Rated output at 50 Hz	Frame size	Operating characteristics at rated output		Relevant for IE changeover					Order No.	Price	Weight
		Rated speed at 50 Hz	Rated torque at 50 Hz	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	For Order No. supplements for voltage, type of construction and explosion protection zones according to ATEX, see tables below		IM B3 type of construction approx.
P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm		η_{rated} %	η_{rated} %	cosφ rated	I_{rated} A			m kg
2-pole, 3000 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection											
22	180 M	2955	71	IE2	91.3	91.7	0.88	39.5 [1]	**1LG6 183-2AA❑❑**		180
30	200 L	2960	97	IE2	92.0	91.9	0.88	53 [1]	**1LG6 206-2AA❑❑**		225
37	200 L	2960	119	IE2	92.5	92.4	0.89	65 [1]	**1LG6 207-2AA❑❑**		255
45	225 M	2965	145	IE2	92.9	93.1	0.89	79 [1]	**1LG6 223-2AA❑❑**		330
55	250 M	2975	177	IE2	93.2	93.2	0.9	95	**1LG6 253-2AA❑❑**		420
75	280 S	2975	241	IE2	93.8	93.8	0.89	130 [1]	**1LG6 280-2AB❑❑**		530
90	280 M	2978	289	IE2	94.1	94.2	0.9	153 [1]	**1LG6 283-2AB❑❑**		615
110	315 S	2982	352	IE2	94.3	94.2	0.91	185 [1]	**1LG6 310-2AB❑❑**		790
132	315 M	2982	423	IE2	94.6	94.5	0.91	220 [1]	**1LG6 313-2AB❑❑**		915
160	315 L	2982	512	IE2	94.8	94.8	0.92	265	**1LG6 316-2AB❑❑**		1055
200	315 L	2982	641	IE2	95.0	95.0	0.93	325	**1LG6 317-2AB❑❑**		1245
4-pole, 1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection											
18.5	180 M	1470	120	IE2	91.2	91.8	0.83	35.5 [1]	**1LG6 183-4AA❑❑**		155
22	180 L	1470	143	IE2	91.6	91.9	0.84	41.5 [1]	**1LG6 186-4AA❑❑**		180
30	200 L	1470	195	IE2	92.3	92.4	0.85	55 [1]	**1LG6 207-4AA❑❑**		225
37	225 S	1480	239	IE2	92.7	93.1	0.85	68 [1]	**1LG6 220-4AA❑❑**		290
45	225 M	1480	290	IE2	93.1	93.3	0.85	82 [1]	**1LG6 223-4AA❑❑**		330
55	250 M	1485	354	IE2	93.5	93.7	0.87	98	**1LG6 253-4AA❑❑**		460
75	280 S	1485	482	IE2	94.0	94.1	0.87	132 [1]	**1LG6 280-4AA❑❑**		575
90	280 M	1486	578	IE2	94.2	94.3	0.86	160 [1]	**1LG6 283-4AA❑❑**		675
110	315 S	1488	706	IE2	94.5	94.6	0.87	193 [1]	**1LG6 310-4AA❑❑**		810
132	315 M	1488	847	IE2	94.7	94.8	0.88	230 [1]	**1LG6 313-4AA❑❑**		965
160	315 L	1490	1026	IE2	94.9	95.0	0.88	275 [2]	**1LG6 316-4AA❑❑**		1105
200	315 L	1490	1282	IE2	95.1	95.2	0.88	345 [2]	**1LG6 317-4AA❑❑**		1305

Special versions according to ATEX

Motor type		**Zone 2**		**VIK** (includes Zone 2) [3]		**Zone 21**		**Zone 22**	
		Mains-fed operation	Converter-fed operation (FC)	Mains-fed operation	Converter-fed operation (FC)	Mains-fed operation	Converter-fed operation (FC)	Mains-fed operation	Converter-fed operation (FC)
	Frame size	Order code **M72**	Order code **M73**	Order code **K30**	On request	Order code **M34**	Order code **M38**	Order code **M35**	Order code **M39**
1LG6	180	✓	✓	✓	✓	✓	✓	✓	✓
	200	✓	✓	✓	✓	✓	✓	✓	✓
	225	✓	✓	✓	✓	✓	✓	✓	✓
	250	✓	✓	✓	✓	✓	✓	✓	✓
	280	✓	✓	✓	✓	✓	✓	✓	✓
	315	✓	✓	✓	✓	✓	✓	✓	✓

✓ With additional charge

The motors can also be orderd in design for Zones 2 and 22 for non-conducting dust (IP55):
Mains-fed operation – order code **M74**
Converter-fed operation with derating – order code **M75**
See “Special versions” in the “Options” under “Options”.

