

Standard delivery times:

Express	10 working days	20 working days
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Preferred and Express motors

Motors with High Efficiency IE2



SIMOTICS GP – Aluminum series 1LA9 and 1LE1001
SIMOTICS SD – Cast-iron series 1LG6 and 1LE1501

Selection and ordering data (continued)

Basic type 1LE1

- Cooling: Self-ventilated (IC 411)
- Efficiency: High Efficiency IE2
- Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)
- Metal factor for metal surcharges (MS): N - W - -
- Price group: 3Z0

		Voltage →	50 Hz, 400 VY 60 Hz, 460 VY					
		Type →	Without flange IM B3			With flange IM B5, IM V1 without protective cover, IM V3		With standard flange IM B14
		Motor protection →	Without motor protection			Without motor protection		Without motor protection
		Preferred/Express →	Preferred	Express		Preferred	Express	Preferred
		Order No.						
P_{rated}, 50 Hz kW	Frame size FS	1LE1 ■01-■■■■-.....	0-2AA4	0-2AA4-Z B19	0-2FA4	0-2FA4-Z B19	0-2KA4	

4-pole: 1500 rpm at 50 Hz, 1800 rpm at 60 Hz								
0.55	80 M	1LE1001-0DB2-..... ¹⁾	✓	✓	✓	✓	✓	✓
0.75	80 M	1LE1001-0DB3-.....	✓	✓	✓	✓	✓	✓
1.1	90 S	1LE1001-0EB0-.....	✓	✓	✓	✓	✓	✓
1.5	90 L	1LE1001-0EB4-.....	✓	✓	✓	✓	✓	✓

Basic types 1LE1, 1LG6

- Cooling: Self-ventilated (IC 411)
- Efficiency: High Efficiency IE2
- Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)
- Metal factor for metal surcharges (MS): N - W - -
- Price group: 3Z0

		Voltage →	50 Hz, 400 VΔ/690 VY 60 Hz, 460 VΔ					
		Type →	Without flange IM B3			With flange IM B5, IM V1 without protective cover, IM V3		With flange IM B35
		Motor protection →	Without motor protection	PTC thermistor with 1 or 3 embedded temperature sensors for tripping		Without motor protection	PTC thermistor with 1 or 3 embedded temperature sensors for tripping	
		Preferred/Express →	Preferred	Preferred	Express	Preferred	Preferred	Express
		Order No.						
P_{rated}, 50 Hz kW	Frame size FS	1LE1 ■01-■■■■-.....	3-4AA4	3-4AB4	3-4AB4-Z B19	3-4FA4	3-4FB4	3-4FB4-Z B19
		1LG6 ■■-■■■.	60	60-Z A11	60-Z A11+B19	61	61-Z A11	61-Z A11+B19
								3-4JA4
								66

2-pole: 3000 rpm at 50 Hz, 3600 rpm at 60 Hz								
0.75	80 M	1LE1001-0DA2-.....	-	-	-	-	-	-
1.1	80 M	1LE1001-0DA3-.....	-	-	-	-	-	-
1.5	90 S	1LE1001-0EA0-.....	-	-	-	-	-	-
2.2	90 L	1LE1001-0EA4-.....	-	-	-	-	-	-
3	100 L	1LE1001-1AA4-.....	✓	✓	✓	✓	✓	-
4	112 M	1LE1001-1BA2-.....	✓	✓	✓	✓	✓	-
5.5	132 S	1LE1001-1CA0-.....	✓	✓	✓	✓	✓	-
7.5	132 S	1LE1001-1CA1-.....	✓	✓	✓	✓	✓	-
11	160 M	1LE1001-1DA2-.....	✓	✓	✓	✓	✓	-
15	160 M	1LE1001-1DA3-.....	✓	✓	✓	✓	✓	-
18.5	160 L	1LE1001-1DA4-.....	✓	✓	✓	✓	✓	-
22	180 M	1LG6183-2MA..	✓	✓	-	-	✓	-
22	180 M	1LE1501-1EA2-.....	✓	✓	✓	-	✓	-
30	200 L	1LG6206-2MA..	✓	✓	-	-	✓	-
30	200 L	1LE1501-2AA4-.....	✓	✓	✓	-	✓	-
37	200 L	1LG6207-2MA..	✓	✓	-	-	✓	-
37	200 L	1LE1501-2AA5-.....	✓	✓	✓	-	✓	-
45	225 M	1LG6223-2MA..	✓	✓	-	-	-	-
45	225 M	1LE1501-2BA2-.....	✓	✓	-	-	-	-
55	250 M	1LG6253-2MB..	✓	✓	-	-	-	-
55	250 M	1LE1501-2CA2-.....	✓	✓	-	-	-	-
75	280 S	1LG6280-2MB..	✓	✓	-	-	-	-
75	280 S	1LE1501-2DA0-.....	✓	✓	-	-	-	-
90	280 M	1LG6283-2MB..	✓	✓	-	-	-	-
90	280 M	1LE1501-2DA2-.....	✓	✓	-	-	-	-

