

SIMOTICS SD 1LG Standard Motors

Motors with High Efficiency IE2

Self-ventilated motors
Cast-iron series 1LG6

IE2

Selection and ordering data

Operating values at rated output															Cast-iron series		m _{IM B3} J		Torque class
P _{rated} , 50 Hz	P _{rated} , 60 Hz 1)	Frame size	n _{rated} , 50 Hz	T _{rated} , 50 Hz	IE class	η _{rated} , 50 Hz, 4/4	η _{rated} , 50 Hz, 3/4	η _{rated} , 50 Hz, 2/4	cosφ rated, 50 Hz, 4/4	I _{rated} , 50 Hz, 400 V	T _{LR} / I _{rated}	I _{LR} / I _{rated}	T _B / I _{rated}	L _p fA, 50 Hz	L _{WA} , 50 Hz	1LG6 – IE2 version in accordance with IEC 60034-30 Order No.	kg	kgm ²	CL
kW	kW	FS	rpm	Nm	%	%	%		A							▲ New *			
<ul style="list-style-type: none"> Cooling: Self-ventilated (IC 411) Efficiency: High Efficiency IE2, service factor (SF) 1.15 Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B) 																			
2-pole: 3000 rpm at 50 Hz, 3600 rpm at 60 Hz ¹⁾																			
22	24.5	180 M	2955	71	IE2	91.3	92.0	90.4	0.88	39.5 ²⁾	2.4	7.4	3.3	67	80	▲ 1LG6183-2MA ■■	170	0.086	16
30	33.5	200 L	2960	97	IE2	92.0	92.1	90.7	0.88	53.5 ²⁾	2.4	7.0	3.0	71	84	▲ 1LG6206-2MA ■■	220	0.15	16
37	41.5	200 L	2960	119	IE2	92.5	92.7	91.4	0.89	65 ²⁾	2.5	7.2	3.3	71	84	▲ 1LG6207-2MA ■■	250	0.18	16
45	51	225 M	2965	145	IE2	92.9	92.9	92.1	0.88	79 ²⁾	2.7	7.6	3.5	70	83	▲ 1LG6223-2MA ■■	300	0.23	16
55	62	250 M	2970	177	IE2	93.2	93.3	92.4	0.89	96	2.4	7.1	3.1	74	87	▲ 1LG6253-2MB ■■	380	0.40	13
75	84	280 S	2978	240	IE2	93.8	93.5	92.1	0.87	133 ²⁾	2.5	7.2	3.2	74	87	▲ 1LG6280-2MB ■■	500	0.72	13
90	101	280 M	2975	289	IE2	94.1	94.0	93.2	0.88	157 ²⁾	2.5	7.1	3.1	74	87	▲ 1LG6283-2MB ■■	570	0.84	13
110	123	315 S	2982	352	IE2	94.3	94.2	93.3	0.90	187 ²⁾	2.4	7.3	3.0	75	88	▲ 1LG6310-2MB ■■	750	1.3	13
132	148	315 M	2982	423	IE2	94.6	94.5	93.9	0.91	220 ²⁾	2.6	7.1	2.9	76	89	▲ 1LG6313-2MB ■■	915	1.6	13
160	180	315 L	2982	512	IE2	94.8	94.9	94.4	0.92	265	2.5	7.0	3.0	78	91	▲ 1LG6316-2MB ■■	960	1.8	13
200	224	315 L	2982	640	IE2	95.0	95.2	94.9	0.92	330	2.4	7.1	3.0	78	91	▲ 1LG6317-2MB ■■	1200	2.2	13
250	280	315 L	2985	800	IE2	95.0	94.9	94.4	0.91	415	3.0	8.6	3.8	78	92	▲ 1LG6318-2MB ■■	1270	2.6	16
315	353	315 L	2990	1006	IE2	95.0	94.7	93.7	0.89	540	3.4	9.0	3.8	82	96	▲ 1LG6312-2MA ■■	1355	2.8	16

