

Rated output at 50 Hz	Frame size	Operating values at rated output					Rated current at 50 Hz 400 V	Locked-rotor torque	Locked-rotor current	Break-down torque	Torque class	Moment of inertia	Order No. For Order No. supplements for voltage and type of construction, see table below	Price	Weight
		Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz 4/4-load	Power factor at 50 Hz 4/4-load	with direct starting as multiple of rated torque		with direct starting current	torque						
$P_{rated}$ kW	FS	$n_{rated}$ rpm	$T_{rated}$ Nm	$\eta_{rated}$ %	$\cos\varphi_{rated}$	$I_{rated}$ A	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kg m <sup>2</sup>			Type of construction IM B3 approx. $m$ kg	
<b>2-pole, 3000 rpm at 50 Hz, cooling method IC 411, IP55 degree of protection, with test certificate according to EN 12101-3</b>															
3	100 L	2875	10	78.0	0.85	6.5	2.5	6.2	2.8	16	0.0038	1LA6 106-2UAQQ		32	
4	112 M	2900	13	78.0	0.85	8.7	2.5	6.8	2.9	16	0.0055	1LA6 113-2UAQQ		41	
5.5	132 S	2920	18	82.5	0.89	10.8	1.9	5.7	2.7	16	0.016	1LA6 130-2UAQQ		51	
7.5	132 S	2930	24	84.0	0.89	14.5	2.0	6.5	2.8	16	0.021	1LA6 131-2UAQQ		56	
11	160 M	2930	36	88.0	0.85	21	1.8	6.4	2.7	16	0.034	1LA6 163-2UAQQ		93	
15	160 M	2930	49	88.5	0.89	27.5	2.0	6.5	2.80	16	0.04	1LA6 164-2UAQQ		102	
18.5	160 L	2930	60	87.5	0.90	34	2.0	7.0	2.70	16	0.05	1LA6 166-2UAQQ		112	
22	180 M	2955	71	92.6	0.88	39	2.4	7.0	3.2	16	0.086	1LG6 183-2UAQQ		180	
30	200 L	2955	97	92.2	0.88	53	2.3	6.7	3.1	16	0.151	1LG6 206-2UAQQ		225	
37	200 L	2958	119	92.5	0.89	65	2.4	7.1	3.2	16	0.182	1LG6 207-2UAQQ		255	
45	225 M	2962	145	94.6	0.89	77	2.4	7.1	3.1	16	0.266	1LG6 223-2UAQQ		330	
55	250 M	2972	177	94.3	0.90	94	2.3	6.7	2.9	16	0.466	1LG6 253-2UAQQ		420	
75	280 S	2975	241	94.5	0.89	128	2.4	6.8	2.9	13	0.832	1LG6 280-2UBQQ		530	
90	280 M	2976	289	94.9	0.90	152	2.5	7.4	3.0	13	1.00	1LG6 283-2UBQQ		615	
110	315 S	2982	352	94.7	0.91	184	2.4	6.8	2.7	13	1.39	1LG6 310-2UBQQ		790	
132	315 M	2980	423	95.2	0.91	220	2.5	6.9	2.8	13	1.62	1LG6 313-2UBQQ		915	
160	315 L	2982	512	95.6	0.92	265	2.4	7.1	2.8	13	2.09	1LG6 316-2UBQQ		1055	
190	315 L	2982	608	95.9	0.93	325	2.6	7.2	2.9	13	2.46	1LG6 317-2UBQQ		1245	
<b>4-pole, 1500 rpm at 50 Hz, cooling method IC 411, IP55 degree of protection, with test certificate according to EN 12101-3</b>															
2.2	100 L	1410	15	74.0	0.75	5.6	2.2	5.2	2.7	16	0.0048	1LA6 106-4UAQQ		32	
3	100 L	1410	20	76.0	0.80	7.1	2.5	5.0	2.6	16	0.0058	1LA6 107-4UAQQ		34	
4	112 M	1440	27	79.0	0.76	9.8	2.7	5.7	3.0	16	0.011	1LA6 113-4UAQQ		43	
5.5	132 S	1455	36	78.0	0.75	13.5	2.5	6.3	3.0	16	0.018	1LA6 130-4UAQQ		53	
7.5	132 M	1455	49	84.0	0.75	17.2	2.7	6.7	3.1	16	0.024	1LA6 133-4UAQQ		60	
11	160 M	1460	72	82.5	0.80	24	2.2	6.2	2.7	16	0.04	1LA6 163-4UAQQ		97	
15	160 L	1460	98	81.5	0.80	33.5	2.4	6.4	2.8	16	0.052	1LA6 166-4UAQQ		110	
18.5	180 M	1470	120	90.7	0.84	35	2.4	6.1	2.8	16	0.122	1LG6 183-4UAQQ		155	
22	180 L	1472	143	91.7	0.85	40.5	2.4	6.4	2.9	16	0.144	1LG6 186-4UAQQ		180	
30	200 L	1470	196	92.2	0.86	55	2.4	6.4	3.1	16	0.234	1LG6 207-4UAQQ		225	
37	225 S	1480	239	92.6	0.86	67	2.6	6.5	2.8	16	0.398	1LG6 220-4UAQQ		290	
45	225 M	1480	290	93.3	0.86	81	2.7	6.6	2.9	16	0.486	1LG6 223-4UAQQ		330	
55	250 M	1485	354	94.2	0.87	97	2.5	7.4	2.9	16	0.856	1LG6 253-4UAQQ		460	
75	280 S	1484	483	94.2	0.87	132	2.4	6.7	2.8	16	1.39	1LG6 280-4UAQQ		574	
90	280 M	1486	578	94.7	0.86	160	2.6	7.3	3.0	16	1.71	1LG6 283-4UAQQ		675	
110	315 S	1488	706	95.0	0.87	192	2.7	7.0	2.8	16	2.31	1LG6 310-4UAQQ		810	
132	315 M	1488	847	95.3	0.88	225	2.6	7.1	2.8	16	2.88	1LG6 313-4UAQQ		965	
160	315 L	1490	1025	95.6	0.88	275	2.9	7.2	2.9	16	3.46	1LG6 316-4UAQQ		1105	
200	315 L	1488	1284	95.7	0.88	345	3.1	7.5	2.9	16	4.22	1LG6 317-4UAQQ		1305	

## Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code								
	50 Hz				Without flange	With flange			With standard flange		With special flange		
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6, IM V5 without protective cover <sup>1)</sup>	IM B5, IM V3 <sup>2)</sup>	IM V1 without protective cover <sup>2)</sup>	IM V1 with protective cover <sup>2) 3)</sup>	IM B35	IM B14, IM V19, IM V18 without protective cover	IM B34	IM B14, IM V19, IM V18 without protective cover	
	1	6	3	5	0	1	1	8	4	6	2	7	3
1LA6 10 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LA6 11 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LA6 13 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LA6 16 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LG6 18 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 20 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 22 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 25 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 28 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 310 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 313 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 316 . . . . □□	–	○	–	○	□ <sup>5)</sup>	–	–	✓	✓	✓	–	–	–
1LG6 317 . . . . □□	–	○	–	○	□ <sup>5)</sup>	–	–	✓	✓	✓	–	–	–

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and with order code **L1Y** (see “Special versions” in the “Options” under “Voltages”).

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see “Special versions” in the “Options” under “Types of construction”).

1) If motors 1LG6 183-... to 1LG6 317-... (motor series 1LG6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7, IM V6 or IM V5 without protective cover are fixed to the wall, it is recommended that the motor feet are supported.

2) 1LG6 220-... to 1LG6 317-... motors (motor series 1LG6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be rotated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

3) The “Second shaft extension” option, order code **K16** is not possible.

4) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

5) Not possible for type of construction IM V6 and IM V5 without protective cover.

