	32.0	2400	220	4758	93.5	0,80	80	4270	89.6	0,78	35	4047	83.8	0,79
530	470	**1NC1 406-8BC10-4AG0**	895	96.2	0,83	560	5655	3,40	29.0	2400	250	5357	93.4	0,82	90	4808	89.8	0,80	40	4557	84.7	0,80
530	470	**1NC1 406-8BC10-4CG0**	894	96.2	0,82	560	5661	2,90	36.0	2400	250	5365	93.7	0,81	90	4815	89.9	0,79	40	4563	84.3	0,80
710	630	**1NC1 452-8BC10-4AG0**	893	96.0	0,79	780	7592	2,20	33.0	2200	335	7192	93.6	0,79	120	6454	89.3	0,80	55	6118	82.8	0,81
710	630	**1NC1 452-8BC10-4CG0**	891	95.8	0,78	800	7609	2,20	41.0	2200	335	7207	93.4	0,79	115	6468	88.7	0,80	55	6130	81.5	0,81
800	710	**1NC1 454-8BC10-4AG0**	893	96.1	0,80	870	8555	2,20	38.0	2200	375	8103	93.7	0,80	135	7272	89.6	0,81	60	6893	83.3	0,82
800	710	**1NC1 454-8BC10-4CG0**	891	96.0	0,80	870	8574	2,30	47.0	2200	375	8118	93.6	0,80	130	7286	89.1	0,81	60	6906	82.1	0,82
900	790	**1NC1 456-8BC10-4CG0**	894	96.4	0,79	990	9613	2,90	55.0	2200	425	9110	94.2	0,78	150	8176	90.8	0,77	70	7749	85.5	0,78
900	790	**1NC1 456-8BC10-4AG0**	895	96.3	0,79	990	9603	2,90	45.0	2200	425	9097	94.0	0,77	150	8164	90.6	0,76	70	7738	85.7	0,77
900	790	**1NC1 502-8BC10-4CG0**	894	96.0	0,85	920	9613	2,10	65.0	2100	425	9105	94.6	0,84	150	8172	91.6	0,83	70	7745	86.8	0,83
900	790	**1NC1 502-8BC10-4AG0**	893	96.0	0,80	980	9624	1,80	50.0	2100	425	9114	94.5	0,79	150	8179	91.2	0,79	70	7752	85.9	0,80
1050	930	**1NC1 504-8BC10-4AG0**	893	96.1	0,81	1120	11228	1,80	56.0	2100	495	10631	94.6	0,80	175	9541	91.3	0,80	80	9043	86.2	0,81
1000	880	**1NC1 504-8BC10-4CG0**	894	96.0	0,85	1020	10682	2,20	73.0	2100	470	10110	94.6	0,84	165	9074	91.7	0,83	75	8600	87.3	0,83

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SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz B3 (IM 1001) - VSD const torque

Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/F								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 690 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
1120	990	**1NC1 506-8BC10-4AG0**	894	96.2	0,82	1180	11963	1,90	64.0	2100	525	11337	94.6	0,81	185	10174	91.5	0,81	85	9643	86.5	0,81
1120	990	**1NC1 506-8BC10-4CG0**	894	96.1	0,85	1140	11963	2,20	83.0	2100	530	11325	94.6	0,84	185	10163	91.7	0,83	85	9633	87.3	0,84
1250	1100	**1NC1 562-8BC10-4CG0**	895	96.6	0,84	1280	13337	2,30	115.0	2000	590	12631	95.4	0,84	210	11336	92.7	0,84	95	10744	88.7	0,85
1500	1320	**1NC1 564-8BC10-4CG0**	895	96.7	0,85	1520	16004	2,10	132.0	2000	705	15166	95.4	0,85	250	13610	92.6	0,85	115	12900	88.5	0,86
1700	1500	**1NC1 566-8BC10-4CG0**	895	96.8	0,85	1720	18138	2,20	147.0	2000	800	17180	95.3	0,85	285	15418	92.7	0,85	130	14614	88.9	0,85

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 402-2BC10-4AG0	3505	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 402-2BC10-4CG0	3605	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-2BC10-4AG0	3705	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-2BC10-4CG0	3705	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-2BC10-4AG0	3805	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-2BC10-4CG0	3905	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-2BC10-4CG0	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-2BC10-4CG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-2BC10-4CG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
4-pole																			
1NC1 404-4BC10-4AG0	3705	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-4BC10-4CG0	3805	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC10-4AG0	3905	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC10-4CG0	4005	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC10-4AG0	4725	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC10-4CG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC10-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC10-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC10-4AG0	5325	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC10-4CG0	5525	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC10-4CG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC10-4AG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC10-4CG0	6575	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC10-4AG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC10-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC10-4CG0	6975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC10-4CG0	8395	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC10-4AG0	8095	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC10-4AG0	8395	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC10-4CG0	8695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC10-4AG0	8895	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC10-4CG0	9295	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole																			
1NC1 404-6BC10-4AG0	3905	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-6BC10-4CG0	4005	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC10-4AG0	4105	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 406-6BC10-4CG0	4305	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC10-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC10-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC10-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC10-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC10-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC10-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC10-4CG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC10-4AG0	5775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC10-4CG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC10-4AG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC10-4CG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC10-4AG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC10-4AG0	6875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC10-4CG0	7175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BC10-4CG0	8595	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-6BC10-4CG0	9295	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BC10-4CG0	9795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole																			