Voltages		No. of poles	Motor type	Version	Order code(s)		
50 Hz	230 VΔ/400 VY	60 Hz ¹⁾ 460 VY	2	1LG6183 ... 310, 1LG6313	Standard	1	–
50 Hz	400 VΔ/690 VY	60 Hz ¹⁾ 460 VΔ	2	1LG6183 ... 318	Standard	6	–
50 Hz	500 VY		2	1LG6183 ... 310, 1LG6313	Without additional charge	3	–
50 Hz	500 VΔ		2	1LG6183 ... 318	Without additional charge	5	–
Further voltages ¹⁾		For additional charges, code numbers and descriptions, see supplements and special versions.				9	...
Types of construction		No. of poles	Motor type	Version	Order code(s)		
Without flange	IM B3/6/7/8 ³⁾	2	1LG6183 ... 318	Standard	0	–	
	IM V6 ³⁾	2	1LG6183 ... 310, 1LG6313	Standard	0	–	
		2	1LG6316, 1LG6317	With additional charge	9	M1E	
		2	1LG6312, 1LG6318	On request	9	M1E	
		2	1LG6183 ... 310, 1LG6313	Standard	0	–	
	With flange	IM V5 without protective cover ³⁾	2	1LG6316, 1LG6317	With additional charge	9	M1D
2			1LG6312, 1LG6318	On request	9	M1D	
IM B5 ⁴⁾		2	1LG6183 ... 318	With additional charge	1	–	
		2	1LG6183 ... 310, 1LG6313	With additional charge	1	–	
		2	1LG6312, 1LG6316 ... 318	With additional charge	8	–	
		2	1LG6183 ... 310, 1LG6313	With additional charge	9	M1G	
IM V1 with protective cover ^{4) 5) 6)}	2	1LG6183 ... 318	With additional charge	4	–		
	2	1LG6183 ... 318	With additional charge	6	–		
Further types of construction		For additional charges, code numbers and descriptions, see supplements and special versions.				9	...
Special versions						Order code(s)	
Options		For additional charges, code numbers and descriptions, see supplements and special versions.				1LG6 M . ■■ -Z	. . . + . . + . . + . .

1) Operating values at rated output for 60 Hz are available on request.

2) For connection to 230 V, parallel feeders are necessary.

3) If 1LG6 motors 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) 1LG6220 to 1LG6318 motors are supplied with two screw-in eyebolts conforming to IM B5, whereby one can be repositioned to conform to IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

5) 2-pole motors 1LG6316... to 1LG6317... and 1LG6312... (motor series 1LG6 frame size 315 L) in 60 Hz version available on request.

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

* Order identically priced predecessor type for 1LG6...2AA./1LG6...2AB.. 2-pole motors or 1LG6...4AA.. 4-pole motors using the options for country certificates (D31, D33, D34, D35, D40), marine certificates (E11, E21, E31, E51), explosion-proof version (M72, M73, M34, M35, M38, M39, M74, M75, C27) and IE3 version for SH 315 (D25). For 1LG6312-2MA.., 1LG6312-4MA.., 1LG6318-2MB.. and 1LG6318-4MA.. motors that do not have predecessor types, it is not possible to use the options for country certificates (D31, D33, D34, D35, D40), marine certificates (E11, E21, E31, E51), explosion-proof version (M72, M73, M34, M35, M38, M39, M74, M75, C27), brakes, brakes with encoder (G26, H47, H62, H63, H64, H98, H99), low-noise versions (K37, K38) and mounting of a separately driven fan, separately driven fan with encoder (G17, H61, H64, H97, H99).

SIMOTICS SD 1LG Standard Motors

Motors with High Efficiency IE2

IE2

Self-ventilated motors
Cast-iron series 1LG6

Selection and ordering data (continued)

