Data sheets - Siemens SIMOTICS GP motors

1.5 kW / 3000 rpm - 37 article numbers in this file

Article No.	Page
1LA7090-2AA11	2
1LA7090-2AA12	3
1LE1002-0EA02-2AA4	4
1LE1002-0EA02-2FA4	5
1LE1002-0EA02-2KA4	6
1LE1001-0EA02-2AA4	7
1LE1001-0EA02-2FA4	8
1LE1001-0EA02-2KA4	9
1LE1001-0DA62-2AA4	10
1LE1001-0DA62-2FA4	11
1LE1001-0DA62-2KA4	12
1LE1041-0EA02-2FA4	13
1LE1041-0EA02-2KA4	14
1LE1003-0EA02-2AA4	15
1LE1003-0EA02-2FA4	16
1LE1003-0EA02-2KA4	17
1LE1043-0EA02-2AA4	18
1LE1043-0EA02-2FA4	19
1LE1043-0EA02-2KA4	20
1LE0102-0EA02-2AA4	21
1LE0102-0EA02-2FA4	22
1LE0102-0EA02-2KA4	23
1LE0102-0EA04-1AA4	24
1LE0102-0EA04-1FA4	25
1LE0102-0EA04-1KA4	26
1LE0101-0EA02-2AA4	27
1LE0101-0EA02-2FA4	28
1LE0101-0EA02-2KA4	29
1LE0101-0EA04-1AA4	30
1LE0101-0EA04-1FA4	31
1LE0101-0EA04-1KA4	32
1LE1501-0EA02-2AA4	33
1LE1501-0EA02-2FA4	34
1LE1503-0EA02-2AA4	35
1LE1503-0EA02-2FA4	36
1LE1543-0EA02-2AA4	37
1LE1543-0EA02-2FA4	38

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Data sheet

SIMOTICS GP low-voltage motor - series 1LA7090 (IE1)

1LA7090-2AA11

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LA7090-2AA11

GENERAL DATA

Series / efficiency class	**1LA7090 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y (50 Hz), 460 Y (60 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2860 rpm**
Rated torque	**5 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 77.7 | 74.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.8 | 2.7**
Moment of inertia J	**0.0014 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LA7090, p. 18 (PDF 18)**

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Data sheet

SIMOTICS GP low-voltage motor - series 1LA7090 (IE1)

1LA7090-2AA12

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LA7090-2AA12

GENERAL DATA

Series / efficiency class	**1LA7090 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y (50 Hz), 460 Y (60 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2860 rpm**
Rated torque	**5 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 77.7 | 74.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.8 | 2.7**
Moment of inertia J	**0.0014 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LA7090, p. 18 (PDF 18)**

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Data sheet

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

1LE1002-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1002-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**5.1 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 78.2 | 76.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.6 | 2.9**
Moment of inertia J	**0.0014 kgm2**
Sound pressure / power LpfA | LWA	**71 | 78 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 1LE1002 (IE1)

1LE1002-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1002-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**5.1 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 78.2 | 76.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.6 | 2.9**
Moment of inertia J	**0.0014 kgm2**
Sound pressure / power LpfA | LWA	**71 | 78 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 1LE1002 (IE1)

1LE1002-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE1002-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**5.1 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 78.2 | 76.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.5 | 2.6 | 2.9**
Moment of inertia J	**0.0014 kgm2**
Sound pressure / power LpfA | LWA	**71 | 78 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)

1LE1001-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1001-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**14 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2900 rpm**
Rated torque	**4.95 Nm**
Rated current	**3.15 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 79.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.6**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1001, p. 3/33**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1001-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**14 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2900 rpm**
Rated torque	**4.95 Nm**
Rated current	**3.15 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 79.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.6**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1001, p. 3/33**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE1001-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**14 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2900 rpm**
Rated torque	**4.95 Nm**
Rated current	**3.15 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 79.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.6**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1001, p. 3/33**
Catalog 2	**Brochure 07/2014 (14050629), p. 19 (PDF 19)**

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Data sheet

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

1LE1001-0DA62-2AA4

1.5 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1001-0DA62-2AA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**11 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**5.1 Nm**
Rated current	**3.15 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 83.4 | 83.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.6 | 2.8**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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

Data sheet

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

1LE1001-0DA62-2FA4

1.5 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1001-0DA62-2FA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**11 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**5.1 Nm**
Rated current	**3.15 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 83.4 | 83.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.6 | 2.8**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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Data sheet

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

1LE1001-0DA62-2KA4

1.5 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE1001-0DA62-2KA4

GENERAL DATA

Series / efficiency class	**1LE1001 / IE2**
Housing	**Aluminum**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**11 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**5.1 Nm**
Rated current	**3.15 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 83.4 | 83.6 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.1 | 2.6 | 2.8**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1001, p. 2/30 (PDF 148)**

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

Data sheet

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

1LE1041-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1041-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3505 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.75 A**
Power factor (60 Hz)	**0.82**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 83.5 | 80.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 3.1 | 4.5**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1041-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE1041-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1041 / IE2**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**13 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3505 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.75 A**
Power factor (60 Hz)	**0.82**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 83.5 | 80.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.5 | 3.1 | 4.5**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1003-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1003-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**15 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**4.9 Nm**
Rated current	**3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.2 | 84.6 | 83.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.7 | 4.2**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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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)

