Data sheets - Siemens SIMOTICS GP motors

220 kW / 1000 rpm - 4 article numbers in this file

Article No.	Page
1LE0102-3BC53-4AA4	2
1LE0102-3BC54-1AA4	3
1LE0101-3BC53-4AB4	4
1LE0101-3BC54-1AB4	5

محور نیرو

Tel: 0935 186 4634

info@mehvarniro.com | mehvarniro.com

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-3BC53-4AA4

220 kW / 1000 rpm

Frame 355 L | 6 poles | IM B3 | Article No. 1LE0102-3BC53-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**355 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**1840 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**989 rpm**
Rated torque	**2124 Nm**
Rated current	**380 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**94.7 | 94.7 | 92.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 2.1**
Moment of inertia J	**10.1 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0102 (IE1)

1LE0102-3BC54-1AA4

220 kW / 1000 rpm

Frame 355 L | 6 poles | IM B3 | Article No. 1LE0102-3BC54-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**355 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**1840 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**989 rpm**
Rated torque	**2124 Nm**
Rated current	**290 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**94.7 | 94.7 | 92.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 2.1**
Moment of inertia J	**10.1 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 27 (PDF 27)**

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-3BC53-4AB4

220 kW / 1000 rpm

Frame 355 L | 6 poles | IM B3 | Article No. 1LE0101-3BC53-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**355 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**1850 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**990 rpm**
Rated torque	**2122 Nm**
Rated current	**385 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95 | 95.3 | 93.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 2.1**
Moment of inertia J	**10.1 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE0101 (IE2)

1LE0101-3BC54-1AB4

220 kW / 1000 rpm

Frame 355 L | 6 poles | IM B3 | Article No. 1LE0101-3BC54-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**355 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**1850 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**990 rpm**
Rated torque	**2122 Nm**
Rated current	**295 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95 | 95.3 | 93.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 2.1**
Moment of inertia J	**10.1 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 29 (PDF 29)**

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).