Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1002-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.7 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.7 | 3**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1001-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1001-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**54 Nm**
Rated current	**12.1 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.1 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 1.9 | 2.6**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1001-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1001-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**54 Nm**
Rated current	**12.1 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.1 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 1.9 | 2.6**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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

1LE1001-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1001-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**52 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**54 Nm**
Rated current	**12.1 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.1 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 1.9 | 2.6**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1003-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1003-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**54 Nm**
Rated current	**12.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**88 | 88.1 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.7 | 3.4**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 72 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1003-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1003-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**54 Nm**
Rated current	**12.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**88 | 88.1 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.7 | 3.4**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 72 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1003-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1003-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**54 Nm**
Rated current	**12.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**88 | 88.1 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.7 | 3.4**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 72 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1041-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1041-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**52 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.6 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.9 | 88.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.5 | 2.1 | 2.9**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/66 (PDF 184)**

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

Data sheet

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

1LE1041-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1041-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**52 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.6 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.9 | 88.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.5 | 2.1 | 2.9**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/66 (PDF 184)**

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

Data sheet

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

1LE1043-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1043-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 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)	**1180 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.3 A**
Power factor (60 Hz)	**0.74**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.4 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.3 | 3.3**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1043-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1043-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 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)	**1180 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.3 A**
Power factor (60 Hz)	**0.74**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.4 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.3 | 3.3**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1043-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1043-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 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)	**1180 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.3 A**
Power factor (60 Hz)	**0.74**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.4 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.3 | 3.3**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1CC32-2AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE0102-1CC32-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1CC32-2FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE0102-1CC32-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1CC32-2KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE0102-1CC32-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE0102-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE0102-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE0102-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.9 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CC34-1AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE0102-1CC34-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**9.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CC34-1FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE0102-1CC34-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**9.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CC34-1KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE0102-1CC34-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**73 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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**9.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.2 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.029 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1502-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.7 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.7 | 3**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1502-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1502-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.7 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.7 | 3**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1502-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**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)	**955 rpm**
Rated torque	**55 Nm**
Rated current	**12.7 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84 | 83 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.7 | 3**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC32-2AB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE0101-1CC32-2AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**12.3 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-1CC32-2FB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE0101-1CC32-2FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**12.3 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC32-2KB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE0101-1CC32-2KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**12.3 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC33-4AB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE0101-1CC33-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**12.4 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC33-4FB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE0101-1CC33-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**12.4 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC33-4KB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE0101-1CC33-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**12.4 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC34-1AB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE0101-1CC34-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**9.4 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-1CC34-1FB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE0101-1CC34-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**9.4 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CC34-1KB4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE0101-1CC34-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**75 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)	**960 rpm**
Rated torque	**54.7 Nm**
Rated current	**9.4 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**86 | 86.6 | 85.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.3 | 3.2**
Moment of inertia J	**0.031 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1501-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**70 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**54 Nm**
Rated current	**12.1 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.1 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 1.9 | 2.6**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1501-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1501-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**70 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**54 Nm**
Rated current	**12.1 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.1 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 1.9 | 2.6**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1501-1CC33-4KA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1501-1CC33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**70 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**54 Nm**
Rated current	**12.1 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**86 | 87.1 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 1.9 | 2.6**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1503-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1503-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**76 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**54 Nm**
Rated current	**12.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**88 | 88.1 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.7 | 3.4**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 72 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1503-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1503-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**76 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**54 Nm**
Rated current	**12.5 A**
Power factor	**0.72**
Efficiency 4/4 | 3/4 | 2/4	**88 | 88.1 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.7 | 3.4**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 72 dB(A)**

SOURCE OF DATA

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

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

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-1CC33-4AA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1543-1CC33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 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)	**1180 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.3 A**
Power factor (60 Hz)	**0.74**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.4 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.3 | 3.3**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1543 (IE3)

1LE1543-1CC33-4FA4

5.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1543-1CC33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 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)	**1180 rpm**
Rated torque (60 Hz)	**45 Nm**
Rated current (460 V, 60 Hz)	**10.3 A**
Power factor (60 Hz)	**0.74**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.4 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.3 | 3.3**
Moment of inertia J	**0.037 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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