1NC1 404-8BC10-4AG0	3805	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-8BC10-4CG0	4005	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC10-4AG0	4105	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC10-4CG0	4205	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC10-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC10-4CG0	4725	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC10-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC10-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC10-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC10-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC10-4CG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC10-4AG0	6075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC10-4AG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC10-4CG0	6675	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC10-4AG0	6875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC10-4CG0	7175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BC10-4CG0	8595	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BC10-4CG0	9195	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions																	
		A	AD	AD’	AE	AE’	AG	AG’	B	C	D	E	H	HB	HB’	HD	HD’	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 566-8BC10-4CG0	9795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NC1 404-4BC14-4AG0	4300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-4BC14-4CG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC14-4AG0	4500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-4BC14-4CG0	4600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC14-4AG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BC14-4CG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC14-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BC14-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC14-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BC14-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC14-4CG0	7200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BC14-4AG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC14-4CG0	7600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BC14-4AG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC14-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BC14-4CG0	8000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC14-4CG0	9600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BC14-4AG0	9300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC14-4AG0	9700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BC14-4CG0	10000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC14-4AG0	10100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BC14-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole													
1NC1 404-6BC14-4AG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-6BC14-4CG0	4600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC14-4AG0	4700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-6BC14-4CG0	4900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC14-4AG0	5300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BC14-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC14-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BC14-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC14-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BC14-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC14-4CG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BC14-4AG0	6800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BC14-4CG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 690 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NC1 502-6BC14-4AG0	7200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC14-4CG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BC14-4AG0	7500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC14-4AG0	7900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BC14-4CG0	8100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BC14-4CG0	9900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-6BC14-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BC14-4CG0	11100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole													
1NC1 404-8BC14-4AG0	4400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 404-8BC14-4CG0	4600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC14-4AG0	4700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 406-8BC14-4CG0	4800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC14-4AG0	5200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BC14-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC14-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BC14-4CG0	5600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC14-4CG0	6000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BC14-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC14-4CG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BC14-4AG0	7100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC14-4AG0	7500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BC14-4CG0	7700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC14-4AG0	7900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BC14-4CG0	8200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BC14-4CG0	9900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BC14-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BC14-4CG0	11100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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SIMOTICS HV C - 1NC1 IC416 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3000 rpm at - 50 Hz - 4160 V - const torque drive																						
