

Rated output at		Frame size	Operating characteristics at rated output							Order No.	Price	Weight
50 Hz	60 Hz		Rated speed at 50 Hz	Rated torque at 50 Hz	Relevant for IE changeover							
					Efficiency Class according to IEC 60034-30 standard	Efficiency at 50 Hz 100 %-load	Efficiency at 50 Hz 75 %-load	Power factor at 50 Hz 100 %-load	Rated current at 400 V, 50 Hz			
P_{rated} kW	P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm	η_{rated} %	η_{rated} %	$\cos\varphi_{\text{rated}}$	I_{rated} A	For Order No. supplements for voltage and type of construction, see table below	IM B3 type of construction approx.		
2-pole, 3000 rpm at 50 Hz, 3600 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection												
3	3.45	100 L	2890	9.9	IE1	81.5	81.5	0.85	6.3	1LA6 106-2AA□□	34	
4	4.6	112 M	2905	13	IE1	83.1	83.1	0.86	8.1	1LA6 113-2AA□□	43	
5.5	6.3	132 S	2925	18	IE1	84.7	84.7	0.89	10.5	1LA6 130-2AA□□	53	
7.5	8.6	132 S	2930	24	IE1	86	86.0	0.89	14.1	1LA6 131-2AA□□	58	
11	12.6	160 M	2940	36	IE1	87.6	87.6	0.88	20.5	1LA6 163-2AA□□	96	
15	17.3	160 M	2940	49	IE1	88.7	88.8	0.9	27.0	1LA6 164-2AA□□	105	
18.5	21.3	160 L	2940	60	IE1	89.3	89.4	0.91	33.0	1LA6 166-2AA□□	115	
22	24.5	180 M	2945	71	IE1	89.9	89.9	0.86	41 ¹⁾	1LG4 183-2AA□□	145	
30	33.5	200 L	2950	97	IE1	90.7	90.8	0.88	54 ¹⁾	1LG4 206-2AA□□	205	
37	41.5	200 L	2955	120	IE1	91.2	91.5	0.89	66 ¹⁾	1LG4 207-2AA□□	225	
45	51	225 M	2960	145	IE1	91.7	92.0	0.88	80 ¹⁾	1LG4 223-2AA□□	285	
55	62	250 M	2970	177	IE1	92.1	92.3	0.88	98	1LG4 253-2AB□□	375	
75	84	280 S	2975	241	IE1	92.7	92.5	0.87	134 ¹⁾	1LG4 280-2AB□□	500	
90	101	280 M	2975	289	IE1	93.0	93.1	0.89	157 ¹⁾	1LG4 283-2AB□□	540	
110	123	315 S	2982	352	IE1	93.3	92.5	0.87	196 ¹⁾	1LG4 310-2AB□□	720	
132	148	315 M	2982	423	IE1	93.5	93.2	0.9	225 ¹⁾	1LG4 313-2AB□□	775	
160	180	315 L	2982	512	IE1	93.8	93.6	0.91	270 ²⁾	1LG4 316-2AB□□	900	
200	224	315 L	2982	641	IE1	94.0	93.9	0.92	330 ²⁾	1LG4 317-2AB□□	1015	

Order No. supplements

Motor type	Penultimate position: Voltage code								Final position: Type of construction code							
	50 Hz				60 Hz				Without flange		With flange		With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	460 VY	460 VΔ	(see "Introduction" for outputs at 60 Hz)		IM B3/6/7/8, IM V6, IM V5 without protective cover ³⁾	IM B5, IM V1 without protective cover IM V3 ⁴⁾	IM V1 without protective cover ⁴⁾	IM V1 with protective cover ^{4) 5)}	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	1	6			0	1	8	4	6	2	7	3
1LA6 10 □□	○	○	○	○	○	○			□	✓	–	✓	✓	✓	✓	✓
1LA6 11 □□	○	○	○	○	○	○			□	✓	–	✓	✓	✓	✓	✓
1LA6 13 □□	○	○	○	○	○	○			□	✓	–	✓	✓	✓	✓	✓
1LA6 16 □□	○	○	○	○	○	○			□	✓	–	✓	✓	✓	✓	✓
1LG4 18 □□	○	○	○	○	○	○			□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 20 □□	○	○	○	○	○	○			□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 22 □□	○	○	○	○	○	○			□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 25 □□	○	○	○	○	○	○			□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 28 □□	○	○	○	○	○	○			□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 310 □□	○	○	○	○	○	○			□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 313 □□																
1LG4 316 □□	–	○	–	○	–	○			□ ⁷⁾	–	✓ ⁸⁾	✓ ⁸⁾	✓	–	–	–
1LG4 317 □□																

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

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (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").