¹⁾ High Efficiency IE2 is not stamped because the motor is not in the IE2 output range from 0.75 to 375 kW.

Preferred and Express motors

Motors with High Efficiency IE2

SIMOTICS GP – Aluminum series 1LA9 and 1LE1001
SIMOTICS SD – Cast-iron series 1LG6 and 1LE1501

IE2

Standard delivery times:

Express

10 working days

20 working days

Selection and ordering data (continued)

Basic types 1LE1, 1LG6

- Cooling: Self-ventilated (IC 411)
- Efficiency: High Efficiency IE2
- Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)
- Metal factor for metal surcharges (MS): N - W - - -
- Price group: 3Z0

P _{rated} , 50 Hz	Frame size	Order No.	Voltage →				Type →		Motor protection →		Preferred/Express →	
			50 Hz, 230 VΔ/400 VY	60 Hz, 460 VY	Without flange IM B3	With flange IM B5, IM V1 without protective cover, IM V3	Without motor protection	PTC thermistor with 1 or 3 embedded temperature sensors for tripping	Without motor protection	PTC thermistor with 1 or 3 embedded temperature sensors for tripping	Preferred	Express
kW	FS	1LE1■01-■■■■-■..... 1LG6■■■-■■■..	2-2AA4 10	2-2AB4 10-Z A11	2-2AB4-Z B19 10-Z A11+B19	2-2FA4 11	2-2FB4 11-Z A11	2-2FB4-Z B19 11-Z A11+B19	2-2KA4 12			
4-pole: 1500 rpm at 50 Hz, 1800 rpm at 60 Hz												
0.55	80 M	1LE1001-0DB2-..... ¹⁾	-	✓	✓	-	✓	✓	-	-	-	
0.75	80 M	1LE1001-0DB3-.....	-	✓	✓	-	✓	✓	-	-	-	
1.1	90 S	1LE1001-0EB0-.....	-	✓	✓	-	✓	✓	-	-	-	
1.5	90 L	1LE1001-0EB4-.....	-	✓	✓	-	✓	✓	-	-	-	
2.2	100 L	1LE1001-1AB4-.....	✓	✓	✓	✓	✓	✓	✓	✓	✓	
3	100 L	1LE1001-1AB5-.....	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4	112 M	1LE1001-1BB2-.....	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5.5	132 S	1LE1001-1CB0-.....	✓	✓	✓	✓	✓	✓	✓	✓	-	
7.5	132 M	1LE1001-1CB2-.....	✓	✓	✓	✓	✓	✓	✓	✓	-	
11	160 M	1LE1001-1DB2-.....	✓	✓	✓	✓	✓	✓	✓	✓	-	
15	160 L	1LE1001-1DB4-.....	✓	✓	✓	✓	✓	✓	✓	✓	-	
18.5	180 M	1LG6183-4MA..	-	-	-	-	-	-	-	-	-	
18.5	180 M	1LE1501-1EB2-.....	-	-	-	-	-	-	-	-	-	
22	180 L	1LG6186-4MA..	-	-	-	-	-	-	-	-	-	
22	180 L	1LE1501-1EB4-.....	-	-	-	-	-	-	-	-	-	
30	200 L	1LG6207-4MA..	-	-	-	-	-	-	-	-	-	
30	200 L	1LE1501-2AB5-.....	-	-	-	-	-	-	-	-	-	
37	225 S	1LG6220-4MA..	-	-	-	-	-	-	-	-	-	
37	225 S	1LE1501-2BB0-.....	-	-	-	-	-	-	-	-	-	
45	225 M	1LG6223-4MA..	-	-	-	-	-	-	-	-	-	
45	225 M	1LE1501-2BB2-.....	-	-	-	-	-	-	-	-	-	
55	250 M	1LG6253-4MA..	-	-	-	-	-	-	-	-	-	
55	250 M	1LE1501-2CB2-.....	-	-	-	-	-	-	-	-	-	
75	280 S	1LG6280-4MA..	-	-	-	-	-	-	-	-	-	
75	280 S	1LE1501-2DB0-.....	-	-	-	-	-	-	-	-	-	
90	280 M	1LG6283-4MA..	-	-	-	-	-	-	-	-	-	
90	280 M	1LE1501-2DB2-.....	-	-	-	-	-	-	-	-	-	
110	315 S	1LG6310-4MA..	-	-	-	-	-	-	-	-	-	
110	315 S	1LE1501-3AB0-.....	-	-	-	-	-	-	-	-	-	
132	315 M	1LG6313-4MA..	-	-	-	-	-	-	-	-	-	
132	315 M	1LE1501-3AB2-.....	-	-	-	-	-	-	-	-	-	
160	315 L	1LG6316-4MA..	-	-	-	-	-	-	-	-	-	
160	315 L	1LE1501-3AB4-.....	-	-	-	-	-	-	-	-	-	
200	315 L	1LG6317-4MA..	-	-	-	-	-	-	-	-	-	
200	315 L	1LE1501-3AB5-.....	-	-	-	-	-	-	-	-	-	

