Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1002-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**160 L**
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)	**73 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**30 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.1 | 88 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 3 | 3.6**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/45 (PDF 163)**
Catalog 2	**Brochure 07/2014 (14050629), p. 18 (PDF 18)**

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

Data sheet

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

1LE1001-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1001-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**97 Nm**
Rated current	**28 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.2 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.3 | 3**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1001-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1001-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**97 Nm**
Rated current	**28 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.2 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.3 | 3**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1001-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1001-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**97 Nm**
Rated current	**28 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.2 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.3 | 3**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1041-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1041-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1780 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**24.5 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 2.6 | 3.4**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 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)

1LE1041-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1041-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**83 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1780 rpm**
Rated torque (60 Hz)	**80 Nm**
Rated current (460 V, 60 Hz)	**24.5 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 2.6 | 3.4**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/65 (PDF 183)**

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Data sheet

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

1LE1003-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1003-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 L**
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)	**106 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**98 Nm**
Rated current	**28.5 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**92.1 | 92.7 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 3.4**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1003-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1003-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 L**
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)	**106 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**98 Nm**
Rated current	**28.5 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**92.1 | 92.7 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 3.4**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1003-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1003-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 L**
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)	**106 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**98 Nm**
Rated current	**28.5 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**92.1 | 92.7 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 3.4**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1043-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1043-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 L**
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)	**134 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**81 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**93 | 92.9 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3.1 | 3.8**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**66 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/62**

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Data sheet

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

1LE1043-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1043-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 L**
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)	**134 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**81 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**93 | 92.9 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3.1 | 3.8**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**66 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/62**

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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)

1LE1043-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1043-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 L**
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)	**134 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**81 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**93 | 92.9 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3.1 | 3.8**
Moment of inertia J	**0.13 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**66 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/62**

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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)

1LE1004-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1004-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**109 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**97 Nm**
Rated current	**29 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 3.7 | 4.3**
Moment of inertia J	**0.11 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 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)

1LE1004-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1004-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**109 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**97 Nm**
Rated current	**29 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 3.7 | 4.3**
Moment of inertia J	**0.11 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 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)

1LE1004-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1004-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**109 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**97 Nm**
Rated current	**29 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 3.7 | 4.3**
Moment of inertia J	**0.11 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 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)

1LE0102-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE0102-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
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)	**125 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**29 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.4 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.8**
Moment of inertia J	**0.06 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)

1LE0102-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE0102-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
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)	**125 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**29 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.4 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.8**
Moment of inertia J	**0.06 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE0102-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
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)	**125 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**29 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.4 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.8**
Moment of inertia J	**0.06 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1DB44-1AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE0102-1DB44-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
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)	**125 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**22 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.4 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.8**
Moment of inertia J	**0.06 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)

1LE0102-1DB44-1FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE0102-1DB44-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
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)	**125 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**22 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.4 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.8**
Moment of inertia J	**0.06 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)

1LE0102-1DB44-1KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE0102-1DB44-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
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)	**125 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**22 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.4 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.8**
Moment of inertia J	**0.06 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)

1LE1502-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1502-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**105 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**30 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.1 | 88 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 3 | 3.6**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1502-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1502-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**105 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**30 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.1 | 88 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 3 | 3.6**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1502-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 L**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**105 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1460 rpm**
Rated torque	**98 Nm**
Rated current	**30 A**
Power factor	**0.82**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.1 | 88 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 3 | 3.6**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-1DB43-4AB4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE0101-1DB43-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**130 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**97.8 Nm**
Rated current	**28.025 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.3 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.2**
Moment of inertia J	**0.066 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)

1LE0101-1DB43-4FB4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE0101-1DB43-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**130 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**97.8 Nm**
Rated current	**28.025 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.3 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.2**
Moment of inertia J	**0.066 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)

1LE0101-1DB43-4KB4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE0101-1DB43-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**130 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**97.8 Nm**
Rated current	**28.025 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.3 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.2**
Moment of inertia J	**0.066 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)

1LE0101-1DB44-1AB4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE0101-1DB44-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**130 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**97.8 Nm**
Rated current	**21.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.3 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.2**
Moment of inertia J	**0.066 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)

1LE0101-1DB44-1FB4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE0101-1DB44-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**130 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**97.8 Nm**
Rated current	**21.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.3 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.2**
Moment of inertia J	**0.066 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)

1LE0101-1DB44-1KB4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE0101-1DB44-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**130 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**97.8 Nm**
Rated current	**21.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.3 | 90.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.7 | 3.2**
Moment of inertia J	**0.066 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)

1LE1501-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1501-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**104 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**97 Nm**
Rated current	**28 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.2 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.3 | 3**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1501-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1501-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**104 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**97 Nm**
Rated current	**28 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.2 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.3 | 3**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1501-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 L**
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)	**104 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**97 Nm**
Rated current	**28 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**90.6 | 91.2 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.3 | 3**
Moment of inertia J	**0.083 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1503-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1503-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 L**
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)	**133 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**98 Nm**
Rated current	**28.5 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**92.1 | 92.7 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 3.4**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1503-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1503-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 L**
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)	**133 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1465 rpm**
Rated torque	**98 Nm**
Rated current	**28.5 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**92.1 | 92.7 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.8 | 3.4**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA	**58 | 66 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1543-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1543-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 L**
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)	**133 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**81 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**93 | 92.9 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3.1 | 3.8**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**66 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/66**

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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)

1LE1543-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1543-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 L**
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)	**133 kg**

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

Rated power (P50 rating)	**15 kW (about 20 HP)**
Rated power (P60 rating)	**17.3 kW**
Rated speed (60 Hz)	**1775 rpm**
Rated torque (60 Hz)	**81 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.81**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**93 | 92.9 | 92.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.9 | 3.1 | 3.8**
Moment of inertia J	**0.089 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**66 | 74 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/66**

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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)

1LE1504-1DB43-4AA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B3 | Article No. 1LE1504-1DB43-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 L**
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)	**138 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**97 Nm**
Rated current	**29 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 3.7 | 4.3**
Moment of inertia J	**0.11 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 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)

1LE1504-1DB43-4FA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B5 | Article No. 1LE1504-1DB43-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 L**
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)	**138 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**97 Nm**
Rated current	**29 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 3.7 | 4.3**
Moment of inertia J	**0.11 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1504-1DB43-4KA4

15 kW / 1500 rpm

Frame 160 L | 4 poles | IM B14 | Article No. 1LE1504-1DB43-4KA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 L**
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)	**138 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**1480 rpm**
Rated torque	**97 Nm**
Rated current	**29 A**
Power factor	**0.8**
Efficiency 4/4 | 3/4 | 2/4	**93.9 | 94 | 93.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 3.7 | 4.3**
Moment of inertia J	**0.11 kgm2**
Sound pressure / power LpfA | LWA	**63 | 76 dB(A)**

SOURCE OF DATA

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

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