Data sheets - Siemens SIMOTICS GP motors

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Data sheet

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

1LE1002-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1002-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**72 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**17.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 85 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.1 | 2.9**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1002, p. 2/46 (PDF 164)**
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)

1LE1002-1CC63-4AA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1002-1CC63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
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)	**54 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**75 Nm**
Rated current	**17.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.3 | 2.4 | 3**
Moment of inertia J	**0.032 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1002-1CC63-4FA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1002-1CC63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
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)	**54 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**75 Nm**
Rated current	**17.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.3 | 2.4 | 3**
Moment of inertia J	**0.032 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1002-1CC63-4KA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1002-1CC63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
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)	**54 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**75 Nm**
Rated current	**17.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.3 | 2.4 | 3**
Moment of inertia J	**0.032 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1001-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1001-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**77 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**73 Nm**
Rated current	**16.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.7 | 1.9 | 2.2**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/28 (PDF 146)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 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 1LE1001 (IE2)

1LE1001-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1001-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**77 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**73 Nm**
Rated current	**16.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.7 | 1.9 | 2.2**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/28 (PDF 146)**
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Data sheet

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

1LE1001-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1001-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**77 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**73 Nm**
Rated current	**16.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.7 | 1.9 | 2.2**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/28 (PDF 146)**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-1CC63-4AA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1001-1CC63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**16.6 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 88.1 | 87.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2 | 2.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/31 (PDF 149)**

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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)

1LE1001-1CC63-4FA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1001-1CC63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**16.6 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 88.1 | 87.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2 | 2.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/31 (PDF 149)**

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Data sheet

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

1LE1001-1CC63-4KA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1001-1CC63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**16.6 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 88.1 | 87.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2 | 2.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/31 (PDF 149)**

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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)

1LE1003-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1003-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**93 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**985 rpm**
Rated torque	**73 Nm**
Rated current	**15 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**89.1 | 89.7 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.3 | 3.2**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA	**71 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/15**

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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)

1LE1003-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1003-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**93 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**985 rpm**
Rated torque	**73 Nm**
Rated current	**15 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**89.1 | 89.7 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.3 | 3.2**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA	**71 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/15**

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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)

1LE1003-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1003-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**93 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**985 rpm**
Rated torque	**73 Nm**
Rated current	**15 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**89.1 | 89.7 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.3 | 3.2**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA	**71 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1003, p. 3/15**

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

Data sheet

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

1LE1041-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1041-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**77 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**61 Nm**
Rated current (460 V, 60 Hz)	**14.4 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.6 | 88.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.4 | 2.1 | 2.5**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/66 (PDF 184)**

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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)

1LE1041-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1041-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**77 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1180 rpm**
Rated torque (60 Hz)	**61 Nm**
Rated current (460 V, 60 Hz)	**14.4 A**
Power factor (60 Hz)	**0.73**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.6 | 88.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.4 | 2.1 | 2.5**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1041, p. 2/66 (PDF 184)**

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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)

1LE1041-1CC63-4FA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1041-1CC63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**61 Nm**
Rated current (460 V, 60 Hz)	**14.6 A**
Power factor (60 Hz)	**0.72**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.8 | 88.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.4 | 2.2 | 3**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1041-1CC63-4KA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1041-1CC63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**132 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**64 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1175 rpm**
Rated torque (60 Hz)	**61 Nm**
Rated current (460 V, 60 Hz)	**14.6 A**
Power factor (60 Hz)	**0.72**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**89.5 | 89.8 | 88.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**6.4 | 2.2 | 3**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 79 dB(A)**

SOURCE OF DATA

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

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Data sheet

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

1LE1043-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1043-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**93 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1185 rpm**
Rated torque (60 Hz)	**60 Nm**
Rated current (460 V, 60 Hz)	**13.8 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.9 | 2.4 | 2.6**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/55 (PDF 173)**

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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)

1LE1043-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1043-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**93 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1185 rpm**
Rated torque (60 Hz)	**60 Nm**
Rated current (460 V, 60 Hz)	**13.8 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.9 | 2.4 | 2.6**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/55 (PDF 173)**

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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)

1LE1043-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1043-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**160 M**
Poles	**6**
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)	**93 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1185 rpm**
Rated torque (60 Hz)	**60 Nm**
Rated current (460 V, 60 Hz)	**13.8 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.9 | 2.4 | 2.6**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/55 (PDF 173)**

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Data sheet

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

1LE0102-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE0102-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74 Nm**
Rated current	**16.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 84.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.052 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

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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)

1LE0102-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE0102-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74 Nm**
Rated current	**16.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 84.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.052 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

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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)

1LE0102-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE0102-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74 Nm**
Rated current	**16.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 84.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.052 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 22 (PDF 22)**

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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)

1LE0102-1DC24-1AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE0102-1DC24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74 Nm**
Rated current	**12.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 84.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.052 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 27 (PDF 27)**

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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)

1LE0102-1DC24-1FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE0102-1DC24-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74 Nm**
Rated current	**12.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 84.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.052 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 27 (PDF 27)**

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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)

1LE0102-1DC24-1KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE0102-1DC24-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74 Nm**
Rated current	**12.8 A**
Power factor	**0.76**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 84.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.052 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 27 (PDF 27)**

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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)

1LE1502-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1502-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**100 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**17.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 85 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.1 | 2.9**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/50 (PDF 168)**

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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)

1LE1502-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1502-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**100 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**17.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 85 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.1 | 2.9**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/50 (PDF 168)**

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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)

1LE1502-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1502-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**100 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**17.5 A**
Power factor	**0.73**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.4 | 85 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.1 | 2.9**
Moment of inertia J	**0.056 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/50 (PDF 168)**

