Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1002-1CA03-4FA4

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)	**35 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**18 Nm**
Rated current	**10.7 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 1.8 | 2.6**
Moment of inertia J	**0.013 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)

1LE1002-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1002-1CA03-4KA4

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)	**35 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**18 Nm**
Rated current	**10.7 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 1.8 | 2.6**
Moment of inertia J	**0.013 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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Data sheet

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

1LE1002-1BA62-2AA4

5.5 kW / 3000 rpm

Frame 112 L | 2 poles | IM B3 | Article No. 1LE1002-1BA62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**112 L**
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)	**31 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 84.7 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.9 | 3.8**
Moment of inertia J	**0.0085 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1002, p. 3/54**

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Data sheet

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

1LE1002-1BA62-2FA4

5.5 kW / 3000 rpm

Frame 112 L | 2 poles | IM B5 | Article No. 1LE1002-1BA62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**112 L**
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)	**31 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 84.7 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.9 | 3.8**
Moment of inertia J	**0.0085 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1002, p. 3/54**

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Data sheet

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

1LE1002-1BA62-2KA4

5.5 kW / 3000 rpm

Frame 112 L | 2 poles | IM B14 | Article No. 1LE1002-1BA62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**112 L**
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)	**31 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 84.7 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.9 | 3.8**
Moment of inertia J	**0.0085 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1002, p. 3/54**

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Data sheet

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

1LE1001-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1001-1CA03-4AA4

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)	**39 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**18 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 88 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 1.8 | 2.9**
Moment of inertia J	**0.02 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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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

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

1LE1001-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1001-1CA03-4FA4

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)	**39 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**18 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 88 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 1.8 | 2.9**
Moment of inertia J	**0.02 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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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

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

1LE1001-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1001-1CA03-4KA4

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)	**39 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**18 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 88 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 1.8 | 2.9**
Moment of inertia J	**0.02 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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60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

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

1LE1001-1BA62-2AA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B3 | Article No. 1LE1001-1BA62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.8 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.5 | 2.3 | 3.8**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

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

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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)

1LE1001-1BA62-2FA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B5 | Article No. 1LE1001-1BA62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.8 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.5 | 2.3 | 3.8**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1001-1BA62-2KA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B14 | Article No. 1LE1001-1BA62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
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)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.8 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.5 | 2.3 | 3.8**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1041-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1041-1CA03-4FA4

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)	**39 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**15 Nm**
Rated current (460 V, 60 Hz)	**9.1 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.4 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2 | 3.3**
Moment of inertia J	**0.02 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)

1LE1041-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1041-1CA03-4KA4

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)	**39 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**15 Nm**
Rated current (460 V, 60 Hz)	**9.1 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.4 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 2 | 3.3**
Moment of inertia J	**0.02 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)

1LE1041-1BA62-2FA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B5 | Article No. 1LE1041-1BA62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
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)	**34 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**15 Nm**
Rated current (460 V, 60 Hz)	**9A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.6 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.9 | 2.8 | 4.5**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**73 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/67 (PDF 185)**

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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)

1LE1041-1BA62-2KA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B14 | Article No. 1LE1041-1BA62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
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)	**34 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**15 Nm**
Rated current (460 V, 60 Hz)	**9A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.6 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.9 | 2.8 | 4.5**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**73 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/67 (PDF 185)**

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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)

1LE1003-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1003-1CA03-4AA4

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)	**48 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**17.8 Nm**
Rated current	**10.1 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**89.2 | 89.5 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.9 | 2.5 | 3.8**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA	**69 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/13**

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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)

1LE1003-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1003-1CA03-4FA4

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)	**48 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**17.8 Nm**
Rated current	**10.1 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**89.2 | 89.5 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.9 | 2.5 | 3.8**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA	**69 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/13**

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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)

1LE1003-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1003-1CA03-4KA4

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)	**48 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**17.8 Nm**
Rated current	**10.1 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**89.2 | 89.5 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.9 | 2.5 | 3.8**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA	**69 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/13**

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Data sheet

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

1LE1043-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1043-1CA03-4AA4

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)	**48 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**14.8 Nm**
Rated current (460 V, 60 Hz)	**8.9 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3 | 4.6**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**74 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/61**

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Data sheet

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

1LE1043-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1043-1CA03-4FA4

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)	**48 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**14.8 Nm**
Rated current (460 V, 60 Hz)	**8.9 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3 | 4.6**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**74 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/61**

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Data sheet

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

1LE1043-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1043-1CA03-4KA4

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)	**48 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**14.8 Nm**
Rated current (460 V, 60 Hz)	**8.9 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3 | 4.6**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**74 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/61**

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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)

1LE1004-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1004-1CA03-4AA4

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)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**90.9 | 90.9 | 89.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.1 | 4.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**67 | 84 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)

1LE1004-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1004-1CA03-4FA4

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)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**90.9 | 90.9 | 89.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.1 | 4.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**67 | 84 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)

1LE1004-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1004-1CA03-4KA4

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)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**90.9 | 90.9 | 89.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.1 | 4.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**67 | 84 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 1LE0102 (IE1)

1LE0102-1CA02-2AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0102-1CA02-2AA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA02-2FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0102-1CA02-2FA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA02-2KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0102-1CA02-2KA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0102-1CA03-4AA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0102-1CA03-4FA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0102-1CA03-4KA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA04-1AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0102-1CA04-1AA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**8.3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE0102-1CA04-1FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0102-1CA04-1FA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**8.3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CA04-1KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0102-1CA04-1KA4

