Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1002-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
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)	**19 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15 Nm**
Rated current	**3.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 76 | 72.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4 | 2 | 2.2**
Moment of inertia J	**0.0065 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/46 (PDF 164)**
Catalog 2	**Brochure 07/2014 (14050629), 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 1LE1002 (IE1)

1LE1002-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1002-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
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)	**19 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15 Nm**
Rated current	**3.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 76 | 72.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4 | 2 | 2.2**
Moment of inertia J	**0.0065 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/46 (PDF 164)**
Catalog 2	**Brochure 07/2014 (14050629), p. 18 (PDF 18)**

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Data sheet

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

1LE1001-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1001-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**15 Nm**
Rated current	**3.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.5 | 79 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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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Data sheet

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

1LE1001-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1001-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**15 Nm**
Rated current	**3.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.5 | 79 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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)

1LE1001-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1001-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**15 Nm**
Rated current	**3.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.5 | 79 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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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Data sheet

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

1LE1003-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1003-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / 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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**14.8 Nm**
Rated current	**3.6 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**82.5 | 83.1 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 1.9 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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)

1LE1003-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1003-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / 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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**14.8 Nm**
Rated current	**3.6 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**82.5 | 83.1 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 1.9 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1003-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1003-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / 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)	**25 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**14.8 Nm**
Rated current	**3.6 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**82.5 | 83.1 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 1.9 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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 1LE1041 (IE2)

1LE1041-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1041-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
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)	**25 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12 Nm**
Rated current (460 V, 60 Hz)	**3.15 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.3 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.4 | 2.2 | 3.2**
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 1LE1041, p. 2/66 (PDF 184)**

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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 1LE1041 (IE2)

1LE1041-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1041-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
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)	**25 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12 Nm**
Rated current (460 V, 60 Hz)	**3.15 A**
Power factor (60 Hz)	**0.69**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**86.5 | 86.3 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.4 | 2.2 | 3.2**
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 1LE1041, p. 2/66 (PDF 184)**

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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)

1LE1043-1BC12-2AA4

1.5 kW / 1000 rpm

Frame 112 S | 6 poles | IM B3 | Article No. 1LE1043-1BC12-2AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**112 S**
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)	**34 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12.2 Nm**
Rated current (460 V, 60 Hz)	**2.9 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.3 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.9 | 2.2 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/63**

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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)

1LE1043-1BC12-2FA4

1.5 kW / 1000 rpm

Frame 112 S | 6 poles | IM B5 | Article No. 1LE1043-1BC12-2FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**112 S**
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)	**34 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12.2 Nm**
Rated current (460 V, 60 Hz)	**2.9 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.3 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.9 | 2.2 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/63**

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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)

1LE1043-1BC12-2KA4

1.5 kW / 1000 rpm

Frame 112 S | 6 poles | IM B14 | Article No. 1LE1043-1BC12-2KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**112 S**
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)	**34 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12.2 Nm**
Rated current (460 V, 60 Hz)	**2.9 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.3 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.9 | 2.2 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/63**

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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)

1LE0102-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE0102-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**3.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 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)

1LE0102-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE0102-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**3.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE0102-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**3.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1AC43-4AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE0102-1AC43-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**3.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 kgm2**

SOURCE OF DATA

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Data sheet

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

1LE0102-1AC43-4FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE0102-1AC43-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**3.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 kgm2**

SOURCE OF DATA

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Data sheet

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

1LE0102-1AC43-4KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE0102-1AC43-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**3.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 kgm2**

SOURCE OF DATA

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Data sheet

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

1LE0102-1AC44-1AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE0102-1AC44-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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	**525 V D**
Net weight (IM B3)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**2.9 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 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 1LE0102 (IE1)

1LE0102-1AC44-1FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE0102-1AC44-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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	**525 V D**
Net weight (IM B3)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**2.9 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 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 1LE0102 (IE1)

1LE0102-1AC44-1KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE0102-1AC44-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
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	**525 V D**
Net weight (IM B3)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15.4 Nm**
Rated current	**2.9 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 77.2 | 74.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0074 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 1LE1502 (IE1)

1LE1502-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1502-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
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)	**30 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15 Nm**
Rated current	**3.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 75.6 | 72.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4 | 2 | 2.2**
Moment of inertia J	**0.0065 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/50 (PDF 168)**

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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 1LE1502 (IE1)

1LE1502-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1502-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
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)	**30 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15 Nm**
Rated current	**3.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 75.6 | 72.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4 | 2 | 2.2**
Moment of inertia J	**0.0065 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/50 (PDF 168)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1502 (IE1)

1LE1502-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1502-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
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)	**30 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**940 rpm**
Rated torque	**15 Nm**
Rated current	**3.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**75.2 | 75.6 | 72.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4 | 2 | 2.2**
Moment of inertia J	**0.0065 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/50 (PDF 168)**

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Data sheet

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

1LE0101-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE0101-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**3.7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE0101-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**3.7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE0101-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**3.7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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Data sheet

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

1LE0101-1AC43-4AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE0101-1AC43-4AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**3.65 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1AC43-4FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE0101-1AC43-4FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**3.65 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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Data sheet

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

1LE0101-1AC43-4KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE0101-1AC43-4KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**3.65 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 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)

1LE0101-1AC44-1AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE0101-1AC44-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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	**525 V D**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**2.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1AC44-1FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE0101-1AC44-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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	**525 V D**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**2.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1AC44-1KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE0101-1AC44-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
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	**525 V D**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**15.2 Nm**
Rated current	**2.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.1 | 78.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.1 | 2.6**
Moment of inertia J	**0.0086 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1501-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**15 Nm**
Rated current	**3.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.5 | 79 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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)

1LE1501-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1501-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**15 Nm**
Rated current	**3.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.5 | 79 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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)

1LE1501-1AC42-2KA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B14 | Article No. 1LE1501-1AC42-2KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**15 Nm**
Rated current	**3.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.8 | 80.5 | 79 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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)

1LE1503-1AC42-2AA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B3 | Article No. 1LE1503-1AC42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / 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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**14.8 Nm**
Rated current	**3.6 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**82.5 | 83.1 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 1.9 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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)

1LE1503-1AC42-2FA4

1.5 kW / 1000 rpm

Frame 100 L | 6 poles | IM B5 | Article No. 1LE1503-1AC42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / 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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**14.8 Nm**
Rated current	**3.6 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**82.5 | 83.1 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 1.9 | 2.8**
Moment of inertia J	**0.011 kgm2**
Sound pressure / power LpfA | LWA	**59 | 71 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 1LE1543 (IE3)

1LE1543-1BC12-2AA4

1.5 kW / 1000 rpm

Frame 112 M | 6 poles | IM B3 | Article No. 1LE1543-1BC12-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**112 M**
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)	**53 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12 Nm**
Rated current (460 V, 60 Hz)	**2.9 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.3 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.9 | 2.2 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**65 | 77 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)

1LE1543-1BC12-2FA4

1.5 kW / 1000 rpm

Frame 112 M | 6 poles | IM B5 | Article No. 1LE1543-1BC12-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**112 M**
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)	**53 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**12 Nm**
Rated current (460 V, 60 Hz)	**2.9 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.3 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.9 | 2.2 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**65 | 77 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).