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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)

1LE1502-1CC63-4AA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1502-1CC63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**75 Nm**
Rated current	**17.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.3 | 2.4 | 3**
Moment of inertia J	**0.032 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/53 (PDF 171)**

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محور نیرو

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

Data sheet

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

1LE1502-1CC63-4FA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1502-1CC63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**75 Nm**
Rated current	**17.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.3 | 2.4 | 3**
Moment of inertia J	**0.032 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/53 (PDF 171)**

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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)

1LE1502-1CC63-4KA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1502-1CC63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**950 rpm**
Rated torque	**75 Nm**
Rated current	**17.3 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**84.7 | 85.3 | 84.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.3 | 2.4 | 3**
Moment of inertia J	**0.032 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1502, p. 2/53 (PDF 171)**

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Data sheet

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

1LE0101-1DC23-4AB4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE0101-1DC23-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74.2 Nm**
Rated current	**16.2 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.056 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

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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)

1LE0101-1DC23-4FB4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE0101-1DC23-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74.2 Nm**
Rated current	**16.2 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.056 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

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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)

1LE0101-1DC23-4KB4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE0101-1DC23-4KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74.2 Nm**
Rated current	**16.2 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.056 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 25 (PDF 25)**

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Data sheet

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

1LE0101-1DC24-1AB4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE0101-1DC24-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**104 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74.2 Nm**
Rated current	**12.3 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.056 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 29 (PDF 29)**

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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)

1LE0101-1DC24-1FB4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE0101-1DC24-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**104 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74.2 Nm**
Rated current	**12.3 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.056 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 29 (PDF 29)**

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Data sheet

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

1LE0101-1DC24-1KB4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE0101-1DC24-1KB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**104 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**965 rpm**
Rated torque	**74.2 Nm**
Rated current	**12.3 A**
Power factor	**0.77**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.8 | 2 | 2.9**
Moment of inertia J	**0.056 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 29 (PDF 29)**

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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)

1LE1501-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1501-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**73 Nm**
Rated current	**16.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.7 | 1.9 | 2.2**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/34 (PDF 152)**

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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)

1LE1501-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1501-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**73 Nm**
Rated current	**16.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.7 | 1.9 | 2.2**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/34 (PDF 152)**

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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)

1LE1501-1DC23-4KA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B14 | Article No. 1LE1501-1DC23-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**975 rpm**
Rated torque	**73 Nm**
Rated current	**16.8 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 87.9 | 87.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**4.7 | 1.9 | 2.2**
Moment of inertia J	**0.075 kgm2**
Sound pressure / power LpfA | LWA	**67 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/34 (PDF 152)**

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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)

1LE1501-1CC63-4AA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B3 | Article No. 1LE1501-1CC63-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**16.6 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 88.1 | 87.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2 | 2.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/41 (PDF 159)**

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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)

1LE1501-1CC63-4FA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B5 | Article No. 1LE1501-1CC63-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**16.6 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 88.1 | 87.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2 | 2.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/41 (PDF 159)**

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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)

1LE1501-1CC63-4KA4

7.5 kW / 1000 rpm

Frame 132 M | 6 poles | IM B14 | Article No. 1LE1501-1CC63-4KA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**132 M**
Poles	**6**
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	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**8.6 kW**
Rated speed (50 Hz)	**970 rpm**
Rated torque	**74 Nm**
Rated current	**16.6 A**
Power factor	**0.75**
Efficiency 4/4 | 3/4 | 2/4	**87.2 | 88.1 | 87.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.6 | 2 | 2.6**
Moment of inertia J	**0.046 kgm2**
Sound pressure / power LpfA | LWA	**63 | 75 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/41 (PDF 159)**

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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)

1LE1503-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1503-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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)	**124 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**985 rpm**
Rated torque	**73 Nm**
Rated current	**15 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**89.1 | 89.7 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.3 | 3.2**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA	**71 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/21**

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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 1LE1503 (IE3)

1LE1503-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1503-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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)	**124 kg**

ELECTRICAL DATA

Rated power 50 Hz	**7.5 kW (about 10 HP)**
Rated power 60 Hz	**not listed (catalog 09/2023)**
Rated speed (50 Hz)	**985 rpm**
Rated torque	**73 Nm**
Rated current	**15 A**
Power factor	**0.81**
Efficiency 4/4 | 3/4 | 2/4	**89.1 | 89.7 | 89 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.9 | 2.3 | 3.2**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA	**71 | 79 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1503, p. 3/21**

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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 1LE1543 (IE3)

1LE1543-1DC23-4AA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B3 | Article No. 1LE1543-1DC23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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)	**122 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1185 rpm**
Rated torque (60 Hz)	**60 Nm**
Rated current (460 V, 60 Hz)	**13.8 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.9 | 2.4 | 2.6**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/59 (PDF 177)**

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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)

1LE1543-1DC23-4FA4

7.5 kW / 1000 rpm

Frame 160 M | 6 poles | IM B5 | Article No. 1LE1543-1DC23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**160 M**
Poles	**6**
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)	**122 kg**

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

Rated power (P50 rating)	**7.5 kW (about 10 HP)**
Rated power (P60 rating)	**8.6 kW**
Rated speed (60 Hz)	**1185 rpm**
Rated torque (60 Hz)	**60 Nm**
Rated current (460 V, 60 Hz)	**13.8 A**
Power factor (60 Hz)	**0.75**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**91 | 91.1 | 90 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**5.9 | 2.4 | 2.6**
Moment of inertia J	**0.098 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**70 | 82 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/59 (PDF 177)**

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