The motors can also be used for 60 Hz according to EPACT*

The motors of frame size 315 can also be used according to IEC 60034-30 “Premium Efficiency” IE3.

[1] For connection to 230 V, parallel feeders are necessary.

[2] For connection to 400 V, parallel feeders are necessary.

[3] If the marking Ex nA II is required in addition to VIK on the rating plate, this must be ordered using order code **C27**. The VIK version is not possible in combination with Zone 21 and 22.

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	
						Measuring surface sound pressure level at 50 Hz	Sound pressure level at 50 Hz
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm²	L_{pfA} dB(A)	L_{WA} dB(A)
2-pole, 3000 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection							
1LG6 183-2AA❑❑	2.5	7.2	3.4	16	0.086	67	80
1LG6 206-2AA❑❑	2.4	7	3.3	16	0.15	71	84
1LG6 207-2AA❑❑	2.5	7.2	3.3	16	0.18	71	84
1LG6 223-2AA❑❑	2.5	7.3	3.2	16	0.27	71	84
1LG6 253-2AA❑❑	2.4	6.8	3	16	0.47	71	84
1LG6 280-2AB❑❑	2.5	7	3	13	0.83	73	86
1LG6 283-2AB❑❑	2.6	7.6	3.1	13	1	73	86
1LG6 310-2AB❑❑	2.4	6.9	2.8	13	1.4	76	89
1LG6 313-2AB❑❑	2.6	7.1	2.9	13	1.6	76	89
1LG6 316-2AB❑❑	2.5	7.1	2.9	13	2.1	76	89
1LG6 317-2AB❑❑	2.5	6.9	2.8	13	2.5	76	89
4-pole, 1500 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection							
1LG6 183-4AA❑❑	2.5	6.4	3	16	0.12	60	73
1LG6 186-4AA❑❑	2.5	6.7	3.1	16	0.14	60	73
1LG6 207-4AA❑❑	2.6	6.7	3.3	16	0.23	62	75
1LG6 220-4AA❑❑	2.7	6.8	3	16	0.4	60	73
1LG6 223-4AA❑❑	2.8	6.9	3	16	0.49	60	73
1LG6 253-4AA❑❑	2.6	7.5	3	16	0.86	65	78
1LG6 280-4AA❑❑	2.5	6.8	2.9	16	1.4	67	80
1LG6 283-4AA❑❑	2.7	7.5	3.1	16	1.7	67	80
1LG6 310-4AA❑❑	2.7	7.1	2.9	16	2.3	68	82
1LG6 313-4AA❑❑	2.7	7.3	2.9	16	2.9	68	82
1LG6 316-4AA❑❑	3	7.4	3	16	3.5	68	82
1LG6 317-4AA❑❑	3.2	7.6	3	16	4.2	68	82

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 [1) 2)]	IM B5 [1) 3)] IM V3 [4)]	IM V1 with protective cover [1) 3) 5)]	IM B35	IM B14, IM V19 [1)]	IM B34	IM B14, IM V19 [1)]
	1	**6**	**3**	**5**	**0**	**1**	**4**	**6**	**2**	**7**	**3**
1LG6 18 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 20 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 22 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 25 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 28 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 310 - . . . ❑❑ 1LG6 313 - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 316 - . . . ❑❑ 1LG6 317 - . . . ❑❑	–	○	–	○	❑ [6)]	–	✓ [7)]	✓	–	–	–

❑ 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").

1) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version "with protective cover" is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

2) 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 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

3) 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 relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

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

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

6) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.

7) 2-pole motors in 60 Hz version available on request.

