Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1002-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 S**
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)	**38 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)	**1450 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.7 | 84.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.3 | 2.7**
Moment of inertia J	**0.019 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

1LE1002-1BB62-2AA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1002-1BB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
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)	**33 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)	**1420 rpm**
Rated torque	**37 Nm**
Rated current	**11.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 3 | 3.1**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1002-1BB62-2FA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1002-1BB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
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)	**33 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)	**1420 rpm**
Rated torque	**37 Nm**
Rated current	**11.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 3 | 3.1**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1002-1BB62-2KA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1002-1BB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
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)	**33 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)	**1420 rpm**
Rated torque	**37 Nm**
Rated current	**11.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 3 | 3.1**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1001-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1001-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**42 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)	**1465 rpm**
Rated torque	**36 Nm**
Rated current	**11.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.4 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.3 | 2.9**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

1LE1001-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1001-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**42 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)	**1465 rpm**
Rated torque	**36 Nm**
Rated current	**11.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.4 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.3 | 2.9**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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

1LE1001-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1001-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**42 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)	**1465 rpm**
Rated torque	**36 Nm**
Rated current	**11.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.4 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.3 | 2.9**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

1LE1001-1BB62-2AA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1001-1BB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1001-1BB62-2FA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1001-1BB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1001-1BB62-2KA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1001-1BB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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 1LE1003 (IE3)

1LE1003-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1003-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.6 | 90.1 | 89.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.1 | 3.4**
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 1LE1003, p. 2/14 (PDF 132)**

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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)

1LE1003-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1003-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.6 | 90.1 | 89.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.1 | 3.4**
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 1LE1003, p. 2/14 (PDF 132)**

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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)

1LE1003-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1003-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.6 | 90.1 | 89.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.1 | 3.4**
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 1LE1003, p. 2/14 (PDF 132)**

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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)

1LE1041-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1041-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**42 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)	**1770 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.9 A**
Power factor (60 Hz)	**0.78**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.6 | 88.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8 | 2.6 | 3.3**
Moment of inertia J	**0.027 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. 2/65 (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)

1LE1041-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1041-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 S**
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)	**42 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)	**1770 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.9 A**
Power factor (60 Hz)	**0.78**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.6 | 88.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8 | 2.6 | 3.3**
Moment of inertia J	**0.027 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. 2/65 (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)

1LE1041-1BB62-2FA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1041-1BB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1765 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.6 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.3 | 2.8 | 3.6**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 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)

1LE1041-1BB62-2KA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1041-1BB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**112 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**34 kg**

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

Rated power (P50 rating)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1765 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.6 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.3 | 2.8 | 3.6**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**62 | 74 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1043-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1043-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.3 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.6 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.7 | 3.9 | 4.5**
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. 2/54 (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)

1LE1043-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1043-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.3 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.6 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.7 | 3.9 | 4.5**
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. 2/54 (PDF 172)**

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Data sheet

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

1LE1043-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1043-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 S**
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)	**5.5 kW (about 7.5 HP)**
Rated power (P60 rating)	**6.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.3 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.6 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.7 | 3.9 | 4.5**
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. 2/54 (PDF 172)**

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Data sheet

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

1LE1004-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1004-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**132 S**
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)	**59 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 92.5 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 2.6 | 3.5**
Moment of inertia J	**0.039 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1004-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1004-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**132 S**
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)	**59 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 92.5 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 2.6 | 3.5**
Moment of inertia J	**0.039 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1004-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1004-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**132 S**
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)	**59 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 92.5 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 2.6 | 3.5**
Moment of inertia J	**0.039 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1CB02-2AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE0102-1CB02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**4**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB02-2FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE0102-1CB02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**4**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB02-2KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE0102-1CB02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**4**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE0102-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE0102-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE0102-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB04-1AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE0102-1CB04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**8.7 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB04-1FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE0102-1CB04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**8.7 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE0102-1CB04-1KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE0102-1CB04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**132 S**
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)	**59 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)	**1450 rpm**
Rated torque	**36.2 Nm**
Rated current	**8.7 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.5 | 84.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2 | 3.1**
Moment of inertia J	**0.019 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)

1LE1502-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1502-1CB03-4AA4

GENERAL DATA

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

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**36 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.3 | 2.7**
Moment of inertia J	**0.019 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

1LE1502-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1502-1CB03-4FA4

GENERAL DATA

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

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**36 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.3 | 2.7**
Moment of inertia J	**0.019 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1502-1CB03-4KA4

