Data sheets - Siemens SIMOTICS GP motors

1.1 kW / 3000 rpm - 33 article numbers in this file

Article No.	Page
1LA7083-2AA11	2
1LA7083-2AA12	3
1LE1002-0DA32-2AA4	4
1LE1002-0DA32-2FA4	5
1LE1002-0DA32-2KA4	6
1LE1001-0DA32-2AA4	7
1LE1001-0DA32-2FA4	8
1LE1001-0DA32-2KA4	9
1LE1003-0DA32-2AA4	10
1LE1003-0DA32-2FA4	11
1LE1003-0DA32-2KA4	12
1LE1043-0DA32-2AA4	13
1LE1043-0DA32-2FA4	14
1LE1043-0DA32-2KA4	15
1LE0102-0DA32-2AA4	16
1LE0102-0DA32-2FA4	17
1LE0102-0DA32-2KA4	18
1LE0102-0DA34-1AA4	19
1LE0102-0DA34-1FA4	20
1LE0102-0DA34-1KA4	21
1LE0101-0DA32-2AA4	22
1LE0101-0DA32-2FA4	23
1LE0101-0DA32-2KA4	24
1LE0101-0DA34-1AA4	25
1LE0101-0DA34-1FA4	26
1LE0101-0DA34-1KA4	27
1LE1501-0DA32-2AA4	28
1LE1501-0DA32-2FA4	29
1LE1503-0DA32-2AA4	30
1LE1503-0DA32-2FA4	31
1LE1543-0DA32-2AA4	32
1LE1543-0DA32-2FA4	33
1LA7083-2AA10	34

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

Data sheet

1LA7083-2AA11

SIMOTICS GP low-voltage motor - aluminum series 1LA7 (IE1)

1.1 kW / 3000 rpm

Frame size 080 M | Article No. 1LA7083-2AA11 | mounting IM B5

GENERAL DATA

Motor series	**1LA7 (aluminum)**
Article No.	**1LA7083-2AA11**
Frame size	**080 M**
Number of poles	**2**
Housing material	**Aluminum**
Degree of protection	**IP55**
Cooling	**Self-ventilated (IC 411)**
Insulation / utilization	**Thermal class 155 (F) / utilized to 130 (B)**
Duty type	**S1 (continuous duty)**
Rotor	**Squirrel-cage**
Efficiency class (IEC 60034-30)	**IE1**
Voltage / connection	**230 V Δ / 400 V Y (50 Hz), 460 V Y (60 Hz)**
Type of construction	**IM B5 (also V1, V3)**
Net weight (IM B3)	**10.7 kg**

ELECTRICAL DATA - 400 V, 50 HZ

Rated power, 50 Hz	**1.1 kW (1.5 HP)**
Rated speed, 50 Hz	**2845 rpm (synchronous 3000 rpm)**
Rated torque	**3.7 Nm**
Rated current at 400 V	**2.45 A**
No-load current	**1.47 A**
Power factor cos φ	**0.87**
Efficiency at 4/4 | 3/4 | 2/4 load	**75.0 | 75.0 | 72.0 %**
Locked-rotor current ratio (I_LR/I_N)	**6.1**
Locked-rotor torque ratio (T_LR/T_N)	**2.4**
Breakdown torque ratio (T_B/T_N)	**2.7**
Moment of inertia J	**0.001 kgm²**
Torque class	**16**

60 HZ OPERATION

Rated power at 60 Hz (460 V)	**1.27 kW**
Synchronous speed at 60 Hz	**3600 rpm**
Speed / efficiency / current at 60 Hz	**not listed in the catalog (DT Configurator)**

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

Source: Siemens Distribution brochure (07/2014), Chapter 2, p. 18. Dimensions: see the same catalog.
Compiled from the manufacturer's catalog data for reference. It is not an official Siemens document - verify against the current Siemens data sheet before ordering.
Data at rated power, 400 V / 50 Hz, ambient 40 °C, altitude up to 1000 m.

Data sheet

1LA7083-2AA12

SIMOTICS GP low-voltage motor - aluminum series 1LA7 (IE1)

1.1 kW / 3000 rpm

Frame size 080 M | Article No. 1LA7083-2AA12 | mounting IM B14

GENERAL DATA

Motor series	**1LA7 (aluminum)**
Article No.	**1LA7083-2AA12**
Frame size	**080 M**
Number of poles	**2**
Housing material	**Aluminum**
Degree of protection	**IP55**
Cooling	**Self-ventilated (IC 411)**
Insulation / utilization	**Thermal class 155 (F) / utilized to 130 (B)**
Duty type	**S1 (continuous duty)**
Rotor	**Squirrel-cage**
Efficiency class (IEC 60034-30)	**IE1**
Voltage / connection	**230 V Δ / 400 V Y (50 Hz), 460 V Y (60 Hz)**
Type of construction	**IM B14 (also V18, V19)**
Net weight (IM B3)	**10.7 kg**