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Preferred and Express motors

Motors with High Efficiency IE2

SIMOTICS GP – Aluminum series 1LA9 and 1LE1001
SIMOTICS SD – Cast-iron series 1LG6 and 1LE1501

Selection and ordering data (continued)

- Basic types 1LA9, 1LE1, 1LG6
- Cooling: Self-ventilated (IC 411)
 - Efficiency: High Efficiency IE2
 - Insulation: Thermal class 155 (temperature class F), IP55 degree of protection, utilization in accordance with thermal class 130 (temperature class B)
 - Metal factor for metal surcharges (MS): N - W - - -
 - Price group: 3Z0

P _{rated} , 50 Hz	Frame size	Order No.	Voltage →			Type →			Motor protection →		Preferred/Express →
			50 Hz, 400 V Δ /690 VY	60 Hz, 460 V Δ	Without flange IM B3	With flange IM B5, IM V1 without protective cover, IM V3	Without motor protection	PTC thermistor with 3 embedded temperature sensors for tripping	Without motor protection	PTC thermistor with 3 embedded temperature sensors for tripping	
		1LE1■■■■-■■■■-.....	3-4AA4	3-4AB4	3-4AB4-Z B19	3-4FA4	3-4FB4	3-4FB4-Z B19	3-4JA4		
		1LG6■■■■-■■■■..	60	60-Z A11	60-Z A11+B19	61	61-Z A11	61-Z A11+B19	66		
kW	FS	1LA9■■■■-■■■■..	60	60-Z A11	60-Z A11+B19	61	61-Z A11	61-Z A11+B19	66		
6-pole: 1000 rpm at 50 Hz, 1200 rpm at 60 Hz											
0.75	90 S	1LA9090-6KA..	-	-	-	-	-	-	-	-	
1.1	90 L	1LA9096-6KA..	-	-	-	-	-	-	-	-	
1.5	100 L	1LE1001-1AC4-.....	-	-	-	-	-	-	-	-	
2.2	112 M	1LE1001-1BC2-.....	-	-	-	-	-	-	-	-	
3	132 S	1LE1001-1CC0-.....	✓	✓	-	✓	-	-	-	-	
4	132 M	1LE1001-1CC2-.....	✓	✓	-	✓	✓	-	-	-	
5.5	132 M	1LE1001-1CC3-.....	✓	✓	-	✓	✓	-	-	-	
7.5	160 M	1LE1001-1DC2-.....	✓	✓	-	✓	✓	-	-	-	
11	160 L	1LE1001-1DC4-.....	✓	✓	-	✓	✓	-	-	-	
15	180 L	1LG6186-6AA..	✓	✓	-	-	-	-	-	-	
15	180 L	1LE1501-1EC4-.....	✓	✓	-	-	-	-	-	-	
18.5	200 L	1LG6206-6AA..	✓	✓	-	-	-	-	-	-	
18.5	200 L	1LE1501-2AC4-.....	✓	✓	-	-	-	-	-	-	
22	200 L	1LG6207-6AA..	✓	✓	-	-	-	-	-	-	
22	200 L	1LE1501-2AC5-.....	✓	✓	-	-	-	-	-	-	