Data sheets - Siemens SIMOTICS GP motors

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Data sheet

SIMOTICS GP low-voltage motor - series 1LA7073

1LA7073-4AB12

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B14 | Article No. 1LA7073-4AB12

GENERAL DATA

Series / efficiency class	**1LA7073 / no IE class in catalog**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y (50 Hz), 460 Y (60 Hz)**
Net weight (IM B3)	**6.3 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1370 rpm**
Rated torque	**2.6 Nm**
Rated current	**1.04 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**65.8 | 64.8 | 60.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.3 | 1.9 | 2.1**
Moment of inertia J	**0.00077 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LA7073, p. 18 (PDF 18)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

1LE1002-0CB32-2AA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1002-0CB32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**6 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1350 rpm**
Rated torque	**2.7 Nm**
Rated current	**1.08 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**66 | 67.7 | 65 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.2 | 2 | 2**
Moment of inertia J	**0.00077 kgm2**
Sound pressure / power LpfA | LWA	**54 | 65 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

1LE1002-0CB32-2FA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1002-0CB32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**6 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1350 rpm**
Rated torque	**2.7 Nm**
Rated current	**1.08 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**66 | 67.7 | 65 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.2 | 2 | 2**
Moment of inertia J	**0.00077 kgm2**
Sound pressure / power LpfA | LWA	**54 | 65 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1002 (IE1)

1LE1002-0CB32-2KA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B14 | Article No. 1LE1002-0CB32-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**6 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1350 rpm**
Rated torque	**2.7 Nm**
Rated current	**1.08 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**66 | 67.7 | 65 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.2 | 2 | 2**
Moment of inertia J	**0.00077 kgm2**
Sound pressure / power LpfA | LWA	**54 | 65 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-0CB32-2AA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1001-0CB32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**7 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1380 rpm**
Rated torque	**2.6 Nm**
Rated current	**1.02 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**72.7 | 73.2 | 69.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.3 | 2.4**
Moment of inertia J	**0.00095 kgm2**
Sound pressure / power LpfA | LWA	**50 | 61 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-0CB32-2FA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1001-0CB32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**7 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1380 rpm**
Rated torque	**2.6 Nm**
Rated current	**1.02 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**72.7 | 73.2 | 69.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.3 | 2.4**
Moment of inertia J	**0.00095 kgm2**
Sound pressure / power LpfA | LWA	**50 | 61 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1001 (IE2)

1LE1001-0CB32-2KA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B14 | Article No. 1LE1001-0CB32-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**7 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1380 rpm**
Rated torque	**2.6 Nm**
Rated current	**1.02 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**72.7 | 73.2 | 69.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.3 | 2.4**
Moment of inertia J	**0.00095 kgm2**
Sound pressure / power LpfA | LWA	**50 | 61 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-0CB32-2AA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1501-0CB32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1380 rpm**
Rated torque	**2.6 Nm**
Rated current	**1.02 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**72.7 | 73.2 | 69.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.3 | 2.4**
Moment of inertia J	**0.00095 kgm2**
Sound pressure / power LpfA | LWA	**50 | 61 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1501 (IE2)

1LE1501-0CB32-2FA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1501-0CB32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1380 rpm**
Rated torque	**2.6 Nm**
Rated current	**1.02 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**72.7 | 73.2 | 69.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.3 | 2.4**
Moment of inertia J	**0.00095 kgm2**
Sound pressure / power LpfA | LWA	**50 | 61 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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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 1LE1503 (IE3)

1LE1503-0CB32-2AA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B3 | Article No. 1LE1503-0CB32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**16 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1410 rpm**
Rated torque	**2.6 Nm**
Rated current	**0.99 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**77.3 | 76.8 | 73.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.8 | 3.1 | 3.1**
Moment of inertia J	**0.0014 kgm2**
Sound pressure / power LpfA | LWA	**56 | 67 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-0CB32-2FA4

0.37 kW / 1500 rpm

Frame 71 M | 4 poles | IM B5 | Article No. 1LE1503-0CB32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**71 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**16 kg**

ELECTRICAL DATA

Rated power 50 Hz	**0.37 kW (about 0.5 HP)**
Rated power 60 Hz	**0.43 kW**
Rated speed (50 Hz)	**1410 rpm**
Rated torque	**2.6 Nm**
Rated current	**0.99 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**77.3 | 76.8 | 73.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.8 | 3.1 | 3.1**
Moment of inertia J	**0.0014 kgm2**
Sound pressure / power LpfA | LWA	**56 | 67 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)**

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