Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE1002-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 S**
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	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.2 | 77.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2 | 2.6**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1002-1BC62-2AA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B3 | Article No. 1LE1002-1BC62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
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)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.5 | 76.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.9 | 3**
Moment of inertia J	**0.013 kgm2**
Sound pressure / power LpfA | LWA	**57 | 69 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/47 (PDF 165)**

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Data sheet

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

1LE1002-1BC62-2FA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B5 | Article No. 1LE1002-1BC62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
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)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.5 | 76.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.9 | 3**
Moment of inertia J	**0.013 kgm2**
Sound pressure / power LpfA | LWA	**57 | 69 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/47 (PDF 165)**

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Data sheet

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

1LE1002-1BC62-2KA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B14 | Article No. 1LE1002-1BC62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
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)	**32 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.5 | 76.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.9 | 3**
Moment of inertia J	**0.013 kgm2**
Sound pressure / power LpfA | LWA	**57 | 69 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/47 (PDF 165)**

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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)

1LE1001-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1001-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**38 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**30 Nm**
Rated current	**7.2 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 83.4 | 81 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 1.6 | 2.5**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1001-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1001-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**38 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**30 Nm**
Rated current	**7.2 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 83.4 | 81 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 1.6 | 2.5**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1001-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE1001-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**38 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**30 Nm**
Rated current	**7.2 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 83.4 | 81 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 1.6 | 2.5**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1001-1BC62-2AA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B3 | Article No. 1LE1001-1BC62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**30 Nm**
Rated current	**7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2.1 | 2.7**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/31 (PDF 149)**

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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)

1LE1001-1BC62-2FA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B5 | Article No. 1LE1001-1BC62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**30 Nm**
Rated current	**7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2.1 | 2.7**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/31 (PDF 149)**

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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)

1LE1001-1BC62-2KA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B14 | Article No. 1LE1001-1BC62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**30 Nm**
Rated current	**7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2.1 | 2.7**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/31 (PDF 149)**

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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)

1LE1003-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1003-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**29.5 Nm**
Rated current	**6.9 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**85.6 | 85.8 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 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)

1LE1003-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1003-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**29.5 Nm**
Rated current	**6.9 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**85.6 | 85.8 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 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)

1LE1003-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE1003-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**29.5 Nm**
Rated current	**6.9 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**85.6 | 85.8 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 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)

1LE1043-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1043-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**52 kg**

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

Rated power (P50 rating)	**3 kW (about 4 HP)**
Rated power (P60 rating)	**3.45 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**24.5 Nm**
Rated current (460 V, 60 Hz)	**6 A**
Power factor (60 Hz)	**0.7**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.5 | 87.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.6 | 3.8**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 70 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)

1LE1043-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1043-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**52 kg**

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

Rated power (P50 rating)	**3 kW (about 4 HP)**
Rated power (P60 rating)	**3.45 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**24.5 Nm**
Rated current (460 V, 60 Hz)	**6 A**
Power factor (60 Hz)	**0.7**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.5 | 87.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.6 | 3.8**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 70 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)

1LE1043-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE1043-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**52 kg**

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

Rated power (P50 rating)	**3 kW (about 4 HP)**
Rated power (P60 rating)	**3.45 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**24.5 Nm**
Rated current (460 V, 60 Hz)	**6 A**
Power factor (60 Hz)	**0.7**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.5 | 87.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.6 | 3.8**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 70 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)

1LE0102-1CC02-2AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE0102-1CC02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC02-2FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE0102-1CC02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC02-2KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE0102-1CC02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE0102-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.4 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE0102-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.4 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE0102-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.4 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC04-1AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE0102-1CC04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**5.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC04-1FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE0102-1CC04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**5.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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)

1LE0102-1CC04-1KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE0102-1CC04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**5.7 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 80.9 | 79.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.018 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 1LE1502 (IE1)

1LE1502-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1502-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.9 | 77.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2 | 2.6**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 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)

1LE1502-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1502-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.9 | 77.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2 | 2.6**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 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)

1LE1502-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE1502-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**955 rpm**
Rated torque	**30 Nm**
Rated current	**7.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.9 | 77.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2 | 2.6**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 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)

