Data sheets - Siemens SIMOTICS GP motors

45 kW / 1500 rpm - 18 article numbers in this file

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Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

Data sheet

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

1LE0102-2BB23-4AA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE0102-2BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**292 Nm**
Rated current	**82 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.9 | 3.3**
Moment of inertia J	**0.5 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE0102-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**292 Nm**
Rated current	**82 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.9 | 3.3**
Moment of inertia J	**0.5 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE0102-2BB24-1AA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE0102-2BB24-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**292 Nm**
Rated current	**62 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.9 | 3.3**
Moment of inertia J	**0.5 kgm2**

SOURCE OF DATA

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

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info@mehvarniro.com | mehvarniro.com
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Data sheet

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

1LE0102-2BB24-1FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE0102-2BB24-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**292 Nm**
Rated current	**62 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.4 | 92 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.8 | 2.9 | 3.3**
Moment of inertia J	**0.5 kgm2**

SOURCE OF DATA

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

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Data sheet

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

1LE1502-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE1502-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1502 / IE1**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**290 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**82 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**91.7 | 92.1 | 91.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.2 | 2.6 | 3.2**
Moment of inertia J	**0.45 kgm2**
Sound pressure / power LpfA | LWA	**69 | 82 dB(A)**

SOURCE OF DATA

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

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info@mehvarniro.com | mehvarniro.com
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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)

1LE0101-2BB23-4AB4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE0101-2BB23-4AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**80 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.1 | 93.5 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.7 | 3.2**
Moment of inertia J	**0.51 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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info@mehvarniro.com | mehvarniro.com
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Data sheet

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

1LE0101-2BB23-4FB4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE0101-2BB23-4FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**80 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.1 | 93.5 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.7 | 3.2**
Moment of inertia J	**0.51 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0101, p. 24 (PDF 24)**

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info@mehvarniro.com | mehvarniro.com
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Data sheet

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

1LE0101-2BB24-1AB4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE0101-2BB24-1AB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**61 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.1 | 93.5 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.7 | 3.2**
Moment of inertia J	**0.51 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)

1LE0101-2BB24-1FB4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE0101-2BB24-1FB4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**322 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**61 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.1 | 93.5 | 93.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.3 | 2.7 | 3.2**
Moment of inertia J	**0.51 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)

1LE1501-2BB23-4AA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE1501-2BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**305 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**80 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.1 | 93.8 | 93.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.1**
Moment of inertia J	**0.46 kgm2**
Sound pressure / power LpfA | LWA	**66 | 79 dB(A)**

SOURCE OF DATA

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

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info@mehvarniro.com | mehvarniro.com
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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)

1LE1501-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE1501-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**305 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1475 rpm**
Rated torque	**291 Nm**
Rated current	**80 A**
Power factor	**0.87**
Efficiency 4/4 | 3/4 | 2/4	**93.1 | 93.8 | 93.7 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.9 | 2.5 | 3.1**
Moment of inertia J	**0.46 kgm2**
Sound pressure / power LpfA | LWA	**66 | 79 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1503-2BB23-4AA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE1503-2BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**320 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1478 rpm**
Rated torque	**291 Nm**
Rated current	**80 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.9 | 95.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.4 | 2.6 | 2.7**
Moment of inertia J	**0.47 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)**

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

Data sheet

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

1LE1503-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE1503-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**320 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1478 rpm**
Rated torque	**291 Nm**
Rated current	**80 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**94.2 | 94.9 | 95.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6.4 | 2.6 | 2.7**
Moment of inertia J	**0.47 kgm2**
Sound pressure / power LpfA | LWA	**65 | 78 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1503, p. 2/18 (PDF 136)**

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

Data sheet

SIMOTICS GP low-voltage motor - series 1LE1541 (IE2)

1LE1541-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE1541-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1541 / IE2**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**305 kg**

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

Rated power (P50 rating)	**45 kW (about 60 HP)**
Rated power (P60 rating)	**52 kW**
Rated speed (60 Hz)	**1778 rpm**
Rated torque (60 Hz)	**242 Nm**
Rated current (460 V, 60 Hz)	**70 A**
Power factor (60 Hz)	**0.86**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**93.6 | 93.8 | 93.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.6 | 3 | 3.5**
Moment of inertia J	**0.46 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**69 | 83 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1541, p. 2/68 (PDF 186)**

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info@mehvarniro.com | mehvarniro.com
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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)

1LE1543-2BB23-4AA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE1543-2BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**320 kg**

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

Rated power (P50 rating)	**45 kW (about 60 HP)**
Rated power (P60 rating)	**52 kW**
Rated speed (60 Hz)	**1782 rpm**
Rated torque (60 Hz)	**241 Nm**
Rated current (460 V, 60 Hz)	**71 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**95 | 95.3 | 94.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.9 | 3**
Moment of inertia J	**0.47 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

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

Data sheet

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

1LE1543-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE1543-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**320 kg**

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

Rated power (P50 rating)	**45 kW (about 60 HP)**
Rated power (P60 rating)	**52 kW**
Rated speed (60 Hz)	**1782 rpm**
Rated torque (60 Hz)	**241 Nm**
Rated current (460 V, 60 Hz)	**71 A**
Power factor (60 Hz)	**0.84**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**95 | 95.3 | 94.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**7.2 | 2.9 | 3**
Moment of inertia J	**0.47 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**67 | 81 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1543, p. 2/58 (PDF 176)**

محور نیرو
Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com

Compiled from manufacturer catalog data for reference. NOT an official Siemens document - verify against the current Siemens data sheet before ordering.
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)

1LE1504-2BB23-4AA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B3 | Article No. 1LE1504-2BB23-4AA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**415 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**289 Nm**
Rated current	**81 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**95.4 | 95.7 | 95.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 3.4 | 3.3**
Moment of inertia J	**0.66 kgm2**
Sound pressure / power LpfA | LWA	**69 | 83 dB(A)**

SOURCE OF DATA

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

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
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 1LE1504 (IE4)

1LE1504-2BB23-4FA4

45 kW / 1500 rpm

Frame 225 M | 4 poles | IM B5 | Article No. 1LE1504-2BB23-4FA4

GENERAL DATA

Series / efficiency class	**1LE1504 / IE4**
Housing	**Cast iron**
Frame size	**225 M**
Poles	**4**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**400 D / 690 Y V (50 Hz)**
Net weight (IM B3)	**415 kg**

ELECTRICAL DATA

Rated power 50 Hz	**45 kW (about 60 HP)**
Rated power 60 Hz	**52 kW**
Rated speed (50 Hz)	**1485 rpm**
Rated torque	**289 Nm**
Rated current	**81 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**95.4 | 95.7 | 95.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**8 | 3.4 | 3.3**
Moment of inertia J	**0.66 kgm2**
Sound pressure / power LpfA | LWA	**69 | 83 dB(A)**

SOURCE OF DATA

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

Tel: 0935 186 4634
info@mehvarniro.com | mehvarniro.com
محور نیرو

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