Data sheets - Siemens SIMOTICS GP motors

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

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Data sheet

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

1LE0102-3BB53-4AA4

280 kW / 1500 rpm

Frame 355 L | 4 poles | IM B3 | Article No. 1LE0102-3BB53-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**355 L**
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)	**1820 kg**

ELECTRICAL DATA

Rated power 50 Hz	**280 kW (about 380 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1795 Nm**
Rated current	**485 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95.2 | 95.2 | 93.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.1 | 2.2**
Moment of inertia J	**7.7 kgm2**

SOURCE OF DATA

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

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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)

1LE0102-3BB54-1AA4

280 kW / 1500 rpm

Frame 355 L | 4 poles | IM B3 | Article No. 1LE0102-3BB54-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**355 L**
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)	**1820 kg**

ELECTRICAL DATA

Rated power 50 Hz	**280 kW (about 380 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1795 Nm**
Rated current	**370 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**95.2 | 95.2 | 93.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.1 | 2.2**
Moment of inertia J	**7.7 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)

1LE0101-3BB53-4AB4

280 kW / 1500 rpm

Frame 355 L | 4 poles | IM B3 | Article No. 1LE0101-3BB53-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**355 L**
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)	**1830 kg**

ELECTRICAL DATA

Rated power 50 Hz	**280 kW (about 380 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1795 Nm**
Rated current	**470 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.2 | 93.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 2.2**
Moment of inertia J	**7.7 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-3BB54-1AB4

280 kW / 1500 rpm

Frame 355 L | 4 poles | IM B3 | Article No. 1LE0101-3BB54-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**355 L**
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)	**1830 kg**

ELECTRICAL DATA

Rated power 50 Hz	**280 kW (about 380 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1795 Nm**
Rated current	**360 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.2 | 93.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 2.2**
Moment of inertia J	**7.7 kgm2**

SOURCE OF DATA

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

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