1LE1502-1BC62-2AA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B3 | Article No. 1LE1502-1BC62-2AA4

GENERAL DATA

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

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.5 | 76.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.9 | 3**
Moment of inertia J	**0.013 kgm2**
Sound pressure / power LpfA | LWA	**57 | 69 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/53 (PDF 171)**

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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)

1LE1502-1BC62-2FA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B5 | Article No. 1LE1502-1BC62-2FA4

GENERAL DATA

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

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.5 | 76.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.9 | 3**
Moment of inertia J	**0.013 kgm2**
Sound pressure / power LpfA | LWA	**57 | 69 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/53 (PDF 171)**

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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)

1LE1502-1BC62-2KA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B14 | Article No. 1LE1502-1BC62-2KA4

GENERAL DATA

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

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**945 rpm**
Rated torque	**30 Nm**
Rated current	**7.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**79.7 | 79.5 | 76.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.6 | 2.9 | 3**
Moment of inertia J	**0.013 kgm2**
Sound pressure / power LpfA | LWA	**57 | 69 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/53 (PDF 171)**

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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)

1LE0101-1CC02-2AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE0101-1CC02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**7.2 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC02-2FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE0101-1CC02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**7.2 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC02-2KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE0101-1CC02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**7.2 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE0101-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**7.1 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE0101-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**7.1 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE0101-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**7.1 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC04-1AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE0101-1CC04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**5.4 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC04-1FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE0101-1CC04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**5.4 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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)

1LE0101-1CC04-1KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE0101-1CC04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**960 rpm**
Rated torque	**29.8 Nm**
Rated current	**5.4 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84.3 | 83.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.2 | 2 | 2.8**
Moment of inertia J	**0.019 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 1LE1501 (IE2)

1LE1501-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1501-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**30 Nm**
Rated current	**7.2 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 83.4 | 81 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 1.6 | 2.5**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1501-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1501-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**30 Nm**
Rated current	**7.2 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 83.4 | 81 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 1.6 | 2.5**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1501-1CC03-4KA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B14 | Article No. 1LE1501-1CC03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**30 Nm**
Rated current	**7.2 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 83.4 | 81 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5 | 1.6 | 2.5**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1501-1BC62-2AA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B3 | Article No. 1LE1501-1BC62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
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

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**30 Nm**
Rated current	**7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2.1 | 2.7**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/41 (PDF 159)**

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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)

1LE1501-1BC62-2FA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B5 | Article No. 1LE1501-1BC62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
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

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**30 Nm**
Rated current	**7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2.1 | 2.7**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/41 (PDF 159)**

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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)

1LE1501-1BC62-2KA4

3 kW / 1000 rpm

Frame 112 M | 6 poles | IM B14 | Article No. 1LE1501-1BC62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
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

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**3.45 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**30 Nm**
Rated current	**7 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.3 | 84 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.4 | 2.1 | 2.7**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**62 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/41 (PDF 159)**

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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)

1LE1503-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1503-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**29.5 Nm**
Rated current	**6.9 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**85.6 | 85.8 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 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)

1LE1503-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1503-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**3 kW (about 4 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**29.5 Nm**
Rated current	**6.9 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**85.6 | 85.8 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 dB(A)**

SOURCE OF DATA

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

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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 1LE1543 (IE3)

1LE1543-1CC03-4AA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B3 | Article No. 1LE1543-1CC03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**70 kg**

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

Rated power (P50 rating)	**3 kW (about 4 HP)**
Rated power (P60 rating)	**3.45 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**24.5 Nm**
Rated current (460 V, 60 Hz)	**6 A**
Power factor (60 Hz)	**0.7**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.5 | 87.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.6 | 3.8**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/67**

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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)

1LE1543-1CC03-4FA4

3 kW / 1000 rpm

Frame 132 S | 6 poles | IM B5 | Article No. 1LE1543-1CC03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**70 kg**

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

Rated power (P50 rating)	**3 kW (about 4 HP)**
Rated power (P60 rating)	**3.45 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**24.5 Nm**
Rated current (460 V, 60 Hz)	**6 A**
Power factor (60 Hz)	**0.7**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.5 | 87.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2.6 | 3.8**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 70 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/67**

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