For footnotes, see Page 2 bottom.

Order No.	Locked-rotor torque with direct starting torque	Locked-rotor current as multiple of rated current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output	
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm ²	Measuring surface sound pressure level at 50 Hz L_{pA} dB(A)	Sound pressure level at 50 Hz L_{WA} dB(A)
2-pole, 3000 rpm at 50 Hz, 3600 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection							
1LA6 106-2AAQQ	2.8	6.8	3	16	0.0035	62	74
1LA6 113-2AAQQ	2.6	7.2	2.9	16	0.0059	63	75
1LA6 130-2AAQQ	2	5.9	2.8	16	0.015	68	80
1LA6 131-2AAQQ	2.3	6.9	3	16	0.019	68	80
1LA6 163-2AAQQ	2.1	6.5	2.9	16	0.034	70	82
1LA6 164-2AAQQ	2.2	6.6	3	16	0.043	70	82
1LA6 166-2AAQQ	2.4	7	3.1	16	0.051	70	82
1LG4 183-2AAQQ	2.5	6.4	3.4	16	0.068	67	80
1LG4 206-2AAQQ	2.3	6.5	3	16	0.13	73	86
1LG4 207-2AAQQ	2.5	7.2	3.3	16	0.15	73	86
1LG4 223-2AAQQ	2.4	6.7	3.1	16	0.22	73	86
1LG4 253-2ABQQ	2.1	6.7	3.1	13	0.4	75	88
1LG4 280-2ABQQ	2.5	7.5	3.1	13	0.72	74	87
1LG4 283-2ABQQ	2.6	7.2	3.1	13	0.83	74	87
1LG4 310-2ABQQ	2.4	7.2	3.1	13	1.2	80	94
1LG4 313-2ABQQ	2.4	6.9	3	13	1.4	80	94
1LG4 316-2ABQQ	2.4	7	3	13	1.6	80	94
1LG4 317-2ABQQ	2.3	6.7	2.9	13	2.1	80	94

1) For connection to 230 V, parallel supply cables are necessary (see Catalog D 81.1 part 0 "Introduction", "Connection, circuit and connection box").

2) For connection to 400 V, parallel supply cables are necessary (see Catalog D 81.1 part 0 "Introduction", "Connection, circuit and connection box").

3) If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 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.

4) 1LG4 220-... to 1LG4 318-... motors (motor series 1LG4 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.

5) The "Second shaft extension" option, order code **K16** is not possible.

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

7) Type of construction IM V6 and IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** or **M1D**.

8) 2-pole motors in 60 Hz version available on request.

