Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1AB62-2AA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B3 | Article No. 1LE1002-1AB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**100 L**
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)	**27 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2.9 | 3.1**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 dB(A)**

SOURCE OF DATA

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

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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)

1LE1002-1AB62-2FA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B5 | Article No. 1LE1002-1AB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**100 L**
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)	**27 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2.9 | 3.1**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1002-1AB62-2KA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B14 | Article No. 1LE1002-1AB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**100 L**
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)	**27 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2.9 | 3.1**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1001-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1001-1BB22-2AA4

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)	**29 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.3 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

1LE1001-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1001-1BB22-2FA4

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)	**29 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.3 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

1LE1001-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1001-1BB22-2KA4

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)	**29 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.3 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

1LE1001-1AB62-2AA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B3 | Article No. 1LE1001-1AB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**100 L**
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)	**30 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 88 | 87.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.5**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1001-1AB62-2FA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B5 | Article No. 1LE1001-1AB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**100 L**
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)	**30 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 88 | 87.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.5**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1001-1AB62-2KA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B14 | Article No. 1LE1001-1AB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**100 L**
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)	**30 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 88 | 87.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.5**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1041-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1041-1BB22-2FA4

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)	**29 kg**

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

Rated power (P50 rating)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**6.9 A**
Power factor (60 Hz)	**0.77**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 85.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3 | 4**
Moment of inertia J	**0.014 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. 2/65 (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)

1LE1041-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1041-1BB22-2KA4

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)	**29 kg**

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

Rated power (P50 rating)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**6.9 A**
Power factor (60 Hz)	**0.77**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.2 | 85.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.7 | 3 | 4**
Moment of inertia J	**0.014 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. 2/65 (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)

1LE1041-1AB62-2FA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B5 | Article No. 1LE1041-1AB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**100 L**
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)	**30 kg**

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

Rated power (P50 rating)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**7A**
Power factor (60 Hz)	**0.76**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.7 | 86.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.2 | 2.8 | 4.3**
Moment of inertia J	**0.014 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)

1LE1041-1AB62-2KA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B14 | Article No. 1LE1041-1AB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**100 L**
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)	**30 kg**

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

Rated power (P50 rating)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**20 Nm**
Rated current (460 V, 60 Hz)	**7A**
Power factor (60 Hz)	**0.76**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**87.5 | 87.7 | 86.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.2 | 2.8 | 4.3**
Moment of inertia J	**0.014 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 1LE1003 (IE3)

1LE1003-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1003-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
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	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**7.9 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.6 | 89.2 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.4 | 3.7**
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 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)

1LE1003-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1003-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
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	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**7.9 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.6 | 89.2 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.4 | 3.7**
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 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)

1LE1003-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1003-1BB22-2KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
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	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**7.9 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.6 | 89.2 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.4 | 3.7**
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 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 1LE1043 (IE3)

1LE1043-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1043-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
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)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**19 Nm**
Rated current (460 V, 60 Hz)	**6.5 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.4 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.9 | 4.3**
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 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)

1LE1043-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1043-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
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)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**19 Nm**
Rated current (460 V, 60 Hz)	**6.5 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.4 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.9 | 4.3**
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 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)

1LE1043-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1043-1BB22-2KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
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)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**19 Nm**
Rated current (460 V, 60 Hz)	**6.5 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.4 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.9 | 4.3**
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 1LE1043, p. 2/54 (PDF 172)**

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

Data sheet

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

1LE1004-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1004-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**26 Nm**
Rated current	**7.8 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**91.1 | 91.6 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 3.1 | 4.3**
Moment of inertia J	**0.02 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1004-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1004-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**26 Nm**
Rated current	**7.8 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**91.1 | 91.6 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 3.1 | 4.3**
Moment of inertia J	**0.02 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1004-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1004-1BB22-2KA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**26 Nm**
Rated current	**7.8 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**91.1 | 91.6 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 3.1 | 4.3**
Moment of inertia J	**0.02 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE0102-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE0102-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE0102-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE0102-1BB22-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB23-4AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE0102-1BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB23-4FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE0102-1BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB23-4KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE0102-1BB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.8 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB24-1AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE0102-1BB24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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	**525 V D**
Net weight (IM B3)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**6.7 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB24-1FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE0102-1BB24-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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	**525 V D**
Net weight (IM B3)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**6.7 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE0102-1BB24-1KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE0102-1BB24-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / 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	**525 V D**
Net weight (IM B3)	**44 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**6.7 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.3 | 81.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.4 | 2.8 | 3.3**
Moment of inertia J	**0.011 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)