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)	**55 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2915 rpm**
Rated torque	**18 Nm**
Rated current	**8.3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2 | 3.1**
Moment of inertia J	**0.013 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)

1LE1502-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1502-1CA03-4AA4

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)	**53 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**18 Nm**
Rated current	**10.7 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 1.8 | 2.6**
Moment of inertia J	**0.013 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)

1LE1502-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1502-1CA03-4FA4

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)	**53 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**18 Nm**
Rated current	**10.7 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 1.8 | 2.6**
Moment of inertia J	**0.013 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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Data sheet

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

1LE1502-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1502-1CA03-4KA4

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)	**53 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**18 Nm**
Rated current	**10.7 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 1.8 | 2.6**
Moment of inertia J	**0.013 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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Data sheet

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

1LE1502-1BA62-2AA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B3 | Article No. 1LE1502-1BA62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**112 M**
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)	**40 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 84.7 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.9 | 3.8**
Moment of inertia J	**0.0085 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/52 (PDF 170)**

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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)

1LE1502-1BA62-2FA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B5 | Article No. 1LE1502-1BA62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**112 M**
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)	**40 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 84.7 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.9 | 3.8**
Moment of inertia J	**0.0085 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/52 (PDF 170)**

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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)

1LE1502-1BA62-2KA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B14 | Article No. 1LE1502-1BA62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**112 M**
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)	**40 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**18 Nm**
Rated current	**10.9 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 84.7 | 82.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.9 | 3.8**
Moment of inertia J	**0.0085 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/52 (PDF 170)**

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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)

1LE0101-1CA02-2AB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0101-1CA02-2AB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA02-2FB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0101-1CA02-2FB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA02-2KB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0101-1CA02-2KB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA03-4AB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0101-1CA03-4AB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA03-4FB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0101-1CA03-4FB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA03-4KB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0101-1CA03-4KB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA04-1AB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE0101-1CA04-1AB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**8 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 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)

1LE0101-1CA04-1FB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE0101-1CA04-1FB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**8 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CA04-1KB4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE0101-1CA04-1KB4

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)	**56 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**17.9 Nm**
Rated current	**8 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.6 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 2.9**
Moment of inertia J	**0.014 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1501-1CA03-4AA4

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)	**57 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**18 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 88 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 1.8 | 2.9**
Moment of inertia J	**0.02 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)

1LE1501-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1501-1CA03-4FA4

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)	**57 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**18 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 88 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 1.8 | 2.9**
Moment of inertia J	**0.02 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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Data sheet

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

1LE1501-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1501-1CA03-4KA4

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)	**57 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2950 rpm**
Rated torque	**18 Nm**
Rated current	**10.5 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**87 | 88 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.6 | 1.8 | 2.9**
Moment of inertia J	**0.02 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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Data sheet

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

1LE1501-1BA62-2AA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B3 | Article No. 1LE1501-1BA62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**112 M**
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)	**53 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.8 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.5 | 2.3 | 3.8**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/40 (PDF 158)**

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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)

1LE1501-1BA62-2FA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B5 | Article No. 1LE1501-1BA62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**112 M**
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)	**53 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.8 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.5 | 2.3 | 3.8**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/40 (PDF 158)**

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Data sheet

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

1LE1501-1BA62-2KA4

5.5 kW / 3000 rpm

Frame 112 M | 2 poles | IM B14 | Article No. 1LE1501-1BA62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**112 M**
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)	**53 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**87 | 87.8 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.5 | 2.3 | 3.8**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/40 (PDF 158)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1503 (IE3)

1LE1503-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1503-1CA03-4AA4

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)	**66 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**17.8 Nm**
Rated current	**10.1 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**89.2 | 89.5 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.9 | 2.5 | 3.8**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA	**69 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/19**

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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 1LE1503 (IE3)

1LE1503-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1503-1CA03-4FA4

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)	**66 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2945 rpm**
Rated torque	**17.8 Nm**
Rated current	**10.1 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**89.2 | 89.5 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.9 | 2.5 | 3.8**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA	**69 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/19**

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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 1LE1543 (IE3)

1LE1543-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1543-1CA03-4AA4

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)	**66 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**14.8 Nm**
Rated current (460 V, 60 Hz)	**8.9 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3 | 4.6**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**74 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/65**

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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)

1LE1543-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1543-1CA03-4FA4

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)	**66 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**3550 rpm**
Rated torque (60 Hz)	**14.8 Nm**
Rated current (460 V, 60 Hz)	**8.9 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89 | 87 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3 | 4.6**
Moment of inertia J	**0.0168 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**74 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/65**

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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)

1LE1504-1CA03-4AA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B3 | Article No. 1LE1504-1CA03-4AA4

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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**90.9 | 90.9 | 89.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.1 | 4.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**67 | 84 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)

1LE1504-1CA03-4FA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B5 | Article No. 1LE1504-1CA03-4FA4

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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**90.9 | 90.9 | 89.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.1 | 4.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**67 | 84 dB(A)**

SOURCE OF DATA

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

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Data sheet

SIMOTICS GP low-voltage motor - series 1LE1504 (IE4)

1LE1504-1CA03-4KA4

5.5 kW / 3000 rpm

Frame 132 S | 2 poles | IM B14 | Article No. 1LE1504-1CA03-4KA4

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)	**62 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**2960 rpm**
Rated torque	**18 Nm**
Rated current	**10.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**90.9 | 90.9 | 89.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.6 | 2.1 | 4.6**
Moment of inertia J	**0.024 kgm2**
Sound pressure / power LpfA | LWA	**67 | 84 dB(A)**

SOURCE OF DATA

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

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