

Squirrel-cage motors

1LG · Cast iron housing · Basic version

Selection and ordering data

■ 60 Hz

The motors can also be used for 50 Hz "High Efficiency" eff1, see Pages 3/16 and 3/17.

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	Operating data at rated output					Starting torque	Starting current	Stalling torque	Torque class	Moment of inertia J	Weight
HP			Rated speed	Nominal efficiency level η	Power factor p.f.	Rated current at 460 V	Rated torque	For direct-on-line starting as multiple of the rated torque	current	torque	KL	kg m ²	Type of constr. IM B 3 approx. kg
			rpm	%		A	Nm						
Energy-saving motors according to EPACT, IP55 degree of protection													CC 032A
3600 rpm, 2-pole, 60 Hz													
30 ●	180 M	1LG6 183-2AA ..	3560	93.6	0.88	34	60	2.7	7.9	3.7	16	0.086	180
40 ●	200 L	1LG6 206-2AA ..	3565	92.4	0.88	46	80	2.7	7.8	3.7	16	0.151	225
50 ●		1LG6 207-2AA ..	3565	92.4	0.89	57	100	2.8	7.8	3.7	16	0.182	255
60 ●	225 M	1LG6 223-2AA ..	3570	93.6	0.89	67	120	2.8	8.3	3.6	16	0.266	330
75 ●		1LG6 228-2AA .. ¹⁾	3570	94.1	0.90	83	150	3.3	8.7	3.7	16	0.319	390
75 ●	250 M	1LG6 253-2AA ..	3578	93.6	0.89	84	149	2.7	7.5	3.2	16	0.466	420
100 ●		1LG6 258-2AA .. ¹⁾	3580	94.1	0.89	112	199	2.8	8.4	3.5	16	0.565	470
100 ●	280 S	1LG6 280-2AB ..	3580	95.0	0.89	110	199	2.8	7.9	3.4	13	0.832	530
125 ●	280 M	1LG6 283-2AB ..	3580	95.0	0.90	136	249	2.9	8.3	3.4	13	1.00	615
150 ●		1LG6 288-2AA .. ¹⁾	3580	95.0	0.90	164	299	3.1	8.5	3.6	16	1.160	660
150 ●	315 S	1LG6 310-2AB ..	3585	94.5	0.91	164	298	2.6	7.5	3.1	13	1.39	790
175 ●	315 M	1LG6 313-2AB ..	3586	95.0	0.91	190	348	3.0	8.3	3.3	13	1.62	915
200 ●	315 L	1LG6 316-2AB ..	3588	95.4	0.91	215	397	3.0	8.4	3.5	13	2.09	1055
250 ●	315 L	1LG6 317-2AB ..	3588	95.4	0.93	265	496	3.2	8.6	3.4	13	2.46	1245
300 ●	315 L	1LG6 318-2AA .. ¹⁾	3591	95.4	0.92	320	595	4.1	10.0	3.9	16	2.74	1330
1800 rpm, 4-pole, 60 Hz													
25 ●	180 M	1LG6 183-4AA ..	1775	92.4	0.82	31	100	2.9	7.1	3.3	16	0.122	155
30 ●	180 L	1LG6 186-4AA ..	1775	92.4	0.83	36.5	121	2.8	7.4	3.4	16	0.144	180
40 ●	200 L	1LG6 207-4AA ..	1775	93.0	0.84	48	160	3.0	7.7	3.7	16	0.234	225
50 ●	225 S	1LG6 220-4AA ..	1785	93.6	0.84	60	200	3.1	7.5	3.4	16	0.398	290
60 ●	225 M	1LG6 223-4AA ..	1785	94.1	0.85	70	240	3.3	7.9	3.5	16	0.486	330
75 ●		1LG6 228-4AA .. ¹⁾	1785	94.1	0.85	88	299	3.0	7.8	3.3	16	0.660	355
75 ●	250 M	1LG6 253-4AA ..	1790	94.5	0.86	86	298	2.9	8.2	3.4	16	0.856	460
100 ●		1LG6 258-4AA .. ¹⁾	1788	94.5	0.86	116	398	3.0	8.1	3.3	16	0.990	495
100 ●	280 S	1LG6 280-4AA ..	1788	95.0	0.86	114	398	2.9	7.6	3.2	16	1.39	575
125 ●	280 M	1LG6 283-4AA ..	1790	95.0	0.86	144	497	3.0	8.2	3.4	16	1.71	675
150 ●		1LG6 288-4AA .. ¹⁾	1788	95.0	0.86	172	598	3.1	8.4	3.5	16	1.88	710
150 ●	315 S	1LG6 310-4AA ..	1791	95.0	0.87	170	597	3.1	7.8	3.2	16	2.31	810
175 ●	315 M	1LG6 313-4AA ..	1791	95.4	0.87	198	696	3.2	8.4	3.3	16	2.88	965
200 ●	315 L	1LG6 316-4AA ..	1792	95.4	0.87	225	795	3.7	9.0	3.6	16	3.46	1105
250 ●	315 L	1LG6 317-4AA ..	1792	95.8	0.87	280	994	4.0	9.1	3.7	16	4.22	1305
300 ●	315 L	1LG6 318-4AA .. ¹⁾	1792	95.8	0.87	335	1193	4.0	9.3	3.7	16	4.50	1345

