Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1002-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**72 Nm**
Rated current	**22.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 87.9 | 86.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.3**
Moment of inertia J	**0.044 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)**
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)

1LE1002-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1002-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**58 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.2 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.5 | 3**
Moment of inertia J	**0.033 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1002-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1002-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**58 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.2 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.5 | 3**
Moment of inertia J	**0.033 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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Data sheet

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

1LE1002-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1002-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**58 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.2 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.5 | 3**
Moment of inertia J	**0.033 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1001-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1001-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**71 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 91 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.7 | 2.1 | 2.8**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1001-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**71 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 91 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.7 | 2.1 | 2.8**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**
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Data sheet

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

1LE1001-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1001-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**71 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 91 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.7 | 2.1 | 2.8**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/27 (PDF 145)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1001-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**72 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.9 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1001-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1001-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**72 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.9 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1001-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1001-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**72 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.9 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1041-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1041-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**71 kg**

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

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18.1 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.2 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.7 | 2.5 | 3.2**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 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)

1LE1041-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1041-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**71 kg**

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

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18.1 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.2 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.7 | 2.5 | 3.2**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 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)

1LE1041-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1041-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18.5 A**
Power factor (60 Hz)	**0.82**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.5 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 2.9 | 3.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 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)

1LE1041-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1041-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18.5 A**
Power factor (60 Hz)	**0.82**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.5 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 2.9 | 3.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 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)

1LE1003-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1003-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**78 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 2.5 | 3.5**
Moment of inertia J	**0.0583 kgm2**
Sound pressure / power LpfA | LWA	**67 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/14**

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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)

1LE1003-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1003-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**78 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 2.5 | 3.5**
Moment of inertia J	**0.0583 kgm2**
Sound pressure / power LpfA | LWA	**67 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/14**

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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)

1LE1003-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1003-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**78 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 2.5 | 3.5**
Moment of inertia J	**0.0583 kgm2**
Sound pressure / power LpfA | LWA	**67 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/14**

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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)

1LE1003-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 | 4 poles | IM B3 | Article No. 1LE1003-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132**
Poles	**4**
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)	**81 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21.5 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.6**
Moment of inertia J	**0.049 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/16 (PDF 134)**

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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)

1LE1003-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 | 4 poles | IM B5 | Article No. 1LE1003-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132**
Poles	**4**
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)	**81 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21.5 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.6**
Moment of inertia J	**0.049 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/16 (PDF 134)**

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

Data sheet

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

1LE1043-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1043-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.3 | 91.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3 | 3.8**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1043-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1043-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.3 | 91.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3 | 3.8**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1043-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1043-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.3 | 91.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3 | 3.8**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1043-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1043-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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 - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**19 A**
Power factor (60 Hz)	**0.79**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3.1 | 4.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/56 (PDF 174)**

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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)

1LE1043-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1043-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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 - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**19 A**
Power factor (60 Hz)	**0.79**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3.1 | 4.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/56 (PDF 174)**

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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)

1LE1043-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1043-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**4**
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 - CATALOG VALUES AT 60 HZ (APAC LINE)

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**19 A**
Power factor (60 Hz)	**0.79**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3.1 | 4.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/56 (PDF 174)**

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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)

1LE1004-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1004-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**100 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**71 Nm**
Rated current	**20.5 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.4 | 92.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.9 | 4.1**
Moment of inertia J	**0.085 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1004, p. 3/8**

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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)

1LE1004-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1004-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**100 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**71 Nm**
Rated current	**20.5 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.4 | 92.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.9 | 4.1**
Moment of inertia J	**0.085 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1004, p. 3/8**

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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)

1LE1004-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1004-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**4**
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)	**100 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**71 Nm**
Rated current	**20.5 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.4 | 92.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.9 | 4.1**
Moment of inertia J	**0.085 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1004, p. 3/8**

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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)

1LE0102-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE0102-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**99 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1455 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.5 | 87.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.2 | 3.3**
Moment of inertia J	**0.045 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 21 (PDF 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 1LE0102 (IE1)

1LE0102-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE0102-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**99 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1455 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.5 | 87.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.2 | 3.3**
Moment of inertia J	**0.045 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 21 (PDF 21)**

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Data sheet

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

1LE0102-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE0102-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**99 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1455 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.5 | 87.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.2 | 3.3**
Moment of inertia J	**0.045 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 21 (PDF 21)**

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Data sheet

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

1LE0102-1DB24-1AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE0102-1DB24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**99 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1455 rpm**
Rated torque	**72 Nm**
Rated current	**16.3 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.5 | 87.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.2 | 3.3**
Moment of inertia J	**0.045 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)

1LE0102-1DB24-1FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE0102-1DB24-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**99 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1455 rpm**
Rated torque	**72 Nm**
Rated current	**16.3 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.5 | 87.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.2 | 3.3**
Moment of inertia J	**0.045 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)

1LE0102-1DB24-1KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE0102-1DB24-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**99 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1455 rpm**
Rated torque	**72 Nm**
Rated current	**16.3 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.5 | 87.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.2 | 3.3**
Moment of inertia J	**0.045 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 1LE1502 (IE1)

1LE1502-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1502-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**89 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**72 Nm**
Rated current	**22.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 87.9 | 86.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.3**
Moment of inertia J	**0.044 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/49 (PDF 167)**

