



MOTORS low-voltage



Squirrel-Cage Motors
Sizes 56 to 450
Output 0.06 kW to 1000 kW

SIEMENS

Squirrel-cage motors

1LG · Cast iron housing · Basic version

Selection and ordering data

Rated output kW	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Operating data at rated output					Rated current at 400 V A	Rated torque Nm	Starting torque For direct-on-line starting as multiple of the rated torque	Starting current current	Stalling torque torque	Torque class KL	Moment of inertia J kg m ²	Weight Type of constr. IM B 3 approx. kg
			Rated speed rpm	Efficiency η at 4/4-load %	Power factor p.f. %	3/4-load %	4/4-load %								
Energy-saving motor, IP55 degree of protection, temperature class F															
1000 rpm, 6-pole, 50 Hz															
15	180 L	1LG6 186-6AA ..	975	90.9	91.7	0.81	29.5	147	2.4	5.5	2.5	16	0.20	175	
18.5	200 L	1LG6 206-6AA ..	978	91.2	91.8	0.81	36.0	181	2.4	5.6	2.4	16	0.29	210	
22		1LG6 207-6AA ..	978	91.9	92.5	0.82	42.0	215	2.4	5.6	2.4	16	0.36	240	
30	225 M	1LG6 223-6AA ..	980	93.2	93.7	0.83	56.0 ¹⁾	292	2.8	6.5	2.9	16	0.63	325	
37	250 M	1LG6 253-6AA ..	985	93.7	94.1	0.83	69.0	359	2.9	6.8	2.5	16	0.93	405	
45	280 S	1LG6 280-6AA ..	988	94.4	94.6	0.85	81.0	435	3.0	6.8	2.7	16	1.40	520	
55		1LG6 283-6AA ..	988	94.6	94.8	0.85	99.0	532	3.3	7.3	2.9	16	1.60	570	
75	315 S	1LG6 310-6AA ..	990	95.0	95.0	0.83	138	723	2.8	7.3	3.0	16	2.5	760	
90	315 M	1LG6 313-6AA ..	990	95.3	95.4	0.85	160	868	2.7	7.3	2.9	16	3.2	935	
110	315 L	1LG6 316-6AA ..	990	95.6	95.7	0.85	196	1061	2.9	7.4	2.9	16	4.0	1010	
132	315 L	1LG6 317-6AA ..	990	95.8	95.8	0.85	235	1273	3.1	7.8	3.1	16	4.7	1180	
160	315 L	1LG6 318-6AA ..	990	95.8	95.9	0.86	280	1543	3.2	7.8	3.1	16	5.4	1245	
750 rpm, 8-pole, 50 Hz															
11	180 L	1LG6 186-8AB ..	725	88.7	89.6	0.76	23.5	145	1.9	4.6	2.2	13	0.210	165	
15	200 L	1LG6 207-8AB ..	725	89.3	89.8	0.80	30.5	198	2.3	5.3	2.6	13	0.370	235	
18.5	225 S	1LG6 220-8AB ..	730	91.1	91.8	0.81	36.0	242	2.3	5.6	2.6	13	0.550	295	
22	225 M	1LG6 223-8AB ..	730	91.6	92.1	0.81	43.0	288	2.4	5.8	2.8	13	0.660	335	
30	250 M	1LG6 253-8AB ..	735	92.8	93.3	0.82	57.0	390	2.5	6.0	2.8	13	1.10	435	
37	280 S	1LG6 280-8AB ..	738	93.1	93.3	0.81	71.0	479	2.3	5.7	2.3	13	1.40	510	
45	280 M	1LG6 283-8AB ..	738	93.7	94.0	0.81	86.0	582	2.6	6.1	2.5	13	1.60	560	
55	315 S	1LG6 310-8AB ..	740	94.3	94.4	0.82	102	710	2.5	6.3	2.9	13	2.5	750	
75	315 M	1LG6 313-8AB ..	740	94.5	94.7	0.83	138	968	2.5	6.7	2.9	13	3.1	840	
90	315 L	1LG6 316-8AB ..	740	94.7	95.1	0.84	164	1161	2.4	6.3	2.8	13	3.9	1005	
110	315 L	1LG6 317-8AB ..	740	94.8	95.1	0.84	200	1420	2.4	6.4	2.6	13	4.5	1100	
132	315 L	1LG6 318-8AB ..	740	94.9	95.2	0.84	240	1704	2.5	6.7	2.9	13	5.3	1270	

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 V Δ / 400 VY	400 V Δ / 690 VY	500 VY	500 V Δ	460 VY	460 V		IM B 5	IM V 1 Without protec- tive 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".

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