● With CC No. CC 032A

Order No. supplements

Motor type	Penultimate position: Voltage identifier							Final position: Type of construction identifier				
	50 Hz				60 Hz			IM B 3	Price supplement			
	230 VΔ / 400 VY	400 VΔ / 690 VY	500 VY	500 VΔ	460 VY	460 VΔ			IM B 5	IM V 1 Without protective cover	IM V 1 With protective cover	IM B 35
1LG6 183 to 1LG6 313	1	6	3	5	1	6		0	1	1	4	6
1LG6 316 to 1LG6 318	–	6	–	5	–	6		0	–	8	4	6

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) Only 60 Hz data according to EPACT shown on the rating plate.

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Rated output	Size	Order No.	Operating data at rated output					Starting torque	Starting current	Stalling torque	Torque class	Moment of inertia	Weight
		Order No. supplement for voltage and type of construction, see table below	Rated speed	Nominal efficiency level η	Power factor p.f.	Rated current at 460 V	Rated torque	For direct-on-line starting as multiple of the rated					
								torque	current	torque			
HP			rpm	%		A	Nm				KL	kg m ²	kg
Energy-saving motors according to EPACT, IP55 degree of protection													CC 032A
	1200 rpm, 6-pole, 60 Hz												
20 ●	180 L	1LG6 186-6AA ..	1178	91.0	0.80	25.5	121	2.9	6.5	3.0	16	0.203	175
25 ●	200 L	1LG6 206-6AA ..	1180	91.7	0.79	32	151	2.9	6.5	2.7	16	0.285	210
30 ●		1LG6 207-6AA ..	1180	91.7	0.80	38.5	181	2.9	6.4	2.7	16	0.362	240
40 ●	225 M	1LG6 223-6AA ..	1184	93.0	0.82	49	240	3.4	7.2	3.4	16	0.629	325
50 ●		1LG6 228-6AA .. ¹⁾	1184	93.0	0.83	61	301	3.2	7.6	3.4	16	0.760	355
50 ●	250 M	1LG6 253-6AA ..	1186	93.0	0.82	61	300	3.4	7.4	2.9	16	0.934	405
60 ●		1LG6 258-6AA .. ¹⁾	1186	93.6	0.82	73	361	3.4	7.7	2.9	16	1.07	435
60	280 S	1LG6 280-6AA ..	1190	94.1	0.83	72	360	3.6	7.7	3.1	16	1.37	520
75	280 M	1LG6 283-6AA ..	1190	94.5	0.83	89	449	3.9	8.3	3.3	16	1.65	570
100 ●		1LG6 288-6AA .. ¹⁾	1190	94.5	0.84	118	599	4.0	8.4	3.3	16	1.94	615
100 ●	315 S	1LG6 310-6AA ..	1191	94.5	0.82	120	598	3.3	8.4	3.4	16	2.50	760
125 ●	315 M	1LG6 313-6AA ..	1191	94.5	0.84	148	747	3.0	7.9	3.1	16	3.20	935
150 ●		1LG6 316-6AA ..	1192	95.0	0.84	176	897	3.3	8.5	3.3	16	4.02	1010
175 ●	315 L	1LG6 317-6AA ..	1192	95.4	0.84	205	1046	3.8	8.9	3.6	16	4.71	1180
200 ●	315 L	1LG6 318-6AA ..	1192	95.4	0.84	235	1195	4.0	9.4	4.0	16	5.39	1245

● With CC No. CC 032A

Order No. supplements

Motor type	Penultimate position: Voltage identifier						Final position: Type of construction identifier				
	50 Hz			60 Hz			IM B 3	Price supplement			
	230 VΔ / 400 VΥ	400 VΔ / 690 VΥ	500 VΥ	500 VΔ	460 VΥ	460 VΔ	IM B 5	IM V 1 Without protective cover	IM V 1 With protective cover	IM B 35	
1LG6 186 to 1LG6 313	1	6	3	5	1	6	0	1	1	4	6
1LG6 316 to 1LG6 318	–	6	–	5	–	6	0	–	8	4	6

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".

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