Rated output at		Frame size	Operating characteristics at rated output							Order No.	Price	Weight
50 Hz	60 Hz		Rated speed at 50 Hz	Rated torque at 50 Hz	Relevant for IE changeover			Power factor at 50 Hz 100 %-load	Rated current at 400 V, 50 Hz			
					Efficiency Class according to IEC 60034-30 standard	Efficiency at 50 Hz 100 %-load	Efficiency at 50 Hz 75 %-load			For Order No. supplements for voltage and type of construction, see table below	IM B3 type of construction approx.	
P_{rated} kW	P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm		η_{rated} %	η_{rated} %	$\cos\varphi_{\text{rated}}$	I_{rated} A		m kg	
4-pole, 1500 rpm at 50 Hz, 1800 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection												
2.2	2.55	100 L	1420	15	IE1	79.7	80.0	0.82	4.85	1LA6 106-4AA□□	33	
3	3.45	100 L	1420	20	IE1	81.5	81.8	0.82	6.5	1LA6 107-4AA□□	36	
4	4.6	112 M	1440	27	IE1	83.1	83.4	0.83	8.4	1LA6 113-4AA□□	45	
5.5	6.3	132 S	1455	36	IE1	84.7	84.7	0.81	11.6	1LA6 130-4AA□□	55	
7.5	8.6	132 M	1455	49	IE1	86	86.4	0.82	15.4	1LA6 133-4AA□□	62	
11	12.6	160 M	1460	72	IE1	87.6	88.0	0.84	21.5	1LA6 163-4AA□□	100	
15	17.3	160 L	1460	98	IE1	88.7	88.8	0.84	29	1LA6 166-4AA□□	114	
18.5	21.3	180 M	1465	121	IE1	89.3	89.7	0.84	35.5 ¹⁾	1LG4 183-4AA□□	140	
22	25.3	180 L	1465	143	IE1	89.9	90.4	0.84	42 ¹⁾	1LG4 186-4AA□□	155	
30	34.5	200 L	1465	196	IE1	90.7	91.1	0.85	56 ¹⁾	1LG4 207-4AA□□	205	
37	42.5	225 S	1475	240	IE1	91.2	91.6	0.85	69 ¹⁾	1LG4 220-4AA□□	265	
45	52	225 M	1475	291	IE1	91.7	92.2	0.86	82 ¹⁾	1LG4 223-4AA□□	300	
55	63	250 M	1480	355	IE1	92.1	92.4	0.85	101	1LG4 253-4AA□□	390	
75	86	280 S	1485	482	IE1	92.7	92.6	0.85	137 ¹⁾	1LG4 280-4AA□□	535	
90	104	280 M	1485	579	IE1	93.0	93.0	0.86	162 ¹⁾	1LG4 283-4AA□□	580	
110	127	315 S	1488	706	IE1	93.3	93.3	0.85	200 ¹⁾	1LG4 310-4AA□□	730	
132	152	315 M	1488	847	IE1	93.5	93.5	0.85	240 ¹⁾	1LG4 313-4AA□□	810	
160	184	315 L	1486	1028	IE1	93.8	93.9	0.86	285 ²⁾	1LG4 316-4AA□□	955	
200	230	315 L	1486	1285	IE1	94.0	94.2	0.88	350 ²⁾	1LG4 317-4AA□□	1060	

Order No. supplements

Motor type	Penultimate position: Voltage code						Final position: Type of construction code							
	50 Hz			60 Hz			Without flange	With flange			With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	460 VY	460 VΔ (see "Introduction" for outputs at 60 Hz)	IM B3/6/7/8, IM V6, IM V5 without protective cover ³⁾	IM B5, IM V1 without protective cover IM V3 ⁴⁾	IM V1 without protective cover ⁴⁾	IM V1 with protective cover ^{4) 5)}	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	1	6	0	1	8	4	6	2	7	3
1LA6 10 □□	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LA6 11 □□	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LA6 13 □□	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LA6 16 □□	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LG4 18 □□	○	○	○	○	○	○	□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 20 □□	○	○	○	○	○	○	□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 22 □□	○	○	○	○	○	○	□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 25 □□	○	○	○	○	○	○	□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 28 □□	○	○	○	○	○	○	□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 310 □□	○	○	○	○	○	○	□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 313 □□														
1LG4 316 □□	–	○	–	○	–	○	□ ⁷⁾	–	✓	✓	✓	–	–	–
1LG4 317 □□														

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

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (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").

For footnotes, see Page 4 bottom.

