

Squirrel-cage motors

1LG · Cast iron housing · Basic version

Selection and ordering data

■ 50 Hz

The motors can also be used for 60 Hz according to EPACT, see Pages 3/18 and 3/19.

For further details, see "Technical information", "Motors for the US market".

Rated output	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Efficiency class	Operating data at rated output						Starting torque	Starting current	Stalling torque	Torque class	Moment of inertia J	Weight
				Rated speed	Efficiency η at		Power factor p.f.	Rated current at 400 V	Rated torque						
					4/4-load	3/4-load									
kW			(EFF I)	rpm	%	%		A	Nm				KL	kg m ²	kg
Energy-saving motor to CEMEP "High Efficiency" eff1, IP55 degree of protection, temperature class F															(EFF I)
	3000 rpm, 2-pole, 50 Hz														
22	180 M	1LG6 183-2AA ..	1	2955	94.1	94.5	0.88	38.5 ¹⁾	71	2.5	7.2	3.4	16	0.086	180
30	200 L	1LG6 206-2AA ..	1	2960	93.5	93.4	0.88	53.0 ¹⁾	97	2.4	7.0	3.3	16	0.15	225
37		1LG6 207-2AA ..	1	2960	94.1	94.0	0.89	64.0 ¹⁾	119	2.5	7.2	3.3	16	0.18	255
45	225 M	1LG6 223-2AA ..	1	2965	94.9	95.1	0.89	77.0 ¹⁾	145	2.5	7.3	3.2	16	0.27	330
55	250 M	1LG6 253-2AA ..	1	2975	95.3	95.3	0.90	93.0	177	2.4	6.8	3.0	16	0.47	420
75	280 S	1LG6 280-2AB ..	1	2975	95.2	95.2	0.89	128 ¹⁾	241	2.5	7.0	3.0	13	0.83	530
90	280 M	1LG6 283-2AB ..	1	2978	95.6	95.7	0.90	150 ¹⁾	289	2.6	7.6	3.1	13	1.0	615
110	315 S	1LG6 310-2AB ..		2982	95.8	95.7	0.91	182 ¹⁾	352	2.4	6.9	2.8	13	1.4	790
132	315 M	1LG6 313-2AB ..		2982	96.0	95.9	0.91	220 ¹⁾	423	2.6	7.1	2.9	13	1.6	915
160	315 L	1LG6 316-2AB ..		2982	96.4	96.4	0.92	260	512	2.5	7.1	2.9	13	2.1	1055
200	315 L	1LG6 317-2AB ..		2982	96.5	96.5	0.93	320	641	2.5	6.9	2.8	13	2.5	1245
	1500 rpm, 4-pole, 50 Hz														
18.5	180 M	1LG6 183-4AA ..	1	1470	92.6	93.2	0.83	34.5 ¹⁾	120	2.5	6.4	3.0	16	0.12	155
22	180 L	1LG6 186-4AA ..	1	1470	93.2	93.5	0.84	40.5 ¹⁾	143	2.5	6.7	3.1	16	0.14	180
30	200 L	1LG6 207-4AA ..	1	1470	93.3	93.4	0.85	55.0 ¹⁾	195	2.6	6.7	3.3	16	0.23	225
37	225 S	1LG6 220-4AA ..	1	1480	94.0	94.4	0.85	67.0 ¹⁾	239	2.7	6.8	3.0	16	0.40	290
45	225 M	1LG6 223-4AA ..	1	1480	94.5	94.7	0.85	81.0 ¹⁾	290	2.8	6.9	3.0	16	0.49	330
55	250 M	1LG6 253-4AA ..	1	1485	95.1	95.3	0.87	96.0	354	2.6	7.5	3.0	16	0.86	460
75	280 S	1LG6 280-4AA ..	1	1485	95.1	95.2	0.87	130 ¹⁾	482	2.5	6.8	2.9	16	1.40	575
90	280 M	1LG6 283-4AA ..	1	1486	95.4	95.5	0.86	158 ¹⁾	578	2.7	7.5	3.1	16	1.70	675
110	315 S	1LG6 310-4AA ..		1488	95.9	96.0	0.87	190 ¹⁾	706	2.7	7.1	2.9	16	2.3	810
132	315 M	1LG6 313-4AA ..		1488	96.1	96.2	0.88	225 ¹⁾	847	2.7	7.3	2.9	16	2.9	965
160	315 L	1LG6 316-4AA ..		1490	96.3	96.4	0.88	275	1026	3.0	7.4	3.0	16	3.5	1105
200	315 L	1LG6 317-4AA ..		1490	96.4	96.5	0.88	340	1282	3.2	7.6	3.0	16	4.2	1305

Order No. supplements

Motor type	Penultimate position: Voltage identifier						Final position: Type of construction identifier				
	50 Hz			60 Hz			IM B 3	Price supplement		IM V 1	
	230 VΔ / 400 VY	400 VΔ / 690 VY	500 VY	500 VΔ	460 VY	460 VΔ		IM B 5		Without protective cover	With protective cover
1LG6 183 to 1LG6 313	1	6	3	5	1	6	0	1		1	4
1LG6 316 to 1LG6 317	–	6	–	5	–	6	0	–		8	4

Other voltage and/or frequency, voltage identifier "9".
Order codes are required for this purpose (see "Technical information", "Voltages, currents and frequencies").

For other types of construction, see "Technical information", "Types of construction".

1) For connection to 230 V, parallel supply cables are required (see "Technical information", "Connections, circuits and terminal blocks").