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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)

1LE1502-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1502-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**89 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**72 Nm**
Rated current	**22.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 87.9 | 86.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.3**
Moment of inertia J	**0.044 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/49 (PDF 167)**

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Data sheet

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

1LE1502-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1502-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**89 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**72 Nm**
Rated current	**22.5 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 87.9 | 86.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.3**
Moment of inertia J	**0.044 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/49 (PDF 167)**

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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)

1LE1502-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1502-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.2 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.5 | 3**
Moment of inertia J	**0.033 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1502-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1502-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.2 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.5 | 3**
Moment of inertia J	**0.033 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1502-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1502-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**72 Nm**
Rated current	**21.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**87.6 | 88.2 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.5 | 3**
Moment of inertia J	**0.033 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE0101-1DB23-4AB4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE0101-1DB23-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**103 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**71.7 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.4 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.051 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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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)

1LE0101-1DB23-4FB4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE0101-1DB23-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**103 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**71.7 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.4 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.051 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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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)

1LE0101-1DB23-4KB4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE0101-1DB23-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**103 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**71.7 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.4 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.051 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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Data sheet

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

1LE0101-1DB24-1AB4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE0101-1DB24-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**103 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**71.7 Nm**
Rated current	**15.9 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.4 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.051 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)

1LE0101-1DB24-1FB4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE0101-1DB24-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**103 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**71.7 Nm**
Rated current	**15.9 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.4 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.051 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)

1LE0101-1DB24-1KB4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE0101-1DB24-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**103 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**71.7 Nm**
Rated current	**15.9 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.4 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.051 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE1501-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1501-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**96 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 91 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.7 | 2.1 | 2.8**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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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)

1LE1501-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1501-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**96 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 91 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.7 | 2.1 | 2.8**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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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)

1LE1501-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1501-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**96 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 91 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.7 | 2.1 | 2.8**
Moment of inertia J	**0.065 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/33 (PDF 151)**

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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)

1LE1501-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1501-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**80 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**72 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.9 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1501-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1501-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**80 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**72 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.9 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1501-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1501-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**80 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**72 Nm**
Rated current	**21 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.8 | 90.9 | 90.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 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)

1LE1503-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1503-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**105 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 2.5 | 3.5**
Moment of inertia J	**0.0583 kgm2**
Sound pressure / power LpfA | LWA	**67 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/20**

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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 1LE1503 (IE3)

1LE1503-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1503-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**105 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 2.5 | 3.5**
Moment of inertia J	**0.0583 kgm2**
Sound pressure / power LpfA | LWA	**67 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/20**

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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 1LE1503 (IE3)

1LE1503-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1503-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**97 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21.5 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.6**
Moment of inertia J	**0.049 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/24 (PDF 142)**

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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)

1LE1503-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1503-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**97 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21.5 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.6**
Moment of inertia J	**0.049 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/24 (PDF 142)**

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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)

1LE1503-1CB63-4KA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B14 | Article No. 1LE1503-1CB63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**97 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**71 Nm**
Rated current	**21.5 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**91.4 | 91.9 | 91.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.7 | 2.6 | 3.6**
Moment of inertia J	**0.049 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/24 (PDF 142)**

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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)

1LE1543-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1543-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**109 kg**

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

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.3 | 91.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3 | 3.8**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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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)

1LE1543-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1543-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**109 kg**

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

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**18 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.3 | 91.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3 | 3.8**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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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)

1LE1543-1CB63-4AA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B3 | Article No. 1LE1543-1CB63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**82 kg**

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

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**19 A**
Power factor (60 Hz)	**0.79**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3.1 | 4.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/63 (PDF 181)**

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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)

1LE1543-1CB63-4FA4

11 kW / 1500 rpm

Frame 132 M | 4 poles | IM B5 | Article No. 1LE1543-1CB63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**4**
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)	**82 kg**

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

Rated power (P50 rating)	**11 kW (about 15 HP)**
Rated power (P60 rating)	**12.6 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**59 Nm**
Rated current (460 V, 60 Hz)	**19 A**
Power factor (60 Hz)	**0.79**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**92.4 | 92.6 | 91.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3.1 | 4.1**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**68 | 80 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/63 (PDF 181)**

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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)

1LE1504-1DB23-4AA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B3 | Article No. 1LE1504-1DB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**127 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**71 Nm**
Rated current	**20.5 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.4 | 92.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.9 | 4.1**
Moment of inertia J	**0.085 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1504, p. 3/10**

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Data sheet

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

1LE1504-1DB23-4FA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B5 | Article No. 1LE1504-1DB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**127 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**71 Nm**
Rated current	**20.5 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.4 | 92.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.9 | 4.1**
Moment of inertia J	**0.085 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1504, p. 3/10**

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Data sheet

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

1LE1504-1DB23-4KA4

11 kW / 1500 rpm

Frame 160 M | 4 poles | IM B14 | Article No. 1LE1504-1DB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**4**
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)	**127 kg**

ELECTRICAL DATA

Rated power 50 Hz	**11 kW (about 15 HP)**
Rated power 60 Hz	**12.6 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**71 Nm**
Rated current	**20.5 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.4 | 92.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.9 | 4.1**
Moment of inertia J	**0.085 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1504, p. 3/10**

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