Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1002-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
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)	**68 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**49 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 88.9 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.4 | 3.2**
Moment of inertia J	**0.036 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/44 (PDF 162)**
Catalog 2	**Brochure 07/2014 (14050629), p. 18 (PDF 18)**

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

Data sheet

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

1LE1002-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1002-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
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)	**68 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**49 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 88.9 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.4 | 3.2**
Moment of inertia J	**0.036 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/44 (PDF 162)**
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Data sheet

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

1LE1001-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1001-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**27 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 90.7 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 2.4 | 3.4**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1001-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**27 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 90.7 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 2.4 | 3.4**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**
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Data sheet

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

1LE1001-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1001-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**27 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 90.7 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 2.4 | 3.4**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/26 (PDF 144)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1041-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1041-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 kg**

ELECTRICAL DATA - 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)	**3565 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 2.8 | 3.9**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 89 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 1LE1041 (IE2)

1LE1041-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1041-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**75 kg**

ELECTRICAL DATA - 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)	**3565 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90 | 88.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 2.8 | 3.9**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**77 | 89 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)

1LE1041-1CA73-4FA4

15 kW / 3000 rpm

Frame 132 L | 2 poles | IM B5 | Article No. 1LE1041-1CA73-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 L**
Poles	**2**
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)	**65 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)	**3555 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**23 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.6 | 90.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**10 | 2.5 | 4.7**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 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)

1LE1041-1CA73-4KA4

15 kW / 3000 rpm

Frame 132 L | 2 poles | IM B14 | Article No. 1LE1041-1CA73-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 L**
Poles	**2**
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)	**65 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)	**3555 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**23 A**
Power factor (60 Hz)	**0.91**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**90.2 | 90.6 | 90.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**10 | 2.5 | 4.7**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 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)

1LE1003-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1003-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**78 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48.5 Nm**
Rated current	**27.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 91.9 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**10.2 | 3.5 | 4.4**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA	**77 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/13**

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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)

1LE1003-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1003-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**78 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48.5 Nm**
Rated current	**27.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 91.9 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**10.2 | 3.5 | 4.4**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA	**77 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/13**

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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)

1LE1003-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1003-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**78 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48.5 Nm**
Rated current	**27.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 91.9 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**10.2 | 3.5 | 4.4**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA	**77 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/13**

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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)

1LE1043-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1043-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**78 kg**

ELECTRICAL DATA - 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.4 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.8 | 4 | 5.2**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**81 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/61**

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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)

1LE1043-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1043-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**78 kg**

ELECTRICAL DATA - 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.4 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.8 | 4 | 5.2**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**81 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/61**

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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)

1LE1043-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1043-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**78 kg**

ELECTRICAL DATA - 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.4 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.8 | 4 | 5.2**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**81 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/61**

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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)

1LE1043-1CA73-4AA4

15 kW / 3000 rpm

Frame 132 L | 2 poles | IM B3 | Article No. 1LE1043-1CA73-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 L**
Poles	**2**
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)	**65 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)	**3570 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.9 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3.4 | 5.4**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**78 | 86 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/64**

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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)

1LE1043-1CA73-4FA4

15 kW / 3000 rpm

Frame 132 L | 2 poles | IM B5 | Article No. 1LE1043-1CA73-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 L**
Poles	**2**
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)	**65 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)	**3570 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.9 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3.4 | 5.4**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**78 | 86 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/64**

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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)

1LE1043-1CA73-4KA4

15 kW / 3000 rpm

Frame 132 L | 2 poles | IM B14 | Article No. 1LE1043-1CA73-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**132 L**
Poles	**2**
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)	**65 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)	**3570 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**25 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.9 | 90.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.1 | 3.4 | 5.4**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**78 | 86 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1043, p. 3/64**

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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)

1LE1004-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1004-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
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)	**98 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**26 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.1 | 4.5**
Moment of inertia J	**0.068 kgm2**
Sound pressure / power LpfA | LWA	**74 | 87 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)

1LE1004-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1004-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
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)	**98 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**26 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.1 | 4.5**
Moment of inertia J	**0.068 kgm2**
Sound pressure / power LpfA | LWA	**74 | 87 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)

1LE1004-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1004-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1004 / IE4**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**2**
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)	**98 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**26 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.1 | 4.5**
Moment of inertia J	**0.068 kgm2**
Sound pressure / power LpfA | LWA	**74 | 87 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE0102-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**101 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**48.9 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.2 | 3.2**
Moment of inertia J	**0.034 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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

Data sheet

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

1LE0102-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE0102-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**101 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**48.9 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.2 | 3.2**
Moment of inertia J	**0.034 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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

Data sheet

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

1LE0102-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE0102-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**101 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**48.9 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.2 | 3.2**
Moment of inertia J	**0.034 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 20 (PDF 20)**

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Data sheet

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

1LE0102-1DA34-1AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE0102-1DA34-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**101 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**48.9 Nm**
Rated current	**21.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.2 | 3.2**
Moment of inertia J	**0.034 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)

1LE0102-1DA34-1FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE0102-1DA34-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**101 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**48.9 Nm**
Rated current	**21.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.2 | 3.2**
Moment of inertia J	**0.034 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)

1LE0102-1DA34-1KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE0102-1DA34-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**101 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**17.3 kW**
Rated speed (50 Hz)	**2930 rpm**
Rated torque	**48.9 Nm**
Rated current	**21.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 89.3 | 87.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7 | 2.2 | 3.2**
Moment of inertia J	**0.034 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 1LE1502 (IE1)