Order No.	Locked-rotor torque with direct starting torque	Locked-rotor current as multiple of rated current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output	
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm ²	Measuring surface sound pressure level at 50 Hz L_{pA} dB(A)	Sound pressure level at 50 Hz L_{WA} dB(A)
4-pole, 1500 rpm at 50 Hz, 1800 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection							
1LA6 106-4AAQQ	2.5	5.6	2.8	16	0.0047	53	65
1LA6 107-4AAQQ	2.7	5.6	3	16	0.0055	53	65
1LA6 113-4AAQQ	2.7	6	3	16	0.012	53	65
1LA6 130-4AAQQ	2.5	6.3	3.1	16	0.018	62	74
1LA6 133-4AAQQ	2.7	6.7	3.2	16	0.023	62	74
1LA6 163-4AAQQ	2.2	6.2	2.7	16	0.043	66	78
1LA6 166-4AAQQ	2.6	6.5	3	16	0.055	66	78
1LG4 183-4AAQQ	2.4	6.7	3.1	16	0.099	65	78
1LG4 186-4AAQQ	2.5	6.9	3.2	16	0.12	65	78
1LG4 207-4AAQQ	2.5	6.7	3.4	16	0.19	66	79
1LG4 220-4AAQQ	2.3	6.7	3.1	16	0.37	66	79
1LG4 223-4AAQQ	2.6	7.2	3.2	16	0.45	66	79
1LG4 253-4AAQQ	2.4	6.1	2.8	16	0.69	65	78
1LG4 280-4AAQQ	2.5	7.1	3	16	1.2	70	84
1LG4 283-4AAQQ	2.5	7.4	3	16	1.4	70	84
1LG4 310-4AAQQ	2.5	6.4	2.8	16	1.9	70	84
1LG4 313-4AAQQ	2.7	6.8	2.9	16	2.3	71	85
1LG4 316-4AAQQ	2.7	6.8	2.8	16	2.9	71	85
1LG4 317-4AAQQ	2.6	6.5	2.8	16	3.5	71	85

1) For connection to 230 V, parallel supply cables are necessary (see Catalog D 81.1 part 0 "Introduction", "Connection, circuit and connection box").

2) For connection to 400 V, parallel supply cables are necessary (see Catalog D 81.1 part 0 "Introduction", "Connection, circuit and connection box").

3) If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 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.

4) 1LG4 220-... to 1LG4 318-... motors (motor series 1LG4 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.

5) The "Second shaft extension" option, order code **K16** is not possible.

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

7) Type of construction IM V6 and IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** or **M1D**.

Rated output at		Frame size	Operating characteristics at rated output							Order No.	Price	Weight
50 Hz	60 Hz		Rated speed at 50 Hz	Rated torque at 50 Hz	Relevant for IE changeover							
					Efficiency Class according to IEC 60034-30 standard	Efficiency at 50 Hz 100 %-load	Efficiency at 50 Hz 75 %-load	Power factor at 50 Hz 100 %-load	Rated current at 400 V, 50 Hz			
P_{rated} kW	P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm		η_{rated} %	η_{rated} %	$\cos\varphi_{\text{rated}}$	I_{rated} A	For Order No. supplements for voltage and type of construction, see table below		m kg
6-pole, 1000 rpm at 50 Hz, 1200 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection												
1.5	1.75	100 L	925	15		74	74	0.75	3.9	1LA6 106-6AA□□		33
2.2	2.55	112 M	940	22		78	78.5	0.78	5.2	1LA6 113-6AA□□		40
3	3.45	132 S	950	30		79	79.5	0.76	7.2	1LA6 130-6AA□□		50
4	4.6	132 M	950	40		80.5	80.5	0.76	9.4	1LA6 133-6AA□□		57
5.5	6.3	132 M	950	55		83	83	0.76	12.6	1LA6 134-6AA□□		66
7.5	8.6	160 M	960	75		86	86	0.74	17	1LA6 163-6AA□□		103
11	12.6	160 L	960	109		87.5	87.5	0.74	24.5	1LA6 166-6AA□□		122
15	18	180 L	965	148	IE1	87.7	88.1	0.83	29.5	1LG4 186-6AA□□		150
18.5	22	200 L	975	181	IE1	88.6	89.0	0.81	37	1LG4 206-6AA□□		195
22	26.5	200 L	975	215	IE1	89.2	89.9	0.81	44	1LG4 207-6AA□□		205
30	36	225 M	978	293	IE1	90.2	91.2	0.83	58 ¹⁾	1LG4 223-6AA□□		280
37	44.5	250 M	980	361	IE1	90.8	91.5	0.83	71	1LG4 253-6AA□□		370
45	54	280 S	985	436	IE1	91.4	92.1	0.85	84	1LG4 280-6AA□□		475
55	66	280 M	985	533	IE1	91.9	92.5	0.86	100	1LG4 283-6AA□□		510
75	90	315 S	988	725	IE1	92.6	92.8	0.84	139	1LG4 310-6AA□□		685
90	108	315 M	988	870	IE1	92.9	93.2	0.84	166 ¹⁾	1LG4 313-6AA□□		750
110	132	315 L	988	1063	IE1	93.3	93.6	0.86	198	1LG4 316-6AA□□		890
132	158	315 L	988	1276	IE1	93.5	93.7	0.86	235	1LG4 317-6AA□□		980
160	192	315 L	988	1547	IE1	93.8	93.9	0.86	285 ²⁾	1LG4 318-6AA□□		1180