	800	**1NC1 452-2BR40-4AG0**	2984	96.8	0,90	128	2560	2,50	11.0	3600	375	2424	96.2	0,89	135	2176	93.5	0,88	65	2062	90.6	0,88
	800	**1NC1 452-2BR40-4CG0**	2980	96.5	0,89	130	2564	2,20	15.0	3600	375	2429	95.9	0,89	135	2180	92.9	0,88	60	2066	89.7	0,88
	900	**1NC1 454-2BR40-4AG0**	2987	97.1	0,91	142	2877	3,10	13.0	3600	425	2724	96.6	0,90	150	2445	94.3	0,88	70	2317	91.7	0,87
	900	**1NC1 454-2BR40-4CG0**	2984	96.8	0,91	142	2880	2,60	17.0	3600	425	2728	96.3	0,90	150	2448	93.8	0,88	70	2321	91.0	0,87
	1000	**1NC1 456-2BR40-4AG0**	2987	97.1	0,91	158	3197	3,30	14.0	3600	470	3026	96.7	0,90	170	2716	94.5	0,89	80	2574	92.0	0,87
	1000	**1NC1 456-2BR40-4CG0**	2985	96.9	0,91	158	3199	2,70	19.0	3600	470	3031	96.5	0,90	165	2720	94.0	0,89	80	2578	91.3	0,87
	1120	**1NC1 502-2BR40-4CG0**	2987	96.9	0,89	180	3581	2,80	24.0	3000	530	3391	96.7	0,89	190	3043	94.7	0,88	90	2884	92.4	0,86
	1120	**1NC1 502-2BR40-4AG0**	2987	97.0	0,89	180	3581	3,00	19.0	3000	530	3391	96.7	0,89	190	3043	94.8	0,88	90	2884	92.5	0,86
	1200	**1NC1 504-2BR40-4AG0**	2988	97.1	0,90	190	3835	3,40	21.0	3000	565	3631	96.9	0,90	200	3259	95.1	0,88	95	3089	92.9	0,87
	1200	**1NC1 504-2BR40-4CG0**	2989	97.0	0,90	190	3834	3,10	27.0	3000	565	3631	96.9	0,90	200	3259	95.0	0,88	95	3089	92.8	0,86
	1350	**1NC1 506-2BR40-4AG0**	2988	97.2	0,91	210	4314	3,50	24.0	3000	635	4084	97.0	0,90	225	3665	95.2	0,89	105	3474	93.2	0,87
	1350	**1NC1 506-2BR40-4CG0**	2989	97.1	0,90	215	4313	3,00	31.0	3000	635	4084	97.0	0,90	225	3665	95.2	0,89	105	3474	93.1	0,87
	1500	**1NC1 564-2BR40-4CG0**	2991	97.1	0,91	235	4789	3,00	46.0	3000	710	4534	97.2	0,91	255	4069	95.8	0,90	120	3856	94.0	0,87
	1700	**1NC1 566-2BR40-4CG0**	2991	97.2	0,91	265	5428	3,00	51.0	3000	805	5139	97.3	0,91	285	4612	95.9	0,90	135	4371	94.2	0,88
4-pole: n_{sync} = 1500 rpm at - 50 Hz - 4160 V - const torque drive																						
	800	**1NC1 452-4BR40-4AG0**	1493	96.6	0,84	136	5117	3,20	18.0	2400	375	4847	96.2	0,83	135	4350	93.4	0,80	65	4123	89.7	0,73
	800	**1NC1 452-4BR40-4CG0**	1493	96.7	0,83	138	5117	2,70	23.0	2400	375	4849	96.2	0,83	135	4352	93.5	0,80	65	4124	90.3	0,75
	900	**1NC1 454-4BR40-4AG0**	1493	96.7	0,84	154	5756	3,50	20.0	2400	425	5450	96.3	0,84	150	4891	93.4	0,80	70	4636	89.5	0,72
	900	**1NC1 454-4BR40-4CG0**	1493	96.7	0,84	154	5756	2,90	26.0	2400	425	5452	96.3	0,83	150	4893	93.6	0,81	70	4637	90.3	0,75
	1000	**1NC1 456-4BR40-4AG0**	1493	96.8	0,86	166	6396	3,40	23.0	2400	470	6056	96.4	0,85	170	5435	93.5	0,82	80	5152	90.0	0,76
	1000	**1NC1 456-4BR40-4CG0**	1493	96.8	0,85	168	6396	2,80	30.0	2400	470	6057	96.4	0,84	170	5436	93.8	0,82	80	5152	90.7	0,77
	1050	**1NC1 502-4BR40-4CG0**	1493	96.6	0,86	176	6716	2,40	35.0	2200	495	6360	96.3	0,85	175	5708	93.9	0,84	85	5410	91.0	0,80
	1050	**1NC1 502-4BR40-4AG0**	1493	96.6	0,87	174	6716	3,00	26.0	2200	495	6362	96.2	0,86	175	5710	93.7	0,84	80	5412	90.4	0,79
	1160	**1NC1 504-4BR40-4CG0**	1493	96.8	0,86	194	7419	2,50	40.0	2200	545	7029	96.4	0,86	195	6308	94.1	0,85	90	5979	91.4	0,81
	1160	**1NC1 504-4BR40-4AG0**	1493	96.7	0,87	192	7419	3,10	30.0	2200	545	7027	96.4	0,87	195	6307	93.8	0,85	90	5977	90.7	0,80
	1250	**1NC1 506-4BR40-4CG0**	1494	96.9	0,87	205	7990	2,70	45.0	2200	590	7569	96.7	0,87	210	6792	94.5	0,85	100	6438	92.0	0,81
	1250	**1NC1 506-4BR40-4AG0**	1494	96.8	0,88	205	7990	3,40	35.0	2200	590	7569	96.6	0,87	210	6792	94.3	0,85	100	6438	91.4	0,80
	1350	**1NC1 560-4BR40-4CG0**	1494	97.1	0,85	225	8629	2,40	60.0	2000	635	8176	96.8	0,85	225	7338	94.7	0,83	105	6955	92.3	0,80
	1350	**1NC1 560-4BR40-4AG0**	1494	97.0	0,86	225	8629	2,80	44.0	2000	635	8171	96.8	0,85	225	7333	94.7	0,83	105	6951	92.0	0,78
	1550	**1NC1 562-4BR40-4CG0**	1494	97.3	0,86	255	9907	2,50	68.0	2000	730	9383	97.1	0,85	260	8420	95.1	0,83	125	7981	92.9	0,79
	1550	**1NC1 562-4BR40-4AG0**	1495	97.2	0,86	255	9901	2,90	50.0	2000	730	9379	97.0	0,86	260	8417	95.1	0,83	125	7978	92.6	0,77
	1750	**1NC1 564-4BR40-4AG0**	1495	97.3	0,87	285	11178	3,10	55.0	2000	825	10587	97.1	0,86	295	9502	95.1	0,84	140	9006	92.6	0,77
	1750	**1NC1 564-4BR40-4CG0**	1495	97.4	0,87	285	11178	2,70	75.0	2000	825	10589	97.2	0,86	295	9503	95.2	0,84	140	9007	93.0	0,79
	1950	**1NC1 566-4BR40-4AG0**	1495	97.4	0,88	315	12456	3,20	62.0	2000	920	11797	97.2	0,87	330	10587	95.1	0,84	155	10034	92.6	0,78

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SIMOTICS HV C - 1NC1 IC416 4160 V / 50 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1950	**1NC1 566-4BR40-4CG0**	1495	97.5	0,87	320	12456	2,70	83.0	2000	920	11799	97.3	0,86	330	10589	95.3	0,84	155	10036	93.1	0,80
6-pole: n_{sync} = 1000 rpm at - 50 Hz - 4160 V - const torque drive																						
	630	**1NC1 452-6BR40-4AG0**	992	96.0	0,80	114	6065	1,80	26.0	2200	295	5749	94.8	0,81	105	5159	90.8	0,81	50	4890	86.4	0,80
	630	**1NC1 452-6BR40-4CG0**	992	96.1	0,84	108	6065	2,00	34.0	2200	295	5749	94.9	0,83	105	5159	91.0	0,84	50	4890	86.7	0,82