Rated output at 50 Hz	Frame size	Operating characteristics at rated output		Relevant for IE changeover					Order No.	Price	Weight
		Rated speed at 50 Hz	Rated torque at 50 Hz	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	For Order No. supplements for voltage, type of construction and explosion protection zones according to ATEX, see tables below		IM B3 type of construction approx.
P_{rated} kW	FS	n_{rated} rpm	M_{rated} Nm		η_{rated} %	η_{rated} %	cosφ rated	I_{rated} A			m kg
6-pole, 1000 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection											
15	180 L	975	147	IE2	89.7	90.5	0.81	30	**1LG6 186-6AA❑❑**		175
18.5	200 L	978	181	IE2	90.4	91.0	0.81	36.5	**1LG6 206-6AA❑❑**		210
22	200 L	978	215	IE2	90.9	91.5	0.82	42.5	**1LG6 207-6AA❑❑**		240
30	225 M	980	292	IE2	91.7	92.2	0.83	57 [1]	**1LG6 223-6AA❑❑**		325
37	250 M	985	359	IE2	92.2	92.6	0.83	70	**1LG6 253-6AA❑❑**		405
45	280 S	988	435	IE2	92.7	92.9	0.85	82	**1LG6 280-6AA❑❑**		520
55	280 M	988	532	IE2	93.1	93.3	0.85	100	**1LG6 283-6AA❑❑**		570
75	315 S	990	723	IE2	93.7	93.7	0.83	139	**1LG6 310-6AA❑❑**		760
90	315 M	990	868	IE2	94.0	94.1	0.85	163 [1]	**1LG6 313-6AA❑❑**		935
110	315 L	990	1061	IE2	94.3	94.4	0.85	198	**1LG6 316-6AA❑❑**		1010
132	315 L	990	1273	IE2	94.6	94.6	0.85	235	**1LG6 317-6AA❑❑**		1180
160	315 L	990	1543	IE2	94.8	94.9	0.86	285 [2]	**1LG6 318-6AA❑❑**		1245
8-pole, 750 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection											
11	180 L	725	145		88.7	89.6	0.76	23.5	**1LG6 186-8AB❑❑**		165
15	200 L	725	198		89.3	89.8	0.8	30.5	**1LG6 207-8AB❑❑**		235
18.5	225 S	730	242		91.1	91.8	0.81	36	**1LG6 220-8AB❑❑**		295
22	225 M	730	288		91.6	92.1	0.81	43	**1LG6 223-8AB❑❑**		335
30	250 M	735	390		92.8	93.3	0.82	57	**1LG6 253-8AB❑❑**		435
37	280 S	738	479		93.1	93.3	0.81	71	**1LG6 280-8AB❑❑**		510
45	280 M	738	582		93.7	94	0.81	86	**1LG6 283-8AB❑❑**		560
55	315 S	740	710		94.3	94.4	0.82	102	**1LG6 310-8AB❑❑**		750
75	315 M	740	968		94.5	94.7	0.83	138	**1LG6 313-8AB❑❑**		840
90	315 L	740	1161		94.7	95.1	0.84	164	**1LG6 316-8AB❑❑**		1005
110	315 L	740	1420		94.8	95.1	0.84	200	**1LG6 317-8AB❑❑**		1100
132	315 L	740	1704		94.9	95.2	0.84	240	**1LG6 318-8AB❑❑**		1270

Special versions according to ATEX

Motor type		**Zone 2**		**VIK** (includes Zone 2) [3]		**Zone 21**		**Zone 22**	
		Mains-fed operation	Converter-fed operation (FC)	Mains-fed operation	Converter-fed operation (FC)	Mains-fed operation	Converter-fed operation (FC)	Mains-fed operation	Converter-fed operation (FC)
	Frame size	Order code **M72**	Order code **M73**	Order code **K30**	On request	Order code **M34**	Order code **M38**	Order code **M35**	Order code **M39**
1LG6	180	✓	✓	✓	✓	✓	✓	✓	✓
	200	✓	✓	✓	✓	✓	✓	✓	✓
	225	✓	✓	✓	✓	✓	✓	✓	✓
	250	✓	✓	✓	✓	✓	✓	✓	✓
	280	✓	✓	✓	✓	✓	✓	✓	✓
	315	✓	✓	✓	✓	✓	✓	✓	✓

✓ With additional charge

The motors can also be orderd in design for Zones 2 and 22 for non-conducting dust (IP55):
Mains-fed operation – order code **M74**
Converter-fed operation with derating – order code **M75**
See “Special versions” in the “Options” under “Options”.

The motors can also be used for 60 Hz according to EPACT.

The motors of frame size 315 can also be used according to IEC 60034-30 “Premium Efficiency” IE3.