Operating values at rated output																	Cast-iron series 1LG6 – IE2 version in accordance with IEC 60034-30 Order No.	$m_{IM\ B3}$	J	Torque class
$P_{rated, 50\ Hz}$	$P_{rated, 60\ Hz}$	Frame size	$n_{rated, 50\ Hz}$	$T_{rated, 50\ Hz}$	IE class	$\eta_{rated, 50\ Hz, 4/4}$	$\eta_{rated, 50\ Hz, 3/4}$	$\eta_{rated, 50\ Hz, 2/4}$	$\cos\phi_{rated, 50\ Hz, 4/4}$	$I_{rated, 50\ Hz, 400\ V}$	T_{LR}/I_{rated}	I_{LR}/I_{rated}	T_B/I_{rated}	$L_{pFA, 50\ Hz}$	$L_{WA, 50\ Hz}$					
kW	kW	FS	rpm	Nm	%	%	%		A								▲ New *	kg	kgm ²	CL
<ul style="list-style-type: none"> Cooling: Self-ventilated (IC 411) Efficiency: High Efficiency IE2, service factor (SF) 1.15 Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B) 																				
4-pole: 1500 rpm at 50 Hz, 1800 rpm at 60 Hz ¹⁾																				
18.5	21.3	180 M	1470	120	IE2	91.2	91.5	91.0	0.83	35.5 ²⁾	2.5	6.8	3.0	60	73	▲ 1LG6183-4MA	160	0.12	16	
22	25.3	180 L	1465	143	IE2	91.6	92.5	92.5	0.84	41.5 ²⁾	2.5	7.5	3.3	64	77	▲ 1LG6186-4MA	185	0.14	16	
30	34.5	200 L	1475	195	IE2	92.3	92.8	92.1	0.85	55 ²⁾	2.4	6.7	3.1	63	76	▲ 1LG6207-4MA	225	0.23	16	
37	42.5	225 S	1470	240	IE2	92.7	93.6	93.7	0.87	66 ²⁾	2.6	6.5	3.0	61	74	▲ 1LG6220-4MA	285	0.40	16	
45	52	225 M	1475	291	IE2	93.1	93.6	93.5	0.87	80 ²⁾	2.6	7.0	3.1	62	75	▲ 1LG6223-4MA	315	0.53	16	
55	63	250 M	1480	355	IE2	93.5	93.7	93.4	0.85	100	2.8	7.1	3.0	62	75	▲ 1LG6253-4MA	390	0.56	16	
75	86	280 S	1485	482	IE2	94.0	94.3	94.0	0.87	132 ²⁾	2.5	7.0	2.9	67	80	▲ 1LG6280-4MA	560	1.3	16	
90	104	280 M	1486	578	IE2	94.2	94.4	94.0	0.87	159 ²⁾	2.6	7.3	3.1	67	80	▲ 1LG6283-4MA	640	1.4	16	
110	127	315 S	1490	705	IE2	94.5	94.6	94.0	0.86	195 ²⁾	2.7	7.4	3.0	68	81	▲ 1LG6310-4MA	750	2.0	16	
132	152	315 M	1488	847	IE2	94.7	94.9	94.6	0.87	230 ²⁾	2.7	7.1	2.9	67	80	▲ 1LG6313-4MA	870	2.3	16	
160	184	315 L	1488	1027	IE2	94.9	95.2	94.8	0.87	280 ³⁾	3.2	7.5	3.0	70	83	▲ 1LG6316-4MA	950	2.8	16	
200	230	315 L	1490	1282	IE2	95.1	95.3	94.9	0.87	350 ³⁾	3.2	7.9	3.1	70	83	▲ 1LG6317-4MA	1120	3.4	16	
250	288	315 L	1488	1605	IE2	95.1	95.2	94.7	0.87	435	3.1	7.7	3.2	73	87	▲ 1LG6318-4MA	1270	4.2	16	
315	362	315 L	1488	2022	IE2	95.1	94.9	94.4	0.86	560	3.4	7.9	3.2	74	89	▲ 1LG6312-4MA	1480	5.0	16	
Voltages				No. of poles	Motor type		Version		Order code(s)											
50 Hz	230 VΔ/400 VY	60 Hz ¹⁾	460 VY	4	1LG6183 ... 310, 1LG6313		Standard		1											
50 Hz	400 VΔ/690 VY	60 Hz ¹⁾	460 VΔ	4	1LG6183 ... 318		Standard		6											
50 Hz	500 VY			4	1LG6183 ... 310, 1LG6313		Without additional charge		3											
50 Hz	500 VΔ			4	1LG6183 ... 318		Without additional charge		5											
Further voltages ¹⁾				For additional charges, code numbers and descriptions, see supplements and special versions.							9		...							
Types of construction				No. of poles	Motor type		Version		Order code(s)											
Without flange		IM B3/6/7/8 ⁴⁾		4	1LG6183 ... 318		Standard		0											
		IM V6 ⁴⁾		4	1LG6183 ... 310, 1LG6313		Standard		0											
				4	1LG6316, 1LG6317		Without additional charge		9											
				4	1LG6312, 1LG6318		On request		9											
		IM V5 without protective cover ⁴⁾		4	1LG6183 ... 310, 1LG6313		Standard		0											
				4	1LG6316, 1LG6317		Without additional charge		9											
				4	1LG6312, 1LG6318		On request		9											
With flange		IM B5 ⁵⁾		4	1LG6183 ... 318		With additional charge		1											
		IM V1 without protective cover ^{5) 6)}		4	1LG6183 ... 310, 1LG6313		With additional charge		1											
				4	1LG6312, 1LG6316 ... 318		With additional charge		8											
		IM V3 ⁵⁾		4	1LG6183 ... 310, 1LG6313		With additional charge		9											
		IM V1 with protective cover ^{5) 6) 7)}		4	1LG6183 ... 318		With additional charge		4											
		IM B35		4	1LG6183 ... 318		With additional charge		6											
Further types of construction				For additional charges, code numbers and descriptions, see supplements and special versions.							9		...							
Special versions				Order code(s)																
Options				For additional charges, code numbers and descriptions, see supplements and special versions.												1LG6...-M...-Z		...+...+...+...		