1LE1003-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1003-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**15 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**4.9 Nm**
Rated current	**3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.2 | 84.6 | 83.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.7 | 4.2**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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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)

1LE1003-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE1003-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**15 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**4.9 Nm**
Rated current	**3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.2 | 84.6 | 83.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.7 | 4.2**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1003, p. 2/13 (PDF 131)**

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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)

1LE1043-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1043-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**15 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3525 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.6 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**85.5 | 84.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.8 | 3.1 | 4.9**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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

Data sheet

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

1LE1043-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1043-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**15 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3525 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.6 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**85.5 | 84.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.8 | 3.1 | 4.9**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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

Data sheet

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

1LE1043-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE1043-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
Housing	**Aluminum**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**15 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3525 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.6 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**85.5 | 84.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.8 | 3.1 | 4.9**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1043, p. 2/54 (PDF 172)**

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

Data sheet

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

1LE0102-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE0102-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**22 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**5 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 76.9 | 73.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.2**
Moment of inertia J	**0.0017 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)

1LE0102-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE0102-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**22 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**5 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 76.9 | 73.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.2**
Moment of inertia J	**0.0017 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)

1LE0102-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE0102-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**22 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**5 Nm**
Rated current	**3.3 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 76.9 | 73.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.2**
Moment of inertia J	**0.0017 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)

1LE0102-0EA04-1AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE0102-0EA04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**22 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**5 Nm**
Rated current	**2.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 76.9 | 73.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.2**
Moment of inertia J	**0.0017 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)

1LE0102-0EA04-1FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE0102-0EA04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**22 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**5 Nm**
Rated current	**2.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 76.9 | 73.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.2**
Moment of inertia J	**0.0017 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)

1LE0102-0EA04-1KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE0102-0EA04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**90 S**
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)	**22 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**5 Nm**
Rated current	**2.5 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**77.2 | 76.9 | 73.5 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.2**
Moment of inertia J	**0.0017 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 1LE0101 (IE2)

1LE0101-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE0101-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2890 rpm**
Rated torque	**5 Nm**
Rated current	**3.2 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 78 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.4 | 3.1**
Moment of inertia J	**0.0021 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)

1LE0101-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE0101-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2890 rpm**
Rated torque	**5 Nm**
Rated current	**3.2 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 78 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.4 | 3.1**
Moment of inertia J	**0.0021 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)

1LE0101-0EA02-2KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE0101-0EA02-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2890 rpm**
Rated torque	**5 Nm**
Rated current	**3.2 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 78 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.4 | 3.1**
Moment of inertia J	**0.0021 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)

1LE0101-0EA04-1AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE0101-0EA04-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2890 rpm**
Rated torque	**5 Nm**
Rated current	**2.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 78 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.4 | 3.1**
Moment of inertia J	**0.0021 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)

1LE0101-0EA04-1FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE0101-0EA04-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2890 rpm**
Rated torque	**5 Nm**
Rated current	**2.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 78 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.4 | 3.1**
Moment of inertia J	**0.0021 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)

1LE0101-0EA04-1KA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B14 | Article No. 1LE0101-0EA04-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
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)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2890 rpm**
Rated torque	**5 Nm**
Rated current	**2.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 78 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.5 | 2.4 | 3.1**
Moment of inertia J	**0.0021 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE1501-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1501-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2900 rpm**
Rated torque	**4.95 Nm**
Rated current	**3.15 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 79.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.6**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1501, p. 3/39**

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Data sheet

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

1LE1501-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1501-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**23 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2900 rpm**
Rated torque	**4.95 Nm**
Rated current	**3.15 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**81.3 | 81.7 | 79.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.7 | 3.6**
Moment of inertia J	**0.0017 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1501, p. 3/39**

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Data sheet

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

1LE1503-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1503-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**26 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**4.9 Nm**
Rated current	**3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.2 | 84.6 | 83.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.7 | 4.2**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/17 (PDF 135)**

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Data sheet

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

1LE1503-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1503-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**26 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.5 kW (about 2 HP)**
Rated power 60 Hz	**1.75 kW**
Rated speed (50 Hz)	**2910 rpm**
Rated torque	**4.9 Nm**
Rated current	**3 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**84.2 | 84.6 | 83.2 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8.1 | 2.7 | 4.2**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA	**65 | 77 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/17 (PDF 135)**

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Data sheet

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

1LE1543-0EA02-2AA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B3 | Article No. 1LE1543-0EA02-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**26 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3525 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.6 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**85.5 | 84.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.8 | 3.1 | 4.9**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/57 (PDF 175)**

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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)

1LE1543-0EA02-2FA4

1.5 kW / 3000 rpm

Frame 90 S | 2 poles | IM B5 | Article No. 1LE1543-0EA02-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**90 S**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**230 D / 400 Y V (50 Hz)**
Net weight (IM B3)	**26 kg**

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

Rated power (P50 rating)	**1.5 kW (about 2 HP)**
Rated power (P60 rating)	**1.75 kW**
Rated speed (60 Hz)	**3525 rpm**
Rated torque (60 Hz)	**4.1 Nm**
Rated current (460 V, 60 Hz)	**2.6 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**85.5 | 84.8 | 82.3 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**9.8 | 3.1 | 4.9**
Moment of inertia J	**0.0021 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/57 (PDF 175)**

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