	710	**1NC1 454-6BR40-4AG0**	994	96.2	0,81	126	6821	2,20	30.0	2200	335	6465	95.3	0,81	120	5802	91.8	0,80	55	5499	87.5	0,76
	710	**1NC1 454-6BR40-4CG0**	994	96.3	0,84	122	6821	2,40	39.0	2200	335	6465	95.4	0,83	120	5802	92.0	0,83	55	5499	87.8	0,78
	850	**1NC1 456-6BR40-4AG0**	994	96.4	0,81	152	8166	2,30	35.0	2200	400	7737	95.5	0,81	140	6944	92.3	0,81	65	6581	88.1	0,76
	850	**1NC1 456-6BR40-4CG0**	994	96.5	0,84	146	8166	2,50	46.0	2200	400	7737	95.6	0,84	140	6944	92.4	0,83	65	6581	88.5	0,78
	850	**1NC1 500-6BR40-4CG0**	995	96.7	0,86	142	8158	2,10	57.0	2100	400	7733	95.8	0,86	140	6940	92.7	0,86	65	6578	89.0	0,84
	850	**1NC1 500-6BR40-4AG0**	993	96.4	0,83	148	8174	2,20	44.0	2100	400	7749	95.4	0,83	140	6955	91.7	0,84	65	6592	87.6	0,82
	950	**1NC1 502-6BR40-4AG0**	994	96.5	0,84	162	9127	2,60	50.0	2100	450	8650	95.6	0,84	160	7763	92.1	0,84	75	7358	87.9	0,81
	950	**1NC1 502-6BR40-4CG0**	995	96.7	0,86	158	9117	2,40	65.0	2100	450	8632	96.0	0,86	160	7747	92.9	0,86	75	7343	89.2	0,82
	1050	**1NC1 504-6BR40-4AG0**	994	96.7	0,85	178	10087	2,40	57.0	2100	495	9560	95.7	0,85	175	8579	92.4	0,85	80	8131	88.6	0,83
	1050	**1NC1 504-6BR40-4CG0**	995	96.8	0,87	174	10077	2,30	74.0	2100	495	9545	96.1	0,87	175	8567	93.3	0,87	80	8119	89.9	0,84
	1200	**1NC1 506-6BR40-4AG0**	994	96.8	0,85	200	11528	2,60	65.0	2100	565	10928	96.0	0,85	200	9807	92.9	0,85	95	9295	89.2	0,82
	1200	**1NC1 506-6BR40-4CG0**	996	97.0	0,87	198	11505	2,40	83.0	2100	565	10903	96.4	0,87	200	9784	93.7	0,86	95	9274	90.6	0,83
	1350	**1NC1 562-6BR40-4CG0**	996	97.1	0,86	225	12943	2,90	116.0	2000	635	12260	96.9	0,87	225	11002	94.5	0,86	105	10428	91.8	0,81
	1550	**1NC1 564-6BR40-4CG0**	996	97.2	0,87	255	14861	2,70	132.0	2000	730	14079	96.9	0,88	260	12635	94.5	0,87	120	11976	91.8	0,84
	1700	**1NC1 566-6BR40-4CG0**	996	97.3	0,87	280	16299	2,90	147.0	2000	800	15436	97.0	0,88	285	13853	94.8	0,87	135	13130	92.2	0,83
8-pole: n_{sync} = 750 rpm at - 50 Hz - 4160 V - const torque drive																						
	530	**1NC1 452-8BR40-4AG0**	742	95.7	0,77	100	6821	1,80	26.0	2200	250	6460	94.0	0,78	85	5797	88.9	0,79	40	5495	83.2	0,77
	530	**1NC1 452-8BR40-4CG0**	743	95.8	0,81	95	6812	1,90	35.0	2200	250	6458	94.3	0,81	90	5795	89.4	0,81	40	5493	83.8	0,78
	600	**1NC1 454-8BR40-4AG0**	743	95.9	0,78	112	7711	1,90	30.0	2200	280	7311	94.4	0,78	100	6561	89.7	0,79	45	6219	84.1	0,76
	600	**1NC1 454-8BR40-4CG0**	744	95.9	0,81	108	7701	2,00	39.0	2200	280	7303	94.6	0,81	100	6554	90.1	0,81	45	6212	84.6	0,77
	640	**1NC1 456-8BR40-4AG0**	744	96.1	0,78	118	8214	2,30	35.0	2200	300	7784	95.0	0,78	105	6986	91.0	0,77	50	6621	85.8	0,72
	640	**1NC1 456-8BR40-4CG0**	745	96.1	0,80	116	8203	2,40	46.0	2200	300	7773	95.2	0,80	105	6976	91.2	0,78	50	6612	86.1	0,73
	660	**1NC1 502-8BR40-4CG0**	744	95.8	0,85	112	8471	2,10	65.0	2100	310	8024	94.5	0,84	110	7201	90.7	0,84	50	6825	86.1	0,82
	660	**1NC1 502-8BR40-4AG0**	744	95.7	0,80	120	8471	1,80	50.0	2100	310	8030	94.3	0,81	110	7207	90.1	0,80	50	6831	85.3	0,79
	750	**1NC1 504-8BR40-4AG0**	745	96.0	0,80	136	9613	2,20	56.0	2100	355	9108	95.0	0,80	125	8174	91.5	0,79	60	7748	87.1	0,75
	750	**1NC1 504-8BR40-4CG0**	746	96.0	0,84	130	9600	2,60	73.0	2100	355	9099	95.1	0,84	125	8166	91.8	0,82	60	7739	87.6	0,77
	850	**1NC1 506-8BR40-4AG0**	745	96.0	0,81	152	10895	2,40	64.0	2100	400	10315	94.9	0,80	140	9257	91.5	0,79	65	8774	86.8	0,74
	850	**1NC1 506-8BR40-4CG0**	746	95.9	0,84	146	10881	2,70	83.0	2100	400	10306	95.1	0,83	140	9249	91.8	0,81	65	8767	87.3	0,76
	1000	**1NC1 562-8BR40-4CG0**	746	96.7	0,84	170	12801	2,40	115.0	2000	470	12132	96.1	0,85	165	10888	93.1	0,84	80	10319	89.5	0,80
	1120	**1NC1 564-8BR40-4CG0**	746	96.8	0,84	192	14337	2,40	132.0	2000	530	13586	96.2	0,85	185	12193	93.3	0,84	90	11556	89.9	0,80
	1250	**1NC1 566-8BR40-4CG0**	746	96.9	0,84	215	16001	2,60	147.0	2000	590	15155	96.4	0,85	210	13601	93.5	0,84	100	12891	90.2	0,79

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 452-2BR40-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-2BR40-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-2BR40-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-2BR40-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-2BR40-4AG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-2BR40-4CG0	5325	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-2BR40-4CG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-2BR40-4AG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-2BR40-4AG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-2BR40-4CG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-2BR40-4AG0	6675	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-2BR40-4CG0	6875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-2BR40-4CG0	8395	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-2BR40-4CG0	8795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
4-pole																			
1NC1 452-4BR40-4AG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BR40-4CG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR40-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR40-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR40-4AG0	5325	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR40-4CG0	5525	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR40-4CG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR40-4AG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR40-4CG0	6575	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR40-4AG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR40-4CG0	6975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR40-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR40-4CG0	7995	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR40-4AG0	7695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR40-4CG0	8395	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR40-4AG0	8095	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR40-4AG0	8495	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR40-4CG0	8795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR40-4AG0	8995	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR40-4CG0	9395	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole																			

Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 50 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 452-6BR40-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BR40-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR40-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR40-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR40-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR40-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR40-4CG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR40-4AG0	5775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR40-4AG0	6075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR40-4CG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR40-4AG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR40-4CG0	6675	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR40-4AG0	6875	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR40-4CG0	7175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BR40-4CG0	8695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-6BR40-4CG0	9295	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BR40-4CG0	9795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole																			
1NC1 452-8BR40-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BR40-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR40-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR40-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR40-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR40-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR40-4CG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR40-4AG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR40-4AG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR40-4CG0	6675	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR40-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR40-4CG0	6975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BR40-4CG0	8495	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BR40-4CG0	9195	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BR40-4CG0	9695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NC1 452-4BR44-4AG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BR44-4CG0	5600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR44-4AG0	5600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR44-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR44-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR44-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR44-4CG0	7100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR44-4AG0	6900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR44-4CG0	7600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR44-4AG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR44-4CG0	8000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR44-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR44-4CG0	9200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR44-4AG0	8900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR44-4CG0	9700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR44-4AG0	9400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR44-4AG0	9800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR44-4CG0	10100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR44-4AG0	10300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR44-4CG0	10600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole													
1NC1 452-6BR44-4AG0	5300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BR44-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR44-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR44-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR44-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR44-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR44-4CG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR44-4AG0	6800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR44-4AG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR44-4CG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR44-4AG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR44-4CG0	7700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR44-4AG0	7900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR44-4CG0	8100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BR44-4CG0	9900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 50 Hz V1 (IM 3011) - Dimension drawings													
1NC1 564-6BR44-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BR44-4CG0	11100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole													