¹⁾ Operating values at rated output for 60 Hz are available on request.

²⁾ For connection to 230 V, parallel feeders are necessary.

³⁾ For connection to 400 V, parallel feeders are necessary.

⁴⁾ If 1LG6 motors 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.

⁵⁾ 1LG6220 to 1LG6318 motors are supplied with two screw-in eyebolts conforming to IM B5, whereby one can be repositioned to conform to IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

⁶⁾ 2-pole motors 1LG6316... to 1LG6317... and 1LG6312... (motor series 1LG6 frame size 315 L) in 60 Hz version available on request.

⁷⁾ The "Second shaft extension" option, order code K16 is not possible.

* Order identically priced predecessor type for 1LG6...2AA../1LG6...2AB.. 2-pole motors or 1LG6...4AA.. 4-pole motors using the options for country certificates (D31, D33, D34, D35, D40), marine certificates (E11, E21, E31, E51), explosion-proof version (M72, M73, M34, M35, M38, M39, M74, M75, C27) and IE3 version for SH 315 (D25). For 1LG6312-2MA..., 1LG6312-4MA..., 1LG6318-2MB.. and 1LG6318-4MA.. motors that do not have predecessor types, it is not possible to use the options for country certificates (D31, D33, D34, D35, D40), marine certificates (E11, E21, E31, E51), explosion-proof version (M72, M73, M34, M35, M38, M39, M74, M75, C27), brakes, brakes with encoder (G26, H47, H62, H63, H64, H98, H99), low-noise versions (K37, K38) and mounting of a separately driven fan, separately driven fan with encoder (G17, H61, H64, H97, H99).

SIMOTICS SD 1LG Standard Motors

Motors with High Efficiency IE2

Self-ventilated motors
Cast-iron series 1LG6

IE2

Selection and ordering data (continued)

