Data sheets - Siemens SIMOTICS GP motors

185 kW / 1500 rpm - 8 article numbers in this file

Article No.	Page
1LE0102-3AB63-4AA4	2
1LE0102-3AB63-4FA4	3
1LE0102-3AB64-1AA4	4
1LE0102-3AB64-1FA4	5
1LE0101-3AB63-4AB4	6
1LE0101-3AB63-4FB4	7
1LE0101-3AB64-1AB4	8
1LE0101-3AB64-1FB4	9

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

Data sheet

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

1LE0102-3AB63-4AA4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B3 | Article No. 1LE0102-3AB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**315 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)	**1060 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1185 Nm**
Rated current	**325 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94.1 | 93.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 3 | 2.9**
Moment of inertia J	**3.6 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

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)

1LE0102-3AB63-4FA4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B5 | Article No. 1LE0102-3AB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**315 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)	**1060 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1185 Nm**
Rated current	**325 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94.1 | 93.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 3 | 2.9**
Moment of inertia J	**3.6 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

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)

1LE0102-3AB64-1AA4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B3 | Article No. 1LE0102-3AB64-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**315 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)	**1060 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1185 Nm**
Rated current	**245 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94.1 | 93.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 3 | 2.9**
Moment of inertia J	**3.6 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 1LE0102 (IE1)

1LE0102-3AB64-1FA4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B5 | Article No. 1LE0102-3AB64-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**315 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)	**1060 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1490 rpm**
Rated torque	**1185 Nm**
Rated current	**245 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94.1 | 93.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 3 | 2.9**
Moment of inertia J	**3.6 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)

1LE0101-3AB63-4AB4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B3 | Article No. 1LE0101-3AB63-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**315 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)	**1070 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1488 rpm**
Rated torque	**1187 Nm**
Rated current	**320 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.1 | 95 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 3 | 3**
Moment of inertia J	**3.6 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

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)

1LE0101-3AB63-4FB4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B5 | Article No. 1LE0101-3AB63-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**315 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)	**1070 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1488 rpm**
Rated torque	**1187 Nm**
Rated current	**320 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.1 | 95 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 3 | 3**
Moment of inertia J	**3.6 kgm2**

SOURCE OF DATA

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

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

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)

1LE0101-3AB64-1AB4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B3 | Article No. 1LE0101-3AB64-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**315 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)	**1070 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1488 rpm**
Rated torque	**1187 Nm**
Rated current	**240 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.1 | 95 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 3 | 3**
Moment of inertia J	**3.6 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

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)

1LE0101-3AB64-1FB4

185 kW / 1500 rpm

Frame 315 L | 4 poles | IM B5 | Article No. 1LE0101-3AB64-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**315 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)	**1070 kg**

ELECTRICAL DATA

Rated power 50 Hz	**185 kW (about 250 HP)**
Rated power 60 Hz	**-**
Rated speed (50 Hz)	**1488 rpm**
Rated torque	**1187 Nm**
Rated current	**240 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**95.1 | 95.1 | 95 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 3 | 3**
Moment of inertia J	**3.6 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

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).