1NC1 452-8BR44-4AG0	5200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BR44-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR44-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR44-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR44-4AG0	5800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR44-4CG0	6000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR44-4CG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR44-4AG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR44-4AG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR44-4CG0	7600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR44-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR44-4CG0	8000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BR44-4CG0	9800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BR44-4CG0	10400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BR44-4CG0	11000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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SIMOTICS HV C - 1NC1 IC416 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
2-pole: n_{sync} = 3600 rpm at - 60 Hz - 4160 V - const torque drive																						
	900	**1NC1 452-2BR30-4CG0**	3582	96.6	0,89	146	2399	2,30	15.0	3600	425	2273	96.2	0,89	150	2040	93.9	0,88	70	1933	91.4	0,87
	1050	**1NC1 454-2BR30-4CG0**	3584	96.8	0,90	168	2798	2,70	17.0	3600	495	2649	96.5	0,89	175	2377	94.5	0,88	85	2253	92.2	0,85
	1120	**1NC1 456-2BR30-4CG0**	3587	96.9	0,90	178	2982	3,00	19.0	3600	530	2824	96.7	0,90	190	2534	94.8	0,88	90	2402	92.6	0,84
4-pole: n_{sync} = 1800 rpm at - 60 Hz - 4160 V - const torque drive																						
	900	**1NC1 452-4BR30-4AG0**	1794	96.6	0,83	156	4791	3,50	18.0	2400	425	4537	96.3	0,82	150	4071	93.7	0,78	70	3859	90.4	0,69
	900	**1NC1 452-4BR30-4CG0**	1793	96.6	0,83	156	4793	2,90	23.0	2400	425	4539	96.4	0,82	150	4073	94.0	0,79	70	3860	91.2	0,72
	1000	**1NC1 454-4BR30-4AG0**	1794	96.6	0,83	174	5323	3,70	20.0	2400	470	5040	96.4	0,82	170	4523	94.0	0,78	80	4287	90.6	0,68
	1000	**1NC1 454-4BR30-4CG0**	1794	96.7	0,83	172	5323	3,10	26.0	2400	470	5041	96.5	0,82	170	4524	94.3	0,78	80	4288	91.5	0,71
	1120	**1NC1 456-4BR30-4AG0**	1794	96.8	0,84	192	5962	3,90	23.0	2400	530	5644	96.6	0,83	190	5065	94.1	0,79	90	4801	90.9	0,69
	1120	**1NC1 456-4BR30-4CG0**	1794	96.8	0,83	194	5962	3,20	30.0	2400	530	5645	96.6	0,82	190	5066	94.4	0,79	90	4801	91.8	0,72
	1150	**1NC1 502-4BR30-4CG0**	1793	96.6	0,85	194	6125	2,50	35.0	2200	545	5799	96.6	0,85	195	5204	94.7	0,83	90	4933	92.5	0,78
	1150	**1NC1 502-4BR30-4AG0**	1793	96.5	0,86	192	6125	3,20	26.0	2200	545	5799	96.5	0,85	195	5204	94.5	0,82	90	4933	91.8	0,76
	1350	**1NC1 504-4BR30-4AG0**	1793	96.7	0,87	225	7190	3,10	30.0	2200	635	6811	96.6	0,87	225	6112	94.5	0,85	105	5793	92.0	0,80
	1350	**1NC1 504-4BR30-4CG0**	1793	96.8	0,86	225	7190	2,40	40.0	2200	635	6810	96.6	0,86	225	6111	94.7	0,84	105	5792	92.5	0,81
	1420	**1NC1 506-4BR30-4AG0**	1794	96.7	0,87	235	7559	3,70	35.0	2200	670	7156	96.7	0,86	240	6422	94.6	0,83	110	6087	92.0	0,76
	1420	**1NC1 506-4BR30-4CG0**	1794	96.8	0,86	235	7559	2,90	45.0	2200	670	7156	96.8	0,86	240	6422	94.9	0,83	115	6087	92.8	0,78
	1600	**1NC1 560-4BR30-4CG0**	1793	97.0	0,84	275	8521	2,10	60.0	2000	755	8068	96.9	0,85	270	7241	95.2	0,83	125	6863	93.2	0,81
	1600	**1NC1 560-4BR30-4AG0**	1794	96.9	0,86	265	8517	2,40	44.0	2000	755	8065	96.9	0,85	270	7238	95.2	0,84	125	6860	93.1	0,79
	1800	**1NC1 562-4BR30-4CG0**	1794	97.2	0,86	300	9581	2,40	68.0	2000	850	9071	97.1	0,86	305	8141	95.3	0,84	145	7716	93.4	0,81
	1800	**1NC1 562-4BR30-4AG0**	1794	97.1	0,87	295	9581	2,80	50.0	2000	850	9074	97.0	0,86	305	8144	95.2	0,84	145	7719	93.1	0,79
	1950	**1NC1 564-4BR30-4AG0**	1795	97.2	0,88	315	10374	3,00	55.0	2000	920	9827	97.1	0,87	330	8819	95.3	0,85	155	8358	93.1	0,79
	1950	**1NC1 564-4BR30-4CG0**	1795	97.3	0,87	320	10374	2,60	75.0	2000	920	9829	97.2	0,86	330	8821	95.4	0,84	155	8361	93.5	0,80
	2150	**1NC1 566-4BR30-4AG0**	1795	97.3	0,88	350	11438	3,20	62.0	2000	1015	10832	97.2	0,87	360	9721	95.2	0,85	170	9213	93.0	0,79
	2150	**1NC1 566-4BR30-4CG0**	1795	97.4	0,88	350	11438	2,70	83.0	2000	1015	10833	97.2	0,87	360	9722	95.3	0,85	170	9215	93.4	0,80
6-pole: n_{sync} = 1200 rpm at - 60 Hz - 4160 V - const torque drive																						
	710	**1NC1 452-6BR30-4AG0**	1193	96.2	0,79	130	5683	2,10	26.0	2200	335	5381	95.6	0,80	120	4829	92.7	0,79	55	4577	89.0	0,75
	710	**1NC1 452-6BR30-4CG0**	1193	96.4	0,83	124	5683	2,40	34.0	2200	335	5384	95.7	0,83	120	4831	92.8	0,82	55	4579	89.3	0,77
	850	**1NC1 454-6BR30-4AG0**	1193	96.4	0,81	152	6804	2,10	30.0	2200	400	6442	95.7	0,81	140	5781	92.7	0,80	65	5479	89.2	0,76
	850	**1NC1 454-6BR30-4CG0**	1194	96.5	0,84	146	6798	2,30	39.0	2200	400	6444	95.8	0,83	140	5784	92.9	0,83	65	5482	89.4	0,78
	1060	**1NC1 456-6BR30-4AG0**	1193	96.5	0,81	188	8485	2,00	35.0	2200	500	8037	95.8	0,81	175	7213	92.9	0,81	85	6836	89.5	0,78
	1060	**1NC1 456-6BR30-4CG0**	1193	96.6	0,84	182	8485	2,20	46.0	2200	500	8037	95.9	0,84	175	7213	93.0	0,83	85	6836	89.7	0,80
	1000	**1NC1 500-6BR30-4CG0**	1195	96.8	0,86	166	7991	2,10	57.0	2100	470	7575	96.2	0,86	170	6798	93.5	0,86	80	6444	90.4	0,84
	1000	**1NC1 500-6BR30-4AG0**	1193	96.6	0,83	174	8004	2,20	44.0	2100	470	7587	95.8	0,84	165	6809	92.7	0,84	80	6453	89.2	0,82
	1120	**1NC1 502-6BR30-4AG0**	1193	96.8	0,83	194	8965	2,30	50.0	2100	530	8493	96.0	0,84	185	7622	93.0	0,84	90	7224	89.7	0,81

SIMOTICS HV C - 1NC1 IC416 4160 V / 60 Hz B3 (IM 1001) - VSD const torque																							
Rated power		SIMOTICS HV C VSD const	Operating values at rated output for utilization F/B								Constant-torque drive, speed range											
IEC		Article No.	Rated Speed	Effi-ciency	Power factor	Rated current at 4160 V	Rated Torque	Break-down Torque	Moment of Inertia	Mechanical speed limit	1:2				1:5				1:10			
155(F)	130(B)																					