Rated output at 50 Hz	Frame size	Operating values at rated output					Rated current at 50 Hz 400 V	Locked-rotor torque	Locked-rotor current	Break-down torque	Torque class	Moment of inertia	Order No. For Order No. supplements for voltage and type of construction, see table below	Price	Weight
		Rated speed at 50 Hz	Rated torque at 50 Hz	Efficiency at 50 Hz 4/4-load	Power factor at 50 Hz 4/4-load	with direct starting as multiple of rated torque		with direct starting current	torque						
$P_{rated}$ kW	FS	$n_{rated}$ rpm	$T_{rated}$ Nm	$\eta_{rated}$ %	$\cos\varphi_{rated}$	$I_{rated}$ A	$T_{LR}/T_{rated}$	$I_{LR}/I_{rated}$	$T_B/T_{rated}$	CL	$J$ kg m <sup>2</sup>			Type of construction IM B3 approx. $m$ kg	
<b>6-pole, 1000 rpm at 50 Hz, cooling method IC 411, IP55 degree of protection, with test certificate according to EN 12101-3</b>															
1.5	100 L	925	15	69.0	0.70	4.5	2.3	4.0	2.3	16	0.0063	<b>1LA6 106-6UAQQ</b>		32	
2.2	112 M	940	22	72.0	0.74	6.1	2.1	4.4	2.3	16	0.011	<b>1LA6 113-6UAQQ</b>		43	
3	132 S	950	30	74.0	0.75	7.8	1.6	4.1	1.7	16	0.015	<b>1LA6 130-6UAQQ</b>		54	
4	132 M	950	40	76.0	0.76	10	1.7	4.6	2.1	16	0.019	<b>1LA6 133-6UAQQ</b>		63	
5.5	132 M	950	55	75.0	0.76	14	2.0	5.0	2.3	16	0.025	<b>1LA6 134-6UAQQ</b>		74	
7.5	160 M	970	75	75.0	0.72	20	2.0	5.0	2.4	16	0.041	<b>1LA6 163-6UAQQ</b>		110	
11	160 L	970	109	80.0	0.72	27.5	2.0	5.0	2.5	16	0.049	<b>1LA6 166-6UAQQ</b>		132	
15	180 L	974	147	88.7	0.82	30	2.2	5.2	2.3	16	0.203	<b>1LG6 186-6UAQQ</b>		175	
18.5	200 L	975	181	89.4	0.82	36.5	2.2	5.3	2.3	16	0.285	<b>1LG6 206-6UAQQ</b>		210	
22	200 L	975	215	90.5	0.83	42.5	2.2	5.4	2.3	16	0.362	<b>1LG6 207-6UAQQ</b>		240	
30	225 M	980	292	92.2	0.84	56	2.7	6.3	2.8	16	0.629	<b>1LG6 223-6UAQQ</b>		325	
37	250 M	984	359	92.6	0.84	69	2.8	6.5	2.4	16	0.934	<b>1LG6 253-6UAQQ</b>		405	
45	280 S	986	436	92.3	0.86	82	2.8	6.3	2.5	16	1.37	<b>1LG6 280-6UAQQ</b>		520	
55	280 M	986	533	92.8	0.86	99	3.1	6.8	2.7	16	1.65	<b>1LG6 283-6UAQQ</b>		570	
75	315 S	990	723	93.7	0.84	138	2.7	7.0	2.9	16	2.50	<b>1LG6 310-6UAQQ</b>		760	
90	315 M	988	870	94.2	0.85	162	2.6	7.1	2.8	16	3.20	<b>1LG6 313-6UAQQ</b>		935	
110	315 L	988	1063	94.5	0.85	198	2.8	7.2	2.8	16	4.02	<b>1LG6 316-6UAQQ</b>		1010	
132	315 L	990	1273	94.9	0.85	235	3.0	7.5	3.0	16	4.71	<b>1LG6 317-6UAQQ</b>		1180	
160	315 L	988	1546	94.9	0.86	285	3.1	7.5	3.0	16	5.39	<b>1LG6 318-6UAQQ</b>		1245	

## Order No. supplements

Motor type	Penultimate position: Voltage code				Final position: Type of construction code								
	50 Hz				Without flange	With flange				With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	IM B3/6/7/8, IM V6, IM V5 without protective cover <sup>1)</sup>	IM B5, IM V3 <sup>2)</sup>	IM V1 without protective cover <sup>2)</sup>	IM V1 with protective cover <sup>2)3)</sup>	IM B35	IM B14, IM V19, IM V18 without protective cover	IM B34	IM B14, IM V19, IM V18 without protective cover	
	1	6	3	5	0	1	1	8	4	6	2	7	3
1LA6 10 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LA6 11 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LA6 13 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LA6 16 . . . . □□	○	○	○	○	□	✓	✓	–	✓	✓	✓	✓	✓
1LG6 18 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 20 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 22 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 25 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 28 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 310 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 313 . . . . □□	○	○	○	○	□	✓ <sup>4)</sup>	✓	–	✓	✓	–	–	–
1LG6 316 . . . . □□	–	○	–	○	□ <sup>5)</sup>	–	–	✓	✓	✓	–	–	–
1LG6 317 . . . . □□	–	○	–	○	□ <sup>5)</sup>	–	–	✓	✓	✓	–	–	–
1LG6 318 . . . . □□	–	○	–	○	□ <sup>5)</sup>	–	–	✓	✓	✓	–	–	–

- Standard version
- Without additional charge
- ✓ With additional charge
- Not possible

Order other voltages with voltage code **9** in the penultimate position and with order code **L1Y** (see “Special versions” in the “Options” under “Voltages”).

Order other types of construction with type of construction code **9** in the final position and the corresponding order code (see “Special versions” in the “Options” under “Types of construction”).

1) If motors 1LG6 183-... to 1LG6 318-... (motor series 1LG6 frame sizes 180 M to 315 L) in types of construction with feet IM B6, IM B7, IM V6 or IM V5 without protective cover are fixed to the wall, it is recommended that the motor feet are supported.

2) 1LG6 220-... to 1LG6 318-... motors (motor series 1LG6 frame sizes 225 S to 315 L) are supplied with two screw-in eyebolts in accordance with IM B5, whereby one can be rotated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

3) The “Second shaft extension” option, order code **K16** is not possible.

4) Type of construction IM V3 is only possible using type of construction code **9** and order code **M1G**.

5) Not possible for type of construction IM V6 and IM V5 without protective cover.