Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1002-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1405 rpm**
Rated torque	**7.5 Nm**
Rated current	**2.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**75 | 75.9 | 73.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.5 | 2.1 | 2.3**
Moment of inertia J	**0.0024 kgm2**
Sound pressure / power LpfA | LWA	**61 | 68 dB(A)**

SOURCE OF DATA

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

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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 1LE1002 (IE1)

1LE1002-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1002-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1405 rpm**
Rated torque	**7.5 Nm**
Rated current	**2.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**75 | 75.9 | 73.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.5 | 2.1 | 2.3**
Moment of inertia J	**0.0024 kgm2**
Sound pressure / power LpfA | LWA	**61 | 68 dB(A)**

SOURCE OF DATA

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Data sheet

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

1LE1002-0EB02-2KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE1002-0EB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1405 rpm**
Rated torque	**7.5 Nm**
Rated current	**2.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**75 | 75.9 | 73.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.5 | 2.1 | 2.3**
Moment of inertia J	**0.0024 kgm2**
Sound pressure / power LpfA | LWA	**61 | 68 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)

1LE1001-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1001-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1425 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.8 | 80 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2.3 | 2.9**
Moment of inertia J	**0.0028 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1001-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1425 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.8 | 80 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2.3 | 2.9**
Moment of inertia J	**0.0028 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-0EB02-2KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE1001-0EB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1425 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.8 | 80 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2.3 | 2.9**
Moment of inertia J	**0.0028 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 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)

1LE1001-0DB62-2AA4

1.1 kW / 1500 rpm

Frame 80 M | 4 poles | IM B3 | Article No. 1LE1001-0DB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**80 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)	**11 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 82.1 | 80.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.4 | 3**
Moment of inertia J	**0.0029 kgm2**
Sound pressure / power LpfA | LWA	**53 | 64 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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Data sheet

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

1LE1001-0DB62-2FA4

1.1 kW / 1500 rpm

Frame 80 M | 4 poles | IM B5 | Article No. 1LE1001-0DB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**80 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)	**11 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 82.1 | 80.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.4 | 3**
Moment of inertia J	**0.0029 kgm2**
Sound pressure / power LpfA | LWA	**53 | 64 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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Data sheet

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

1LE1001-0DB62-2KA4

1.1 kW / 1500 rpm

Frame 80 M | 4 poles | IM B14 | Article No. 1LE1001-0DB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**80 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)	**11 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 82.1 | 80.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.4 | 3**
Moment of inertia J	**0.0029 kgm2**
Sound pressure / power LpfA | LWA	**53 | 64 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1003 (IE3)

1LE1003-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1003-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.4 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**84.1 | 84.7 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.9 | 3.6**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/14 (PDF 132)**

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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 1LE1003 (IE3)

1LE1003-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1003-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.4 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**84.1 | 84.7 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.9 | 3.6**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/14 (PDF 132)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1003 (IE3)

1LE1003-0EB02-2KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE1003-0EB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.4 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**84.1 | 84.7 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.9 | 3.6**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/14 (PDF 132)**

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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 1LE1043 (IE3)

1LE1043-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1043-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
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 - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**1750 rpm**
Rated torque (60 Hz)	**6 Nm**
Rated current (460 V, 60 Hz)	**2.15 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.4 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 3.4 | 4.4**
Moment of inertia J	**0.0029 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**58 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1043 (IE3)

1LE1043-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1043-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
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 - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**1750 rpm**
Rated torque (60 Hz)	**6 Nm**
Rated current (460 V, 60 Hz)	**2.15 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.4 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 3.4 | 4.4**
Moment of inertia J	**0.0029 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**58 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1043 (IE3)

1LE1043-0EB02-2KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE1043-0EB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
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 - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**1750 rpm**
Rated torque (60 Hz)	**6 Nm**
Rated current (460 V, 60 Hz)	**2.15 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.4 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 3.4 | 4.4**
Moment of inertia J	**0.0029 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**58 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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محور نیرو