P_{rated}	P_{rated}		n_{rated}	η	cos φ	I_{rated}	T_{rated}	T_B/T_R	J	n_{max}	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ	P_{max}	T_{max}	η	cos φ
kW	kW		rpm	%	[-]	A	Nm	[-]	kgm^2	rpm	kW	Nm	%	[-]	kW	Nm	%	[-]	kW	Nm	%	[-]
	1120	**1NC1 502-6BR30-4CG0**	1195	96.9	0,86	186	8950	2,20	65.0	2100	530	8480	96.4	0,86	190	7610	93.8	0,86	90	7213	90.9	0,83
	1250	**1NC1 504-6BR30-4AG0**	1194	96.9	0,85	210	9997	2,40	57.0	2100	590	9476	96.2	0,85	210	8505	93.3	0,85	100	8061	90.1	0,82
	1250	**1NC1 504-6BR30-4CG0**	1195	97.0	0,87	205	9989	2,30	74.0	2100	590	9460	96.5	0,87	210	8490	94.0	0,87	100	8047	91.3	0,84
	1380	**1NC1 506-6BR30-4AG0**	1194	96.9	0,85	235	11037	2,70	65.0	2100	650	10454	96.2	0,86	230	9382	93.4	0,85	110	8892	90.1	0,81
	1380	**1NC1 506-6BR30-4CG0**	1196	97.1	0,87	225	11018	2,50	83.0	2100	650	10437	96.5	0,87	230	9367	94.1	0,86	110	8878	91.2	0,83
	1550	**1NC1 562-6BR30-4CG0**	1195	97.1	0,87	255	12386	2,80	116.0	2000	730	11724	97.0	0,87	260	10522	94.9	0,87	120	9972	92.5	0,83
	1750	**1NC1 564-6BR30-4CG0**	1196	97.3	0,87	285	13973	2,70	132.0	2000	825	13236	97.1	0,88	295	11879	95.0	0,88	140	11259	92.7	0,84
	1950	**1NC1 566-6BR30-4CG0**	1196	97.4	0,87	320	15570	2,70	147.0	2000	920	14748	97.2	0,88	330	13236	95.0	0,88	155	12545	92.8	0,84
8-pole: n_{sync} = 900 rpm at - 60 Hz - 4160 V - const torque drive																						
	630	**1NC1 452-8BR30-4AG0**	893	96.0	0,78	116	6737	1,90	26.0	2200	295	6385	94.7	0,78	105	5730	90.5	0,78	50	5431	85.4	0,75
	630	**1NC1 452-8BR30-4CG0**	894	96.0	0,80	114	6729	2,00	35.0	2200	295	6381	94.9	0,81	105	5727	90.7	0,80	50	5428	85.8	0,76
	710	**1NC1 454-8BR30-4AG0**	893	96.2	0,78	132	7592	2,00	30.0	2200	335	7190	95.1	0,78	120	6453	91.2	0,78	55	6116	86.5	0,75
	710	**1NC1 454-8BR30-4CG0**	894	96.2	0,80	128	7584	2,10	39.0	2200	335	7187	95.2	0,81	120	6450	91.4	0,80	55	6113	86.9	0,76
	780	**1NC1 456-8BR30-4AG0**	894	96.3	0,79	142	8332	2,20	35.0	2200	365	7893	95.3	0,79	130	7084	91.5	0,79	60	6714	87.0	0,74
	780	**1NC1 456-8BR30-4CG0**	894	96.3	0,80	140	8332	2,20	46.0	2200	365	7889	95.4	0,80	130	7080	91.7	0,80	60	6711	87.3	0,75
	740	**1NC1 502-8BR30-4CG0**	895	95.9	0,85	126	7896	2,20	65.0	2100	350	7483	95.0	0,84	125	6716	91.8	0,83	60	6365	88.0	0,81
	740	**1NC1 502-8BR30-4AG0**	894	95.9	0,80	134	7904	1,80	50.0	2100	350	7488	94.9	0,80	125	6720	91.5	0,80	60	6369	87.5	0,78
	850	**1NC1 504-8BR30-4AG0**	895	96.1	0,81	152	9069	2,20	56.0	2100	400	8591	95.2	0,80	140	7710	92.1	0,79	65	7307	88.1	0,76
	850	**1NC1 504-8BR30-4CG0**	896	96.0	0,84	146	9059	2,60	73.0	2100	400	8584	95.2	0,84	140	7704	92.3	0,82	65	7302	88.5	0,78
	950	**1NC1 506-8BR30-4AG0**	895	96.2	0,81	170	10136	2,20	64.0	2100	450	9600	95.3	0,81	160	8616	92.3	0,80	75	8166	88.4	0,76
	950	**1NC1 506-8BR30-4CG0**	896	96.0	0,84	164	10125	2,60	83.0	2100	450	9593	95.4	0,84	160	8609	92.5	0,82	75	8160	88.8	0,78
	1120	**1NC1 562-8BR30-4CG0**	895	96.7	0,84	192	11950	2,30	115.0	2000	530	11315	96.3	0,85	185	10155	93.7	0,85	90	9625	90.7	0,81
	1250	**1NC1 564-8BR30-4CG0**	896	96.8	0,85	210	13322	2,40	132.0	2000	590	12625	96.4	0,85	210	11330	93.8	0,85	100	10739	90.8	0,81
	1400	**1NC1 566-8BR30-4CG0**	896	96.9	0,84	240	14921	2,60	147.0	2000	660	14129	96.6	0,85	235	12680	94.0	0,84	110	12019	91.1	0,79

Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
2-pole																			
1NC1 452-2BR30-4CG0	4725	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-2BR30-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-2BR30-4CG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
4-pole																			
1NC1 452-4BR30-4AG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BR30-4CG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR30-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR30-4CG0	5125	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR30-4AG0	5325	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR30-4CG0	5525	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR30-4CG0	6175	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR30-4AG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR30-4AG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR30-4CG0	6575	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR30-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR30-4CG0	6975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR30-4CG0	7995	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR30-4AG0	7695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR30-4CG0	8395	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR30-4AG0	8095	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR30-4AG0	8495	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR30-4CG0	8795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR30-4AG0	8995	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR30-4CG0	9295	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole																			
1NC1 452-6BR30-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BR30-4CG0	4825	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR30-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR30-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR30-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR30-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR30-4CG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR30-4AG0	5775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR30-4AG0	6075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR30-4CG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR30-4AG0	6475	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions																	