Operating values at rated output															Cast-iron series		m _{IM B3} J		Torque class
P _{rated} , 50 Hz	P _{rated} , 60 Hz 1)	Frame size	n _{rated} , 50 Hz	T _{rated} , 50 Hz	IE class	η _{rated} , 50 Hz, 4/4	η _{rated} , 50 Hz, 3/4	η _{rated} , 50 Hz, 2/4	cosφ rated, 50 Hz, 4/4	I _{rated} , 50 Hz, 400 V	T _{LR} / I _{rated}	I _{LR} / I _{rated}	T _B / I _{rated}	L _{pfA} , 50 Hz	L _{WA} , 50 Hz	1LG6 – IE2 version in accordance with IEC 60034-30 Order No.	kg	kgm ²	CL
kW	kW	FS	rpm	Nm		%	%	%	A							▲ New *			
• Cooling: Self-ventilated (IC 411) • Efficiency: High Efficiency IE2, service factor (SF) 1.15 • Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)																			
6-pole: 1000 rpm at 50 Hz, 1200 rpm at 60 Hz ¹⁾																			
15	18	180 L	975	147	IE2	89.7	90.5	90.4	0.81	30	2.4	5.5	2.5	56	69	1LG6186-6AA	175	0.20	16
18.5	22	200 L	978	181	IE2	90.4	91.0	90.6	0.81	36.5	2.4	5.6	2.4	59	72	1LG6206-6AA	210	0.29	16
22	26.5	200 L	978	215	IE2	90.9	91.5	91.5	0.82	42.5	2.4	5.6	2.4	59	72	1LG6207-6AA	240	0.36	16
30	36	225 M	980	292	IE2	91.7	92.2	92.2	0.83	57 ²⁾	2.8	6.5	2.9	59	72	1LG6223-6AA	325	0.63	16
37	44.5	250 M	985	359	IE2	92.2	92.6	92.4	0.83	70	2.9	6.8	2.5	60	73	1LG6253-6AA	405	0.93	16
45	54	280 S	988	435	IE2	92.7	92.9	92.7	0.85	82	3	6.8	2.7	58	71	1LG6280-6AA	520	1.4	16
55	66	280 M	988	532	IE2	93.1	93.3	93.0	0.85	100	3.3	7.3	2.9	59	71	1LG6283-6AA	570	1.6	16
75	90	315 S	990	724	IE2	93.7	93.7	93.3	0.83	139	2.8	7.3	3	61	74	1LG6310-6AA	760	2.5	16
90	108	315 M	990	868	IE2	94.0	94.1	93.7	0.85	163 ²⁾	2.7	7.3	2.9	61	74	1LG6313-6AA	935	3.2	16
110	132	315 L	990	1061	IE2	94.3	94.4	94.2	0.85	198	2.9	7.4	2.9	61	74	1LG6316-6AA	1010	4.0	16
132	158	315 L	990	1273	IE2	94.6	94.6	94.2	0.85	235	3.1	7.8	3.1	61	74	1LG6317-6AA	1180	4.7	16
160	192	315 L	990	1543	IE2	94.6	94.6	94.3	0.86	285 ³⁾	3.2	7.8	3.1	64	77	1LG6318-6AA	1245	5.4	16
200	240	315 L	990	1929	IE2	95.0	95.1	94.6	0.83	365 ³⁾	2.8	7.5	3.3	67	81	▲ 1LG6312-6MA	1420	5.5	16
Voltages					No. of poles	Motor type		Version				Order code(s)							
50 Hz	230 VΔ/400 VY	60 Hz ¹⁾	460 VY	6	1LG6183 ... 310, 1LG6313		Standard		1		–								
50 Hz	400 VΔ/690 VY	60 Hz ¹⁾	460 VΔ	6	1LG6183 ... 318		Standard		6		–								
50 Hz	500 VY			6	1LG6183 ... 310, 1LG6313		Without additional charge		3		–								
50 Hz	500 VΔ			6	1LG6183 ... 318		Without additional charge		5		–								
Further voltages ¹⁾			For additional charges, code numbers and descriptions, see supplements and special versions.																
Types of construction			No. of poles	Motor type		Version		Order code(s)											
Without flange			IM B3/6/7/8 ⁴⁾	1LG6183 ... 318		Standard		0		–									
				1LG6183 ... 310, 1LG6313		Standard		0		–									
			IM V6 ⁴⁾	1LG6316, 1LG6317		Without additional charge		9		M1E									
				1LG6312		On request		9		M1E									
				1LG6183 ... 310, 1LG6313		Standard		0		–									
				1LG6316, 1LG6317		Without additional charge		9		M1D									
With flange			IM B5 ⁵⁾	1LG6312		On request		9		M1D									
				1LG6183 ... 318		With additional charge		1		–									
				1LG6183 ... 310, 1LG6313		With additional charge		1		–									
				1LG6312, 1LG6316 ... 318		With additional charge		8		–									
				1LG6183 ... 310, 1LG6313		With additional charge		9		M1G									
				1LG6183 ... 318		With additional charge		4		–									
Further types of construction			IM V1 with protective cover ^{5) 6)}	1LG6183 ... 318		With additional charge		4		–									
				1LG6183 ... 318		With additional charge		6		–									
				1LG6183 ... 318		With additional charge		6		–									
Further types of construction			For additional charges, code numbers and descriptions, see supplements and special versions.																
Special versions			Order code(s)																
Options			For additional charges, code numbers and descriptions, see supplements and special versions.													1LG6 M . ■ ■ -Z		. . . + . . . + . . . + . . .	

