Data sheets - Siemens SIMOTICS GP motors

220 kW / 1500 rpm - 4 article numbers in this file

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محور نیرو

Tel: 0935 186 4634

info@mehvarniro.com | mehvarniro.com

Data sheet

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

1LE0102-3BB23-4AA4

220 kW / 1500 rpm

Frame 355 M | 4 poles | IM B3 | Article No. 1LE0102-3BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**355 M**
Poles	**4**
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)	**1630 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1410 Nm**
Rated current	**380 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95 | 95.1 | 93.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.1 | 2.2**
Moment of inertia J	**6.6 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 21 (PDF 21)**

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

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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

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

1LE0102-3BB24-1AA4

220 kW / 1500 rpm

Frame 355 M | 4 poles | IM B3 | Article No. 1LE0102-3BB24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**355 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**1630 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1410 Nm**
Rated current	**290 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95 | 95.1 | 93.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.1 | 2.2**
Moment of inertia J	**6.6 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-3BB23-4AB4

220 kW / 1500 rpm

Frame 355 M | 4 poles | IM B3 | Article No. 1LE0101-3BB23-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**355 M**
Poles	**4**
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)	**1640 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1410 Nm**
Rated current	**370 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.2 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 2.2**
Moment of inertia J	**6.6 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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

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Data sheet

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

1LE0101-3BB24-1AB4

220 kW / 1500 rpm

Frame 355 M | 4 poles | IM B3 | Article No. 1LE0101-3BB24-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**355 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**1640 kg**

ELECTRICAL DATA

Rated power 50 Hz	**220 kW (about 300 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1410 Nm**
Rated current	**280 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.2 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 2.2**
Moment of inertia J	**6.6 kgm2**

SOURCE OF DATA

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

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

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