Order No. supplements

Motor type	Penultimate position: Voltage code							Final position: Type of construction code							
	50 Hz			60 Hz				Without flange	With flange			With standard flange		With special flange	
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	460 VY	460 VΔ	(see "Introduction" for outputs at 60 Hz)	IM B3/6/7/8, IM V6, IM V5 without protective cover ³⁾	IM B5, IM V1 without protective cover ⁴⁾	IM V1 without protective cover ⁴⁾	IM V1 with protective cover ⁵⁾	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	1	6		0	1	8	4	6	2	7	3
1LA6 10 □□	○	○	○	○	○	○		□	✓	–	✓	✓	✓	✓	✓
1LA6 11 □□	○	○	○	○	○	○		□	✓	–	✓	✓	✓	✓	✓
1LA6 13 □□	○	○	○	○	○	○		□	✓	–	✓	✓	✓	✓	✓
1LA6 16 □□	○	○	○	○	○	○		□	✓	–	✓	✓	✓	✓	✓
1LG4 18 □□	○	○	○	○	○	○		□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 20 □□	○	○	○	○	○	○		□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 22 □□	○	○	○	○	○	○		□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 25 □□	○	○	○	○	○	○		□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 28 □□	○	○	○	○	○	○		□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 310 □□	○	○	○	○	○	○		□	✓ ⁶⁾	–	✓	✓	–	–	–
1LG4 313 □□															
1LG4 316 □□	–	○	–	○	–	○		□ ⁷⁾	–	✓	✓	✓	–	–	–
1LG4 317 □□															
1LG4 318 □□															

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

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (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”).

For footnotes, see Page 6 bottom.

Order No.	Locked-rotor torque with direct starting torque	Locked-rotor current as multiple of rated current	Breakdown torque	Torque class	Moment of inertia	Noise at rated output	
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm ²	Measuring surface sound pressure level at 50 Hz L_{pA} dB(A)	Sound pressure level at 50 Hz L_{WA} dB(A)
6-pole, 1000 rpm at 50 Hz, 1200 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection							
1LA6 106-6AAQQ	2.3	4	2.3	16	0.0047	47	59
1LA6 113-6AAQQ	2.2	4.6	2.5	16	0.0091	52	64
1LA6 130-6AAQQ	1.9	4.2	2.2	16	0.015	63	75
1LA6 133-6AAQQ	2.1	4.5	2.4	16	0.019	63	75
1LA6 134-6AAQQ	2.3	5	2.6	16	0.025	63	75
1LA6 163-6AAQQ	2.1	4.6	2.5	16	0.044	66	78
1LA6 166-6AAQQ	2.3	4.8	2.6	16	0.063	66	78
1LG4 186-6AAQQ	2.3	5.3	2.5	16	0.18	57	73
1LG4 206-6AAQQ	2.5	5.6	2.5	16	0.24	58	73
1LG4 207-6AAQQ	2.6	5.7	2.5	16	0.29	58	73
1LG4 223-6AAQQ	2.7	5.6	2.5	16	0.49	59	73
1LG4 253-6AAQQ	2.7	6	2.3	16	0.76	60	75
1LG4 280-6AAQQ	2.4	6.1	2.4	16	1.1	61	75
1LG4 283-6AAQQ	2.5	6.3	2.5	16	1.4	61	75
1LG4 310-6AAQQ	2.5	6.5	2.8	16	2.1	63	77
1LG4 313-6AAQQ	2.6	6.8	2.9	16	2.5	63	77
1LG4 316-6AAQQ	2.5	6.8	2.9	16	3.2	64	78
1LG4 317-6AAQQ	3.1	7.3	3	16	4	64	78
1LG4 318-6AAQQ	3	7.5	3	16	4.7	65	79

1) For connection to 230 V, parallel supply cables are necessary (see Catalog D 81.1 part 0 "Introduction", "Connection, circuit and connection box").

