Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1002-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**40 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2925 rpm**
Rated torque	**24 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.7 | 86.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.2 | 3.1**
Moment of inertia J	**0.016 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/44 (PDF 162)**
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)

1LE1002-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1002-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**40 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2925 rpm**
Rated torque	**24 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.7 | 86.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.2 | 3.1**
Moment of inertia J	**0.016 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/44 (PDF 162)**
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 1LE1001 (IE2)

1LE1001-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1001-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**43 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24 Nm**
Rated current	**14.1 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.5 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.1**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1001-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**43 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24 Nm**
Rated current	**14.1 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.5 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.1**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**
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Data sheet

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

1LE1001-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1001-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**43 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24 Nm**
Rated current	**14.1 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.5 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.1**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1041 (IE2)

1LE1041-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1041-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**43 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**12.1 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.7 | 88.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.3 | 3.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/65 (PDF 183)**

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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)

1LE1041-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1041-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**43 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3560 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**12.1 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.7 | 88.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.3 | 3.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/65 (PDF 183)**

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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 1LE1003 (IE3)

1LE1003-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1003-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**57 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24.5 Nm**
Rated current	**13.1 A**
Power factor	**0.92**
Efficiency 4/4 | 3/4 | 2/4	**90.1 | 91 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 1.9 | 3.9**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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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)

1LE1003-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1003-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**57 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24.5 Nm**
Rated current	**13.1 A**
Power factor	**0.92**
Efficiency 4/4 | 3/4 | 2/4	**90.1 | 91 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 1.9 | 3.9**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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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)

1LE1003-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1003-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**57 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24.5 Nm**
Rated current	**13.1 A**
Power factor	**0.92**
Efficiency 4/4 | 3/4 | 2/4	**90.1 | 91 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 1.9 | 3.9**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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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)

1LE1043-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1043-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**57 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**11.5 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.5 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.5 | 2.4 | 4.7**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1043-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1043-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**57 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**11.5 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.5 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.5 | 2.4 | 4.7**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1043-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1043-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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)	**57 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**11.5 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.5 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.5 | 2.4 | 4.7**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

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

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

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1004 (IE4)

1LE1004-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1004-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**24 Nm**
Rated current	**13 A**
Power factor	**0.91**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.2 | 4.3**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1004, p. 2/8 (PDF 126)**

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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 1LE1004 (IE4)

1LE1004-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1004-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**24 Nm**
Rated current	**13 A**
Power factor	**0.91**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.2 | 4.3**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1004, p. 2/8 (PDF 126)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1004 (IE4)

1LE1004-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1004-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**132 S**
Poles	**2**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**24 Nm**
Rated current	**13 A**
Power factor	**0.91**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.2 | 4.3**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1004, p. 2/8 (PDF 126)**

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Data sheet

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

1LE0102-1CA12-2AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0102-1CA12-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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Data sheet

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

1LE0102-1CA12-2FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0102-1CA12-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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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)

1LE0102-1CA12-2KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0102-1CA12-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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Data sheet

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

1LE0102-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0102-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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Data sheet

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

1LE0102-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0102-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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Data sheet

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

1LE0102-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0102-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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Data sheet

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

1LE0102-1CA14-1AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0102-1CA14-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**10.9 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1CA14-1FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0102-1CA14-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**10.9 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1CA14-1KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0102-1CA14-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**60 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2920 rpm**
Rated torque	**24.5 Nm**
Rated current	**10.9 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.2 | 86.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2 | 2.9**
Moment of inertia J	**0.015 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE1502-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1502-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**58 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2925 rpm**
Rated torque	**24 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.7 | 86.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.2 | 3.1**
Moment of inertia J	**0.016 kgm2**
Sound pressure / power LpfA | LWA	**68 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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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)

1LE1502-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1502-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**58 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2925 rpm**
Rated torque	**24 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.7 | 86.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.2 | 3.1**
Moment of inertia J	**0.016 kgm2**
Sound pressure / power LpfA | LWA	**68 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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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)

1LE1502-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1502-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**58 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2925 rpm**
Rated torque	**24 Nm**
Rated current	**14.3 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.7 | 86.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.2 | 3.1**
Moment of inertia J	**0.016 kgm2**
Sound pressure / power LpfA | LWA	**68 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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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)

1LE0101-1CA12-2AB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0101-1CA12-2AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**13.8 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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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)

1LE0101-1CA12-2FB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0101-1CA12-2FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**13.8 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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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)

1LE0101-1CA12-2KB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0101-1CA12-2KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**13.8 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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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)

1LE0101-1CA13-4AB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0101-1CA13-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**13.8 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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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)

1LE0101-1CA13-4FB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0101-1CA13-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**13.8 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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Data sheet

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

1LE0101-1CA13-4KB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0101-1CA13-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**13.8 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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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)

1LE0101-1CA14-1AB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0101-1CA14-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**10.5 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-1CA14-1FB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0101-1CA14-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**10.5 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-1CA14-1KB4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0101-1CA14-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**24.4 Nm**
Rated current	**10.5 A**
Power factor	**0.89**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.8 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.3 | 2.9**
Moment of inertia J	**0.017 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE1501-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1501-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**61 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24 Nm**
Rated current	**14.1 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.5 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.1**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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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)

1LE1501-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1501-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**61 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24 Nm**
Rated current	**14.1 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.5 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.1**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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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)

1LE1501-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1501-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**61 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24 Nm**
Rated current	**14.1 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**88.1 | 88.5 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.1**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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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)

1LE1503-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1503-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**73 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24.5 Nm**
Rated current	**13.1 A**
Power factor	**0.92**
Efficiency 4/4 | 3/4 | 2/4	**90.1 | 91 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 1.9 | 3.9**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/17 (PDF 135)**

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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)

1LE1503-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1503-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**73 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**24.5 Nm**
Rated current	**13.1 A**
Power factor	**0.92**
Efficiency 4/4 | 3/4 | 2/4	**90.1 | 91 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 1.9 | 3.9**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/17 (PDF 135)**

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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)

1LE1543-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1543-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**73 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**11.5 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.5 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.5 | 2.4 | 4.7**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/57 (PDF 175)**

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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)

1LE1543-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1543-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**73 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**11.5 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.5 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.5 | 2.4 | 4.7**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/57 (PDF 175)**

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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 1LE1504 (IE4)

1LE1504-1CA13-4AA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1504-1CA13-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**74 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**24 Nm**
Rated current	**13 A**
Power factor	**0.91**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.2 | 4.3**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/9 (PDF 127)**

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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 1LE1504 (IE4)

1LE1504-1CA13-4FA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1504-1CA13-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**74 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**24 Nm**
Rated current	**13 A**
Power factor	**0.91**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.2 | 4.3**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/9 (PDF 127)**

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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 1LE1504 (IE4)

1LE1504-1CA13-4KA4

7.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1504-1CA13-4KA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**2**
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)	**74 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**24 Nm**
Rated current	**13 A**
Power factor	**0.91**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.2 | 4.3**
Moment of inertia J	**0.031 kgm2**
Sound pressure / power LpfA | LWA	**67 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/9 (PDF 127)**

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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).