Data sheets - Siemens SIMOTICS GP motors

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Data sheet

SIMOTICS GP low-voltage motor - series 1LA7096 (IE1)

1LA7096-6AA12

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LA7096-6AA12

GENERAL DATA

Series / efficiency class	**1LA7096 / IE1**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**15.7 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)	**915 rpm**
Rated torque	**11 Nm**
Rated current	**2.85 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 72.9 | 69.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.3 | 2.3**
Moment of inertia J	**0.0033 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LA7096, p. 18 (PDF 18)**

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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 1LE1001 (IE2)

1LE1001-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE1001-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**935 rpm**
Rated torque	**11 Nm**
Rated current	**2.9 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 79.3 | 77.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.6**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**43 | 55 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/28 (PDF 146)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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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 1LE1001 (IE2)

1LE1001-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE1001-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**935 rpm**
Rated torque	**11 Nm**
Rated current	**2.9 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 79.3 | 77.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.6**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**43 | 55 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/28 (PDF 146)**
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Data sheet

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

1LE1001-0EC42-2KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE1001-0EC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**935 rpm**
Rated torque	**11 Nm**
Rated current	**2.9 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 79.3 | 77.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.6**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**43 | 55 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/28 (PDF 146)**
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Data sheet

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

1LE1002-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE1002-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**15 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)	**925 rpm**
Rated torque	**11 Nm**
Rated current	**3.15 A**
Power factor	**0.69**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 73.8 | 71.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.2 | 2.4**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**59 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/46 (PDF 164)**

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Data sheet

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

1LE1002-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE1002-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**15 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)	**925 rpm**
Rated torque	**11 Nm**
Rated current	**3.15 A**
Power factor	**0.69**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 73.8 | 71.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.2 | 2.4**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**59 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/46 (PDF 164)**

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Data sheet

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

1LE1002-0EC42-2KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE1002-0EC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**15 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)	**925 rpm**
Rated torque	**11 Nm**
Rated current	**3.15 A**
Power factor	**0.69**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 73.8 | 71.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**3.8 | 2.2 | 2.4**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**59 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/46 (PDF 164)**

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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)

1LE1003-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE1003-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**19 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.95 A**
Power factor	**0.66**
Efficiency 4/4 | 3/4 | 2/4	**81 | 81.4 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 2.8 | 3**
Moment of inertia J	**0.0048 kgm2**
Sound pressure / power LpfA | LWA	**60 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/15**

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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)

1LE1003-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE1003-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**19 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.95 A**
Power factor	**0.66**
Efficiency 4/4 | 3/4 | 2/4	**81 | 81.4 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 2.8 | 3**
Moment of inertia J	**0.0048 kgm2**
Sound pressure / power LpfA | LWA	**60 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/15**

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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)

1LE1003-0EC42-2KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE1003-0EC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 L**
Poles	**6**
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)	**19 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.95 A**
Power factor	**0.66**
Efficiency 4/4 | 3/4 | 2/4	**81 | 81.4 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 2.8 | 3**
Moment of inertia J	**0.0048 kgm2**
Sound pressure / power LpfA | LWA	**60 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/15**

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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)

1LE1043-1AC32-2AA4

1.1 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1043-1AC32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**100 L**
Poles	**6**
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)	**30 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)	**1180 rpm**
Rated torque (60 Hz)	**8.9 Nm**
Rated current (460 V, 60 Hz)	**2.3 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 84.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.7 | 2.4 | 3.3**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/55 (PDF 173)**

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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)

1LE1043-1AC32-2FA4

1.1 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1043-1AC32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**100 L**
Poles	**6**
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)	**30 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)	**1180 rpm**
Rated torque (60 Hz)	**8.9 Nm**
Rated current (460 V, 60 Hz)	**2.3 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 84.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.7 | 2.4 | 3.3**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/55 (PDF 173)**

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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)

1LE1043-1AC32-2KA4

1.1 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1043-1AC32-2KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**100 L**
Poles	**6**
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)	**30 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)	**1180 rpm**
Rated torque (60 Hz)	**8.9 Nm**
Rated current (460 V, 60 Hz)	**2.3 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 84.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.7 | 2.4 | 3.3**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/55 (PDF 173)**

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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 1LE0102 (IE1)

1LE0102-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE0102-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**26 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)	**935 rpm**
Rated torque	**11.3 Nm**
Rated current	**3 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 74 | 71.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0038 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

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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)

1LE0102-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE0102-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**26 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)	**935 rpm**
Rated torque	**11.3 Nm**
Rated current	**3 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 74 | 71.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0038 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