2) For connection to 400 V, parallel supply cables are necessary (see Catalog D 81.1 part 0 "Introduction", "Connection, circuit and connection box").

3) If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 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.

4) 1LG4 220-... to 1LG4 318-... motors (motor series 1LG4 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.

5) The "Second shaft extension" option, order code **K16** is not possible.

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

7) Type of construction IM V6 and IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** or **M1D**.

Rated output at		Frame size	Operating characteristics at rated output							Order No.	Price	Weight
50 Hz	60 Hz		Rated speed at 50 Hz	Rated torque at 50 Hz	Relevant for IE changeover			Power factor at 50 Hz 100 %-load	Rated current at 400 V, 50 Hz			
		Efficiency Class according to IEC 60034-30 standard			Efficiency at 50 Hz 100 %-load	Efficiency at 50 Hz 75 %-load	For Order No. supplements for voltage and type of construction, see table below					IM B3 type of construction approx.
P_{rated} kW	P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm		η_{rated} %	η_{rated} %	$\cos\varphi_{rated}$	I_{rated} A			m kg
8-pole, 750 rpm at 50 Hz, 900 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection												
0.75	0.86	100 L	680	11		66	65	0.76	2.15	1LA6 106-8ABQQ	29	
1.1	1.3	100 L	680	15		72	72	0.76	2.9	1LA6 107-8ABQQ	32	
1.5	1.75	112 M	705	20		74	74	0.76	3.85	1LA6 113-8ABQQ	39	
2.2	2.55	132 S	700	30		75	75	0.74	5.7	1LA6 130-8ABQQ	50	
3	3.45	132 M	700	41		77	77.5	0.74	7.6	1LA6 133-8ABQQ	57	
4	4.6	160 M	715	53		80	80	0.72	10	1LA6 163-8ABQQ	91	
5.5	6.3	160 M	710	74		83.5	83.5	0.73	13	1LA6 164-8ABQQ	102	
7.5	8.6	160 L	715	100		85.5	85.5	0.72	17.6	1LA6 166-8ABQQ	122	
11	13.2	180 L	725	145		87.5	88.3	0.73	25	1LG4 186-8ABQQ	150	
15	18	200 L	725	198		87.7	88.4	0.76	32.5	1LG4 207-8ABQQ	205	
18.5	22	225 S	730	242		89.4	90.4	0.78	38.5	1LG4 220-8ABQQ	270	
22	26.5	225 M	730	288		89.7	90.7	0.79	45	1LG4 223-8ABQQ	290	
30	36	250 M	730	392		91.4	92.2	0.81	58	1LG4 253-8ABQQ	385	
37	44.5	280 S	735	481		92	92.8	0.81	72	1LG4 280-8ABQQ	475	
45	54	280 M	735	585		92.4	93.3	0.81	87	1LG4 283-8ABQQ	515	
55	66	315 S	740	710		93	93.4	0.81	106	1LG4 310-8ABQQ	680	
75	90	315 M	738	971		93.3	94	0.83	140	1LG4 313-8ABQQ	745	
90	108	315 L	738	1165		93.4	94	0.83	168	1LG4 316-8ABQQ	865	
110	132	315 L	738	1423		94	94.4	0.83	205	1LG4 317-8ABQQ	1020	
132	158	315 L	738	1708		94.2	94.6	0.83	245	1LG4 318-8ABQQ	1100	