1) Operating values at rated output for 60 Hz are available on request.

2) For connection to 230 V, parallel feeders are necessary.

3) For connection to 400 V, parallel feeders are necessary.

4) If 1LG6 motors 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.

5) 1LG6220 to 1LG6318 motors are supplied with two screw-in eyebolts conforming to IM B5, whereby one can be repositioned to conform to IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.

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

* For 1LG6312-6MA.. and 1LG6312-8MB.. motors, it is not possible to use the options for country certificates (D31, D33, D34, D35, D40), marine certificates (E11, E21, E31, E51), explosion-proof version (M72, M73, M34, M35, M38, M39, M74, M75, C27), brakes, brakes with encoder (G26, H47, H62, H63, H64, H98, H99), low-noise versions (K37, K38) and mounting of a separately driven fan, separately driven fan with encoder (G17, H61, H64, H97, H99).

Selection and ordering data (continued)

Operating values at rated output															Cast-iron series		m _{IM} B3 J		Torque class
P _{rated} , 50 Hz	P _{rated} , 60 Hz 1)	Frame size	n _{rated} , 50 Hz	T _{rated} , 50 Hz	IE class	η _{rated} , 50 Hz, 4/4	η _{rated} , 50 Hz, 3/4	η _{rated} , 50 Hz, 2/4	cos φ rated, 50 Hz, 4/4	I _{rated} , 50 Hz, 400 V	T _{LR} / I _{rated}	L _R / I _{rated}	T _B / I _{rated}	L _{pfA} , 50 Hz	L _{WA} , 50 Hz	1LG6 – IE2 version in accordance with IEC 60034-30 Order No.	kg	kgm ²	CL
kW	kW	FS	rpm	Nm	%	%	%	A							▲ New *				
<ul style="list-style-type: none"> • Cooling: Self-ventilated (IC 411) • Efficiency: High Efficiency IE2, service factor (SF) 1.15 • Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B) 																			
8-pole: 750 rpm at 50 Hz, 900 rpm at 60 Hz ¹⁾																			
11	13.2	180 L	725	145	–	87.9	88.8	88.7	0.76	24	1.9	4.6	2.2	66	79	1LG6186-8AB	165	0.21	13
15	18	200 L	725	198	–	89.0	89.5	89.5	0.80	30.5	2.3	5.3	2.6	66	79	1LG6207-8AB	235	0.37	13
18.5	22	225 S	730	242	–	89.8	90.5	90.5	0.81	36.5	2.3	5.6	2.6	54	67	1LG6220-8AB	295	0.55	13
22	26.5	225 M	730	288	–	90.3	90.8	90.8	0.81	43.5	2.4	5.8	2.8	58	71	1LG6223-8AB	335	0.66	13
30	36	250 M	735	390	–	91.2	91.7	91.6	0.82	58	2.5	6.0	2.8	57	70	1LG6253-8AB	435	1.1	13
37	44.5	280 S	738	479	–	91.8	92.0	91.7	0.81	72	2.3	5.7	2.3	58	71	1LG6280-8AB	510	1.4	13
45	54	280 M	738	582	–	92.3	92.5	92.2	0.81	87	2.6	6.1	2.5	58	71	1LG6283-8AB	560	1.6	13
55	66	315 S	740	710	–	92.8	92.9	92.4	0.82	104	2.5	6.3	2.9	64	77	1LG6310-8AB	750	2.5	13
75	90	315 M	740	968	–	93.4	93.6	93.2	0.83	140	2.5	6.7	2.9	64	77	1LG6313-8AB	840	3.1	13
90	108	315 L	740	1162	–	93.7	94.1	94.0	0.84	165	2.4	6.3	2.8	64	77	1LG6316-8AB	1005	4.0	13
110	132	315 L	740	1420	–	94.1	94.4	94.3	0.84	200	2.4	6.4	2.6	64	77	1LG6317-8AB	1100	4.5	13