		A	AD	AD'	AE	AE'	AG	AG'	B	C	D	E	H	HB	HB'	HD	HD'	L	ML
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 60 Hz B3 (IM 1001) - Dimension drawings																			
1NC1 504-6BR30-4CG0	6675	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR30-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR30-4CG0	7075	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BR30-4CG0	8595	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-6BR30-4CG0	9195	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BR30-4CG0	9795	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole																			
1NC1 452-8BR30-4AG0	4625	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BR30-4CG0	4725	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR30-4AG0	4925	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR30-4CG0	5025	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR30-4AG0	5225	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR30-4CG0	5425	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR30-4CG0	6275	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR30-4AG0	5975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR30-4AG0	6375	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR30-4CG0	6575	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR30-4AG0	6775	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR30-4CG0	6975	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BR30-4CG0	8595	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BR30-4CG0	9095	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BR30-4CG0	9695	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
4-pole													
1NC1 452-4BR34-4AG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-4BR34-4CG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR34-4AG0	5600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-4BR34-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR34-4AG0	6000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-4BR34-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR34-4CG0	7200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-4BR34-4AG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR34-4AG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-4BR34-4CG0	7600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR34-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-4BR34-4CG0	8000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR34-4CG0	9200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 560-4BR34-4AG0	8900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR34-4CG0	9700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-4BR34-4AG0	9400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR34-4AG0	9700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-4BR34-4CG0	10100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR34-4AG0	10200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-4BR34-4CG0	10600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
6-pole													
1NC1 452-6BR34-4AG0	5300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-6BR34-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR34-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-6BR34-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR34-4AG0	5900	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-6BR34-4CG0	6100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR34-4CG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 500-6BR34-4AG0	6800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR34-4AG0	7100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-6BR34-4CG0	7300	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR34-4AG0	7500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-6BR34-4CG0	7700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR34-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-6BR34-4CG0	8100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-6BR34-4CG0	9800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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Motor type	Weight	Dimensions											
		AE	AG	D	HB	HD	L	LM	M	N	P	S	Z
	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SIMOTICS HV C - 1NC1 IC416 4160 V / 60 Hz V1 (IM 3011) - Dimension drawings													
1NC1 564-6BR34-4CG0	10500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-6BR34-4CG0	11100	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
8-pole													
1NC1 452-8BR34-4AG0	5200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 452-8BR34-4CG0	5400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR34-4AG0	5500	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 454-8BR34-4CG0	5700	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR34-4AG0	5800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 456-8BR34-4CG0	6000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR34-4CG0	7200	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 502-8BR34-4AG0	7000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR34-4AG0	7400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 504-8BR34-4CG0	7600	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR34-4AG0	7800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 506-8BR34-4CG0	8000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 562-8BR34-4CG0	9800	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 564-8BR34-4CG0	10400	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.
1NC1 566-8BR34-4CG0	11000	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.	o.r.

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