Order No. supplements

Motor type	Penultimate position: Voltage code							Final position: Type of construction code						
	50 Hz		60 Hz		Without flange		With flange		With standard flange		With special flange			
	230 VΔ/400 VY	400 VΔ/690 VY	500 VY	500 VΔ	460 VY	460 VΔ	IM B3/6/7/8, IM V6, IM V5 without protective cover 1)	IM B5, IM V1 without protective cover 2)	IM V1 without protective cover 2)	IM V1 with protective cover 2)3)	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	1	6	0	1	8	4	6	2	7	3
1LA6 10 QQ	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LA6 11 QQ	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LA6 13 QQ	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LA6 16 QQ	○	○	○	○	○	○	□	✓	–	✓	✓	✓	✓	✓
1LG4 18 QQ	○	○	○	○	○	○	□	✓ ⁴⁾	–	✓	✓	–	–	–
1LG4 20 QQ	○	○	○	○	○	○	□	✓ ⁴⁾	–	✓	✓	–	–	–
1LG4 22 QQ	○	○	○	○	○	○	□	✓ ⁴⁾	–	✓	✓	–	–	–
1LG4 25 QQ	○	○	○	○	○	○	□	✓ ⁴⁾	–	✓	✓	–	–	–
1LG4 28 QQ	○	○	○	○	○	○	□	✓ ⁴⁾	–	✓	✓	–	–	–
1LG4 310 QQ	○	○	○	○	○	○	□	✓ ⁴⁾	–	✓	✓	–	–	–
1LG4 313 QQ														
1LG4 316 QQ	–	○	–	○	–	○	□ ⁵⁾	–	✓	✓	✓	–	–	–
1LG4 317 QQ														
1LG4 318 QQ														

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

Order other voltages with voltage code **9** in the penultimate position and the corresponding order code (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”).

For footnotes, see Page 8 bottom.

Order No.	Locked-rotor torque with direct starting torque	Locked-rotor current as multiple of rated current	Breakdown torque torque	Torque class	Moment of inertia	Noise at rated output	
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm ²	Measuring surface sound pressure level at 50 Hz L_{pA} dB(A)	Sound pressure level at 50 Hz L_{WA} dB(A)
8-pole, 750 rpm at 50 Hz, 900 rpm at 60 Hz, temperature class 155 (F), IP55 degree of protection							
1LA6 106-8ABQQ	1.6	3	1.9	13	0.0051	45	57
1LA6 107-8ABQQ	1.8	3.3	2.1	13	0.0063	45	57
1LA6 113-8ABQQ	1.8	3.7	2.1	13	0.013	49	61
1LA6 130-8ABQQ	1.9	3.9	2.3	13	0.014	53	65
1LA6 133-8ABQQ	2.1	4.1	2.4	13	0.019	53	65
1LA6 163-8ABQQ	2.2	4.5	2.6	13	0.036	63	75
1LA6 164-8ABQQ	2.3	4.7	2.7	13	0.046	63	75
1LA6 166-8ABQQ	2.7	5.3	3	13	0.064	63	75
1LG4 186-8ABQQ	1.7	4.2	2.1	13	0.17	66	79
1LG4 207-8ABQQ	2.2	4.9	2.6	13	0.29	67	70
1LG4 220-8ABQQ	2.3	5.5	2.7	13	0.48	57	70
1LG4 223-8ABQQ	2.3	5.6	2.8	13	0.55	54	73
1LG4 253-8ABQQ	2.3	5.5	2.6	13	0.84	55	73
1LG4 280-8ABQQ	2.2	5	2.1	13	1.1	56	74
1LG4 283-8ABQQ	2.2	5.1	2.1	13	1.4	58	74
1LG4 310-8ABQQ	2.2	5.8	2.6	13	2.1	64	78
1LG4 313-8ABQQ	2.2	5.7	2.6	13	2.5	64	78
1LG4 316-8ABQQ	2.2	5.8	2.7	13	3.1	64	78
1LG4 317-8ABQQ	2.4	6.1	2.8	13	3.9	64	78
1LG4 318-8ABQQ	2.5	6.5	2.9	13	4.5	64	78

¹⁾ If motors 1LG4 183-... to 1LG4 318-... (motor series 1LG4 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⁾ 1LG4 220-... to 1LG4 318-... motors (motor series 1LG4 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⁾ Type of construction IM V6 and IM V5 without protective cover is only possible using type of construction code **9** and order code **M1E** or **M1D**.