132	158	315 L	740	1704	–	94.4	94.7	94.6	0.84	240	2.5	6.7	2.9	64	77	1LG6318-8AB	1270	5.3	13
160	192	315 L	738	2070	–	94.6	95.1	95.1	0.81	300	2.5	6.7	2.8	66	80	▲ 1LG6312-8MB	1380	5.5	13
Voltages			No. of poles		Motor type		Version		Order code(s)										
50 Hz	230 VΔ/400 VY	60 Hz ¹⁾	460 VY	8	1LG6183 ... 310, 1LG6313	Standard		1	–										
50 Hz	400 VΔ/690 VY	60 Hz ¹⁾	460 VΔ	8	1LG6183 ... 318	Standard		6	–										
50 Hz	500 VY			8	1LG6183 ... 310, 1LG6313	Without additional charge		3	–										
50 Hz	500 VΔ			8	1LG6183 ... 318	Without additional charge		5	–										
Further voltages ¹⁾		For additional charges, code numbers and descriptions, see supplements and special versions.								9	...								
Types of construction			No. of poles		Motor type		Version		Order code(s)										
Without flange	IM B3/6/7/8 ²⁾	IM V6 ²⁾	8	1LG6183 ... 318	Standard		0	–											
			8	1LG6183 ... 310, 1LG6313	Standard		0	–											
			8	1LG6316, 1LG6317	Without additional charge		9	M1E											
			8	1LG6312	On request		9	M1E											
			8	1LG6183 ... 310, 1LG6313	Standard		0	–											
			8	1LG6316, 1LG6317	Without additional charge		9	M1D											
With flange	IM B5 ³⁾	IM V1 without protective cover ³⁾	8	1LG6183 ... 318	With additional charge		1	–											
			8	1LG6183 ... 310, 1LG6313	With additional charge		1	–											
			8	1LG6312, 1LG6316 ... 318	With additional charge		8	–											
			8	1LG6183 ... 310, 1LG6313	With additional charge		9	M1G											
			8	1LG6183 ... 318	With additional charge		4	–											
			8	1LG6183 ... 318	With additional charge		6	–											
Further types of construction		For additional charges, code numbers and descriptions, see supplements and special versions.								9	...								
Special versions			Order code(s)																
Options			For additional charges, code numbers and descriptions, see supplements and special versions.				1LG6 M . ■ ■ ■ -Z	 + . . . + . . .										

1) Operating values at rated output for 60 Hz are available on request.
 2) If 1LG6 motors 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.
 3) 1LG6220 to 1LG6318 motors are supplied with two screw-in eyebolts conforming to IM B5, whereby one can be repositioned to conform to IM V1 or IM V3. It is important to note that stress must not be applied perpendicular to the ring plane.
 4) The "Second shaft extension" option, order code K16 is not possible.

For 1LG6312-6MA.. and 1LG6312-8MB.. motors, it is not possible to use the options for country certificates (D31, D33, D34, D35, D40), marine certificates (E11, E21, E31, E51), explosion-proof version (M72, M73, M34, M35, M38, M39, M74, M75, C27), brakes, brakes with encoder (G26, H47, H62, H63, H64, H98, H99), low-noise versions (K37, K38) and mounting of a separately driven fan, separately driven fan with encoder (G17, H61, H64, H97, H99).