[1] For connection to 230 V, parallel feeders are necessary.

[2] For connection to 400 V, parallel feeders are necessary.

[3] If the marking Ex nA II is required in addition to VIK on the rating plate, this must be ordered using order code **C27**. The VIK version is not possible in combination with Zone 21 and 22.

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	
						Measuring surface sound pressure level at 50 Hz	Sound pressure level at 50 Hz
	T_{LR}/T_{rated}	I_{LR}/I_{rated}	T_B/T_{rated}	CL	J kgm²	L_{pfA} dB(A)	L_{WA} dB(A)
6-pole, 1000 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection							
1LG6 186-6AA❑❑	2.4	5.5	2.5	16	0.2	56	69
1LG6 206-6AA❑❑	2.4	5.6	2.4	16	0.29	59	72
1LG6 207-6AA❑❑	2.4	5.6	2.4	16	0.36	59	72
1LG6 223-6AA❑❑	2.8	6.5	2.9	16	0.63	59	72
1LG6 253-6AA❑❑	2.9	6.8	2.5	16	0.93	59	72
1LG6 280-6AA❑❑	3	6.8	2.7	16	1.4	58	71
1LG6 283-6AA❑❑	3.3	7.3	2.9	16	1.6	58	71
1LG6 310-6AA❑❑	2.8	7.3	3	16	2.5	61	74
1LG6 313-6AA❑❑	2.7	7.3	2.9	16	3.2	61	74
1LG6 316-6AA❑❑	2.9	7.4	2.9	16	4	61	74
1LG6 317-6AA❑❑	3.1	7.8	3.1	16	4.7	61	74
1LG6 318-6AA❑❑	3.2	7.8	3.1	16	5.4	64	77
8-pole, 750 rpm at 50 Hz, temperature class 155 (F), IP55 degree of protection							
1LG6 186-8AB❑❑	1.7	4.6	2.2	13	0.21	62	75
1LG6 207-8AB❑❑	2.3	5.3	2.6	13	0.37	62	75
1LG6 220-8AB❑❑	2.3	5.6	2.6	13	0.55	54	67
1LG6 223-8AB❑❑	2.4	5.8	2.8	13	0.66	58	71
1LG6 253-8AB❑❑	2.5	6	2.8	13	1.1	57	70
1LG6 280-8AB❑❑	2.3	5.7	2.3	13	1.4	58	71
1LG6 283-8AB❑❑	2.6	6.1	2.5	13	1.6	58	71
1LG6 310-8AB❑❑	2.5	6.3	2.9	13	2.5	64	77
1LG6 313-8AB❑❑	2.5	6.7	2.9	13	3.1	58	72
1LG6 316-8AB❑❑	2.4	6.3	2.8	13	3.9	64	77
1LG6 317-8AB❑❑	2.4	6.4	2.6	13	4.5	64	77
1LG6 318-8AB❑❑	2.5	6.7	2.9	13	5.3	64	77

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 [1) 2)]	IM B5 [1) 3)] IM V3 [4)]	IM V1 with protective cover [1) 3) 5)]	IM B35	IM B14, IM V19 [1)]	IM B34	IM B14, IM V19 [1)]
	1	**6**	**3**	**5**	**0**	**1**	**4**	**6**	**2**	**7**	**3**
1LG6 18 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 20 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 22 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 25 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 28 . - . . . ❑❑	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 310 - . . . ❑❑ **1LG6 313 - . . . ❑❑**	○	○	○	○	❑	✓	✓	✓	–	–	–
1LG6 316 - . . . ❑❑ **1LG6 317 - . . . ❑❑** **1LG6 318 - . . . ❑❑**	–	○	–	○	❑ [6)]	–	✓	✓	–	–	–

❑ 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”).

1) The following applies for explosion-proof motors: In the case of the types of construction with shaft extension down, the version “with protective cover” is required. For types of construction with shaft extension pointing upwards, a suitable cover must be implemented to prevent small parts from falling into the fan cover (see the standard IEC/EN 60079-0). The cover must not block the cooling air-flow.

2) 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 or IM V6 are fixed to the wall, it is recommended that the motor feet are supported.

3) 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 relocated in accordance with IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

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

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

6) Type of construction IM V6 is only possible using type of construction code **9** and order code **M1E**.