GENERAL DATA

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

ELECTRICAL DATA

Rated power 50 Hz	**5.5 kW (about 7.5 HP)**
Rated power 60 Hz	**6.3 kW**
Rated speed (50 Hz)	**1450 rpm**
Rated torque	**36 Nm**
Rated current	**11.4 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.3 | 2.7**
Moment of inertia J	**0.019 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-1BB62-2AA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1502-1BB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**112 M**
Poles	**4**
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)	**43 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)	**1420 rpm**
Rated torque	**37 Nm**
Rated current	**11.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 3 | 3.1**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1502-1BB62-2FA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1502-1BB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**112 M**
Poles	**4**
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)	**43 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)	**1420 rpm**
Rated torque	**37 Nm**
Rated current	**11.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 3 | 3.1**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-1BB62-2KA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1502-1BB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**112 M**
Poles	**4**
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)	**43 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)	**1420 rpm**
Rated torque	**37 Nm**
Rated current	**11.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.9 | 85.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 3 | 3.1**
Moment of inertia J	**0.012 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE0101-1CB02-2AB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE0101-1CB02-2AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**4**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.5 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB02-2FB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE0101-1CB02-2FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**4**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.5 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB02-2KB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE0101-1CB02-2KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
Poles	**4**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.5 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB03-4AB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE0101-1CB03-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.495 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB03-4FB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE0101-1CB03-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.495 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB03-4KB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE0101-1CB03-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.495 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB04-1AB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE0101-1CB04-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE0101-1CB04-1FB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE0101-1CB04-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 kgm2**

SOURCE OF DATA

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

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محور نیرو

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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)

1LE0101-1CB04-1KB4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE0101-1CB04-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 86.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.5 | 3.1**
Moment of inertia J	**0.021 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)

1LE1501-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1501-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1465 rpm**
Rated torque	**36 Nm**
Rated current	**11.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.4 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.3 | 2.9**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1501-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1465 rpm**
Rated torque	**36 Nm**
Rated current	**11.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.4 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.3 | 2.9**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1501-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 S**
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)	**61 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)	**1465 rpm**
Rated torque	**36 Nm**
Rated current	**11.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.4 | 87.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.3 | 2.9**
Moment of inertia J	**0.027 kgm2**
Sound pressure / power LpfA | LWA	**64 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1BB62-2AA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1501-1BB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**112 M**
Poles	**4**
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)	**58 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1501-1BB62-2FA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1501-1BB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**112 M**
Poles	**4**
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)	**58 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1501-1BB62-2KA4

5.5 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1501-1BB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**112 M**
Poles	**4**
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)	**58 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)	**1460 rpm**
Rated torque	**36 Nm**
Rated current	**11.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**87.7 | 88.2 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.017 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 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)

1LE1503-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1503-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**74 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.6 | 90.1 | 89.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.1 | 3.4**
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 1LE1503, p. 2/18 (PDF 136)**

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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)

1LE1503-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1503-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**74 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.5 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**89.6 | 90.1 | 89.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.1 | 3.4**
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 1LE1503, p. 2/18 (PDF 136)**

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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)

1LE1543-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1543-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**74 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)	**1775 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.3 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.6 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.7 | 3.9 | 4.5**
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. 2/58 (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)

1LE1543-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1543-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 S**
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)	**74 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)	**1775 rpm**
Rated torque (60 Hz)	**30 Nm**
Rated current (460 V, 60 Hz)	**9.3 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91.7 | 91.6 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.7 | 3.9 | 4.5**
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. 2/58 (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 1LE1504 (IE4)

1LE1504-1CB03-4AA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B3 | Article No. 1LE1504-1CB03-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**132 S**
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)	**77 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 92.5 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 2.6 | 3.5**
Moment of inertia J	**0.039 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/10 (PDF 128)**

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

Data sheet

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

1LE1504-1CB03-4FA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B5 | Article No. 1LE1504-1CB03-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**132 S**
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)	**77 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 92.5 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 2.6 | 3.5**
Moment of inertia J	**0.039 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/10 (PDF 128)**

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

Data sheet

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

1LE1504-1CB03-4KA4

5.5 kW / 1500 rpm

Frame 132 S | 4 poles | IM B14 | Article No. 1LE1504-1CB03-4KA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**132 S**
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)	**77 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)	**1470 rpm**
Rated torque	**36 Nm**
Rated current	**10.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 92.5 | 92.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 2.6 | 3.5**
Moment of inertia J	**0.039 kgm2**
Sound pressure / power LpfA | LWA	**56 | 68 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/10 (PDF 128)**

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