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

Data sheet

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

1LE0102-0EC42-2KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE0102-0EC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**26 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)	**935 rpm**
Rated torque	**11.3 Nm**
Rated current	**3 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 74 | 71.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0038 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

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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)

1LE0102-0EC44-1AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE0102-0EC44-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**26 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)	**935 rpm**
Rated torque	**11.3 Nm**
Rated current	**2.3 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 74 | 71.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0038 kgm2**

SOURCE OF DATA

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

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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)

1LE0102-0EC44-1FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE0102-0EC44-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**26 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)	**935 rpm**
Rated torque	**11.3 Nm**
Rated current	**2.3 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 74 | 71.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0038 kgm2**

SOURCE OF DATA

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

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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)

1LE0102-0EC44-1KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE0102-0EC44-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**26 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)	**935 rpm**
Rated torque	**11.3 Nm**
Rated current	**2.3 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**72.9 | 74 | 71.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0038 kgm2**

SOURCE OF DATA

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

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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)

1LE1501-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE1501-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**26 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)	**935 rpm**
Rated torque	**11 Nm**
Rated current	**2.9 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 79.3 | 77.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.6**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**43 | 55 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/34 (PDF 152)**

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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)

1LE1501-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE1501-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**26 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)	**935 rpm**
Rated torque	**11 Nm**
Rated current	**2.9 A**
Power factor	**0.7**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 79.3 | 77.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.6**
Moment of inertia J	**0.004 kgm2**
Sound pressure / power LpfA | LWA	**43 | 55 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/34 (PDF 152)**

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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)

1LE1503-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE1503-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**31 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.95 A**
Power factor	**0.66**
Efficiency 4/4 | 3/4 | 2/4	**81 | 81.4 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 2.8 | 3**
Moment of inertia J	**0.0048 kgm2**
Sound pressure / power LpfA | LWA	**60 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/21**

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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 1LE1503 (IE3)

1LE1503-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE1503-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**31 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.95 A**
Power factor	**0.66**
Efficiency 4/4 | 3/4 | 2/4	**81 | 81.4 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 2.8 | 3**
Moment of inertia J	**0.0048 kgm2**
Sound pressure / power LpfA | LWA	**60 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/21**

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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 1LE0101 (IE2)

1LE0101-0EC42-2AA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE0101-0EC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**27 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)	**945 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.85 A**
Power factor	**0.71**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 78.1 | 75.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0046 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

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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)

1LE0101-0EC42-2FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE0101-0EC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**27 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)	**945 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.85 A**
Power factor	**0.71**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 78.1 | 75.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0046 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

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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)

1LE0101-0EC42-2KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE0101-0EC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
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)	**27 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)	**945 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.85 A**
Power factor	**0.71**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 78.1 | 75.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0046 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

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

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B3 | Article No. 1LE0101-0EC44-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**27 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)	**945 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.15 A**
Power factor	**0.71**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 78.1 | 75.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0046 kgm2**

SOURCE OF DATA

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

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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)

1LE0101-0EC44-1FA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B5 | Article No. 1LE0101-0EC44-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**27 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)	**945 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.15 A**
Power factor	**0.71**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 78.1 | 75.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0046 kgm2**

SOURCE OF DATA

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

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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)

1LE0101-0EC44-1KA4

1.1 kW / 1000 rpm

Frame 90 L | 6 poles | IM B14 | Article No. 1LE0101-0EC44-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**27 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)	**945 rpm**
Rated torque	**11.1 Nm**
Rated current	**2.15 A**
Power factor	**0.71**
Efficiency 4/4 | 3/4 | 2/4	**78.1 | 78.1 | 75.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.4 | 2.2 | 2.7**
Moment of inertia J	**0.0046 kgm2**

SOURCE OF DATA

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

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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 1LE1543 (IE3)

1LE1543-1AC32-2AA4

1.1 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1543-1AC32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**100 L**
Poles	**6**
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)	**1180 rpm**
Rated torque (60 Hz)	**8.9 Nm**
Rated current (460 V, 60 Hz)	**2.3 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 84.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.7 | 2.4 | 3.3**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/59 (PDF 177)**

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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)

1LE1543-1AC32-2FA4

1.1 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1543-1AC32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**100 L**
Poles	**6**
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)	**1180 rpm**
Rated torque (60 Hz)	**8.9 Nm**
Rated current (460 V, 60 Hz)	**2.3 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 84.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.7 | 2.4 | 3.3**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/59 (PDF 177)**

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