1LE1502-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1502-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**95 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**18 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**49 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 88.9 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.4 | 3.2**
Moment of inertia J	**0.036 kgm2**
Sound pressure / power LpfA | LWA	**73 | 86 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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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)

1LE1502-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1502-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**95 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**18 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**49 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 88.9 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.4 | 3.2**
Moment of inertia J	**0.036 kgm2**
Sound pressure / power LpfA | LWA	**73 | 86 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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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)

1LE1502-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1502-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**95 kg**

ELECTRICAL DATA

Rated power 50 Hz	**15 kW (about 20 HP)**
Rated power 60 Hz	**18 kW**
Rated speed (50 Hz)	**2935 rpm**
Rated torque	**49 Nm**
Rated current	**28.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**88.7 | 88.9 | 87.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.8 | 2.4 | 3.2**
Moment of inertia J	**0.036 kgm2**
Sound pressure / power LpfA | LWA	**73 | 86 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/48 (PDF 166)**

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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)

1LE0101-1DA33-4AB4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE0101-1DA33-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2935 rpm**
Rated torque	**48.8 Nm**
Rated current	**28 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 91 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.4 | 3.2**
Moment of inertia J	**0.038 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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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)

1LE0101-1DA33-4FB4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE0101-1DA33-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2935 rpm**
Rated torque	**48.8 Nm**
Rated current	**28 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 91 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.4 | 3.2**
Moment of inertia J	**0.038 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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Data sheet

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

1LE0101-1DA33-4KB4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE0101-1DA33-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2935 rpm**
Rated torque	**48.8 Nm**
Rated current	**28 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 91 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.4 | 3.2**
Moment of inertia J	**0.038 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 23 (PDF 23)**

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Data sheet

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

1LE0101-1DA34-1AB4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE0101-1DA34-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
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)	**2935 rpm**
Rated torque	**48.8 Nm**
Rated current	**21.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 91 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.4 | 3.2**
Moment of inertia J	**0.038 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)

1LE0101-1DA34-1FB4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE0101-1DA34-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
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)	**2935 rpm**
Rated torque	**48.8 Nm**
Rated current	**21.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 91 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.4 | 3.2**
Moment of inertia J	**0.038 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)

1LE0101-1DA34-1KB4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE0101-1DA34-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
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)	**2935 rpm**
Rated torque	**48.8 Nm**
Rated current	**21.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 91 | 90.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.5 | 2.4 | 3.2**
Moment of inertia J	**0.038 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE1501-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1501-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**27 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 90.7 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 2.4 | 3.4**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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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)

1LE1501-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1501-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**27 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 90.7 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 2.4 | 3.4**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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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)

1LE1501-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1501-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**27 A**
Power factor	**0.88**
Efficiency 4/4 | 3/4 | 2/4	**90.3 | 90.7 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.6 | 2.4 | 3.4**
Moment of inertia J	**0.053 kgm2**
Sound pressure / power LpfA | LWA	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/32 (PDF 150)**

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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)

1LE1503-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1503-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48.5 Nm**
Rated current	**27.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 91.9 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**10.2 | 3.5 | 4.4**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA	**77 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/19**

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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)

1LE1503-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1503-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48.5 Nm**
Rated current	**27.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**91.9 | 91.9 | 90.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**10.2 | 3.5 | 4.4**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA	**77 | 85 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/19**

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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)

1LE1543-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1543-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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 - 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.4 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.8 | 4 | 5.2**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**81 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/65**

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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)

1LE1543-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1543-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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 - 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 90.4 | 88.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.8 | 4 | 5.2**
Moment of inertia J	**0.043 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**81 | 89 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/65**

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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)

1LE1543-1CA73-4AA4

15 kW / 3000 rpm

Frame 132 M | 2 poles | IM B3 | Article No. 1LE1543-1CA73-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**2**
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)	**85 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.9 | 2.7 | 5.5**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1543-1CA73-4FA4

15 kW / 3000 rpm

Frame 132 M | 2 poles | IM B5 | Article No. 1LE1543-1CA73-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**2**
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)	**85 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)	**3560 rpm**
Rated torque (60 Hz)	**40 Nm**
Rated current (460 V, 60 Hz)	**24 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.9 | 2.7 | 5.5**
Moment of inertia J	**0.035 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**72 | 84 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1504-1DA33-4AA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B3 | Article No. 1LE1504-1DA33-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**26 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.1 | 4.5**
Moment of inertia J	**0.068 kgm2**
Sound pressure / power LpfA | LWA	**74 | 87 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1504, p. 2/9 (PDF 127)**

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Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
60 Hz speed/efficiency are not listed in the catalogs (see Siemens DT Configurator).

Data sheet

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

1LE1504-1DA33-4FA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B5 | Article No. 1LE1504-1DA33-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**26 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.1 | 4.5**
Moment of inertia J	**0.068 kgm2**
Sound pressure / power LpfA | LWA	**74 | 87 dB(A)**

SOURCE OF DATA

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Data sheet

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

1LE1504-1DA33-4KA4

15 kW / 3000 rpm

Frame 160 M | 2 poles | IM B14 | Article No. 1LE1504-1DA33-4KA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**2**
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)	**2955 rpm**
Rated torque	**48 Nm**
Rated current	**26 A**
Power factor	**0.9**
Efficiency 4/4 | 3/4 | 2/4	**93.3 | 93.5 | 92.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**9 | 3.1 | 4.5**
Moment of inertia J	**0.068 kgm2**
Sound pressure / power LpfA | LWA	**74 | 87 dB(A)**

SOURCE OF DATA

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