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

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

1LE0102-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE0102-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1420 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.65 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.6**
Moment of inertia J	**0.0027 kgm2**

SOURCE OF DATA

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

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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)

1LE0102-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE0102-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1420 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.65 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.6**
Moment of inertia J	**0.0027 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)

1LE0102-0EB02-2KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE0102-0EB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1420 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.65 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.6**
Moment of inertia J	**0.0027 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)

1LE0102-0EB04-1AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE0102-0EB04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1420 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.05 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.6**
Moment of inertia J	**0.0027 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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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)

1LE0102-0EB04-1FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE0102-0EB04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1420 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.05 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.6**
Moment of inertia J	**0.0027 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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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)

1LE0102-0EB04-1KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE0102-0EB04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1420 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.05 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.6**
Moment of inertia J	**0.0027 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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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 1LE0101 (IE2)

1LE0101-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE0101-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**24 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.65 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.4 | 77.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.8 | 3.5**
Moment of inertia J	**0.0041 kgm2**

SOURCE OF DATA

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

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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 1LE0101 (IE2)

1LE0101-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE0101-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**24 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.65 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.4 | 77.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.8 | 3.5**
Moment of inertia J	**0.0041 kgm2**

SOURCE OF DATA

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

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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 1LE0101 (IE2)

1LE0101-0EB02-2KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE0101-0EB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**24 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.65 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.4 | 77.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.8 | 3.5**
Moment of inertia J	**0.0041 kgm2**

SOURCE OF DATA

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

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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 1LE0101 (IE2)

1LE0101-0EB04-1AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE0101-0EB04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**24 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**1.99 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.4 | 77.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.8 | 3.5**
Moment of inertia J	**0.0041 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 28 (PDF 28)**

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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 1LE0101 (IE2)

1LE0101-0EB04-1FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE0101-0EB04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**24 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**1.99 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.4 | 77.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.8 | 3.5**
Moment of inertia J	**0.0041 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 28 (PDF 28)**

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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 1LE0101 (IE2)

1LE0101-0EB04-1KA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B14 | Article No. 1LE0101-0EB04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**24 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**1.99 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.4 | 77.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.8 | 3.5**
Moment of inertia J	**0.0041 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 28 (PDF 28)**

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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 1LE1501 (IE2)

1LE1501-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1501-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1425 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.8 | 80 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2.3 | 2.9**
Moment of inertia J	**0.0028 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 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 1LE1501 (IE2)

1LE1501-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1501-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1425 rpm**
Rated torque	**7.4 Nm**
Rated current	**2.5 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**81.4 | 81.8 | 80 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2.3 | 2.9**
Moment of inertia J	**0.0028 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 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)

1LE1503-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1503-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.4 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**84.1 | 84.7 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.9 | 3.6**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

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

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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)

1LE1503-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1503-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**1440 rpm**
Rated torque	**7.3 Nm**
Rated current	**2.4 A**
Power factor	**0.78**
Efficiency 4/4 | 3/4 | 2/4	**84.1 | 84.7 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.9 | 3.6**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

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

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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 1LE1543 (IE3)

1LE1543-0EB02-2AA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B3 | Article No. 1LE1543-0EB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
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)	**25 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**1750 rpm**
Rated torque (60 Hz)	**6 Nm**
Rated current (460 V, 60 Hz)	**2.15 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.4 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 3.4 | 4.4**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**58 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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APAC Line: the catalog lists operating values at 60 Hz only; 50 Hz speed/efficiency are not listed (see Siemens DT Configurator).

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-0EB02-2FA4

1.1 kW / 1500 rpm

Frame 90 S | 4 poles | IM B5 | Article No. 1LE1543-0EB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
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)	**25 kg**

ELECTRICAL DATA - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**1750 rpm**
Rated torque (60 Hz)	**6 Nm**
Rated current (460 V, 60 Hz)	**2.15 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.4 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 3.4 | 4.4**
Moment of inertia J	**0.0036 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**58 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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