1LE1502-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1502-1BB22-2AA4

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)	**38 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.5 | 2.9**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**57 | 70 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)

1LE1502-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1502-1BB22-2FA4

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)	**38 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.5 | 2.9**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**57 | 70 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)

1LE1502-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1502-1BB22-2KA4

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)	**38 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 84.3 | 83.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.5 | 2.9**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**57 | 70 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)

1LE1502-1AB62-2AA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B3 | Article No. 1LE1502-1AB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**100 L**
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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.6 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2.9 | 3.1**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1502-1AB62-2FA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B5 | Article No. 1LE1502-1AB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**100 L**
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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.6 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2.9 | 3.1**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1502-1AB62-2KA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B14 | Article No. 1LE1502-1AB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**100 L**
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)	**36 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.6 kW**
Rated speed (50 Hz)	**1435 rpm**
Rated torque	**27 Nm**
Rated current	**8.6 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**83.1 | 83.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2.9 | 3.1**
Moment of inertia J	**0.01 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 dB(A)**

SOURCE OF DATA

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Data sheet

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

1LE0101-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE0101-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.4 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE0101-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.4 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE0101-1BB22-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.4 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB23-4AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE0101-1BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.455 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB23-4FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE0101-1BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.455 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB23-4KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE0101-1BB23-4KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**8.455 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB24-1AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE0101-1BB24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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	**525 V D**
Net weight (IM B3)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**6.4 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB24-1FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE0101-1BB24-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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	**525 V D**
Net weight (IM B3)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**6.4 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE0101-1BB24-1KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE0101-1BB24-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / 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	**525 V D**
Net weight (IM B3)	**45 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1445 rpm**
Rated torque	**26.4 Nm**
Rated current	**6.4 A**
Power factor	**0.79**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.1 | 85.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.7 | 3.1**
Moment of inertia J	**0.011 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)

1LE1501-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1501-1BB22-2AA4

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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.3 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

1LE1501-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1501-1BB22-2FA4

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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.3 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1501-1BB22-2KA4

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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.2 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 87.3 | 86.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.5 | 3.2**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**58 | 70 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1AB62-2AA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B3 | Article No. 1LE1501-1AB62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**100 L**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 88 | 87.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.5**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1501-1AB62-2FA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B5 | Article No. 1LE1501-1AB62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**100 L**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 88 | 87.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.5**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1501-1AB62-2KA4

4 kW / 1500 rpm

Frame 100 L | 4 poles | IM B14 | Article No. 1LE1501-1AB62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**100 L**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**8.3 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**86.6 | 88 | 87.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.2 | 3.5**
Moment of inertia J	**0.014 kgm2**
Sound pressure / power LpfA | LWA	**60 | 72 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)

1LE1503-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1503-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**7.9 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.6 | 89.2 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.4 | 3.7**
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 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)

1LE1503-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1503-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
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)	**46 kg**

ELECTRICAL DATA

Rated power 50 Hz	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**26 Nm**
Rated current	**7.9 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.6 | 89.2 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 2.4 | 3.7**
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 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)

1LE1543-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1543-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
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)	**46 kg**

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

Rated power (P50 rating)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**19 Nm**
Rated current (460 V, 60 Hz)	**6.5 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.4 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.9 | 4.3**
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 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)

1LE1543-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1543-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
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)	**46 kg**

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

Rated power (P50 rating)	**4 kW (about 5.5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**1770 rpm**
Rated torque (60 Hz)	**19 Nm**
Rated current (460 V, 60 Hz)	**6.5 A**
Power factor (60 Hz)	**0.8**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.4 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.2 | 2.9 | 4.3**
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 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)

1LE1504-1BB22-2AA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B3 | Article No. 1LE1504-1BB22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
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	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**26 Nm**
Rated current	**7.8 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**91.1 | 91.6 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 3.1 | 4.3**
Moment of inertia J	**0.02 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1504-1BB22-2FA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B5 | Article No. 1LE1504-1BB22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
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	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**26 Nm**
Rated current	**7.8 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**91.1 | 91.6 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 3.1 | 4.3**
Moment of inertia J	**0.02 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 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)

1LE1504-1BB22-2KA4

4 kW / 1500 rpm

Frame 112 M | 4 poles | IM B14 | Article No. 1LE1504-1BB22-2KA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
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	**4 kW (about 5.5 HP)**
Rated power 60 Hz	**4.55 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**26 Nm**
Rated current	**7.8 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**91.1 | 91.6 | 91 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.3 | 3.1 | 4.3**
Moment of inertia J	**0.02 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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