

Squirrel-cage motors

1LG · Cast iron housing · With increased power

Selection and ordering data

Rated output	Size	Order No. Order No. supplement for voltage and type of construction, see table below	Operating data at rated output						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 <i>J</i> kg m ²	Weight
			Rated speed	Efficiency η at		Power factor p.f.	Rated current at 400 V	Rated torque						Type of constr. IM B 3
				4/4-load	3/4-load									
kW			rpm	%	%		A	Nm						
IP55 degree of protection, temperature class F														
	3000 rpm, 2-pole, 50 Hz													
30	180 M	1LG4188-2AA ..	2950	92.8	92.9	0.86	54 ¹⁾	97	2.4	7.1	3.4	16	0.086	175
45	200 L	1LG4208-2AA ..	2955	93.6	93.7	0.89	78 ¹⁾	145	2.5	6.9	3.2	16	0.18	255
55	225 M	1LG4228-2AA ..	2960	94.8	95.0	0.89	94 ¹⁾	177	2.6	7.3	3.2	16	0.27	335
75	250 M	1LG4258-2AA ..	2970	94.5	94.5	0.88	130 ¹⁾	241	2.4	7.1	3.1	16	0.48	420
110	280 M	1LG4288-2AB ..	2975	95.5	95.6	0.90	184 ¹⁾	353	2.5	7.0	3.0	13	1.00	630
	1500 rpm, 4-pole, 50 Hz													
30	180 L	1LG4188-4AA ..	1465	91.7	91.9	0.80	59 ¹⁾	196	2.6	6.3	2.9	16	0.14	180
37	200 L	1LG4208-4AA ..	1465	92.5	92.8	0.83	70 ¹⁾	241	2.6	6.5	3.0	16	0.23	230
55	225 M	1LG4228-4AA ..	1475	93.4	93.9	0.86	99 ¹⁾	356	2.5	6.5	2.7	16	0.49	330
75	250 M	1LG4258-4AA ..	1482	94.3	94.4	0.85	136 ¹⁾	483	2.5	7.0	3.0	16	0.86	460
110	280 M	1LG4288-4AA ..	1488	95.2	94.9	0.84	198 ¹⁾	706	2.8	7.9	3.3	16	1.71	680
	1000 rpm, 6-pole, 50 Hz													
18.5	180 L	1LG4188-6AA ..	970	89.6	90.3	0.80	37.5 ¹⁾	182	2.3	4.9	2.4	16	0.20	175
30	200 L	1LG4208-6AA ..	975	90.9	91.3	0.80	60 ¹⁾	294	2.6	5.8	2.6	16	0.36	245
37	225 M	1LG4228-6AA ..	978	92.2	93.0	0.83	70 ¹⁾	361	2.5	5.9	2.8	16	0.62	325
45	250 M	1LG4258-6AA ..	982	93.3	93.8	0.83	84	438	2.7	6.3	2.3	16	0.93	405
75	280 M	1LG4288-6AA ..	985	93.8	94.3	0.85	136 ¹⁾	727	3.0	6.8	2.8	16	1.65	570
	750 rpm, 8-pole, 50 Hz													
15	180 L	1LG4188-8AB ..	720	87.8	88.5	0.73	34 ¹⁾	199	2.0	4.5	2.4	13	0.21	165
18.5	200 L	1LG4208-8AB ..	725	88.3	89.2	0.78	39	244	2.4	5.2	2.6	13	0.37	230
30	225 M	1LG4228-8AB ..	730	90.4	91.2	0.79	61 ¹⁾	392	2.6	5.6	2.8	13	0.66	340
37	250 M	1LG4258-8AB ..	730	91.9	92.8	0.82	71	484	2.4	5.6	2.6	13	1.06	430
55	280 M	1LG4288-8AB ..	735	92.9	93.7	0.81	106	715	2.4	5.6	2.3	13	1.63	565

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 (Outputs at 60 Hz see "Technical informa- tion")	460 VΔ		IM B 5	IM V 1 Without protective cover	IM V 1 With protective cover	IM B 35
1LG4 188 to 1LG4 288	1	6	3	5	1	6	0	1	1	4	6

Other voltage and/or frequency, voltage identifier "9".
Order codes are required for this purpose (see "Technical information", "Types of construction", "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").