ELECTRICAL DATA - 400 V, 50 HZ

Rated power, 50 Hz	**1.1 kW (1.5 HP)**
Rated speed, 50 Hz	**2845 rpm (synchronous 3000 rpm)**
Rated torque	**3.7 Nm**
Rated current at 400 V	**2.45 A**
No-load current	**1.47 A**
Power factor cos φ	**0.87**
Efficiency at 4/4 | 3/4 | 2/4 load	**75.0 | 75.0 | 72.0 %**
Locked-rotor current ratio (I_LR/I_N)	**6.1**
Locked-rotor torque ratio (T_LR/T_N)	**2.4**
Breakdown torque ratio (T_B/T_N)	**2.7**
Moment of inertia J	**0.001 kgm²**
Torque class	**16**

60 HZ OPERATION

Rated power at 60 Hz (460 V)	**1.27 kW**
Synchronous speed at 60 Hz	**3600 rpm**
Speed / efficiency / current at 60 Hz	**not listed in the catalog (DT Configurator)**

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

Source: Siemens Distribution brochure (07/2014), Chapter 2, p. 18. Dimensions: see the same catalog.
Compiled from the manufacturer's catalog data for reference. It is not an official Siemens document - verify against the current Siemens data sheet before ordering.
Data at rated power, 400 V / 50 Hz, ambient 40 °C, altitude up to 1000 m.

Data sheet

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

1LE1002-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1002-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2840 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.45 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 75.7 | 73.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.5 | 2.5**
Moment of inertia J	**0.001 kgm2**
Sound pressure / power LpfA | LWA	**64 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1002-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1002-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2840 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.45 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 75.7 | 73.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.5 | 2.5**
Moment of inertia J	**0.001 kgm2**
Sound pressure / power LpfA | LWA	**64 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1002-0DA32-2KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE1002-0DA32-2KA4

GENERAL DATA

Series / efficiency class	**1LE1002 / IE1**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2840 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.45 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 75.7 | 73.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**5.7 | 2.5 | 2.5**
Moment of inertia J	**0.001 kgm2**
Sound pressure / power LpfA | LWA	**64 | 71 dB(A)**

SOURCE OF DATA

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

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

Data sheet

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

1LE1001-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1001-0DA32-2AA4

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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 81.3 | 80.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.7 | 3.1**
Moment of inertia J	**0.0011 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1001-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1001-0DA32-2FA4

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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 81.3 | 80.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.7 | 3.1**
Moment of inertia J	**0.0011 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1001-0DA32-2KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE1001-0DA32-2KA4

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	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 81.3 | 80.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.7 | 3.1**
Moment of inertia J	**0.0011 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1003-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1003-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**3.6 Nm**
Rated current	**2.25 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**82.7 | 83.9 | 83.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 3 | 3.3**
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 1LE1003, p. 2/13 (PDF 131)**

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

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

Data sheet

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

1LE1003-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1003-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**3.6 Nm**
Rated current	**2.25 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**82.7 | 83.9 | 83.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 3 | 3.3**
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 1LE1003, p. 2/13 (PDF 131)**

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

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

Data sheet

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

1LE1003-0DA32-2KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE1003-0DA32-2KA4

GENERAL DATA

Series / efficiency class	**1LE1003 / IE3**
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)	**12 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**3.6 Nm**
Rated current	**2.25 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**82.7 | 83.9 | 83.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 3 | 3.3**
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 1LE1003, p. 2/13 (PDF 131)**

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

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

Data sheet

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

1LE1043-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1043-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
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)	**12 kg**

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

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**3500 rpm**
Rated torque (60 Hz)	**3 Nm**
Rated current (460 V, 60 Hz)	**1.98 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 84 | 82 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 3.3 | 4**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**64 | 75 dB(A)**

SOURCE OF DATA

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

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

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 1LE1043 (IE3)

1LE1043-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1043-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
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)	**12 kg**

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

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**3500 rpm**
Rated torque (60 Hz)	**3 Nm**
Rated current (460 V, 60 Hz)	**1.98 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 84 | 82 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 3.3 | 4**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**64 | 75 dB(A)**

SOURCE OF DATA

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

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

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 1LE1043 (IE3)

1LE1043-0DA32-2KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE1043-0DA32-2KA4

GENERAL DATA

Series / efficiency class	**1LE1043 / IE3**
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)	**12 kg**

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

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**3500 rpm**
Rated torque (60 Hz)	**3 Nm**
Rated current (460 V, 60 Hz)	**1.98 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 84 | 82 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 3.3 | 4**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**64 | 75 dB(A)**

SOURCE OF DATA

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

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 1LE0102 (IE1)

1LE0102-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE0102-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
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)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.6 | 3.1**
Moment of inertia J	**0.001 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE0102-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE0102-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
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)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.6 | 3.1**
Moment of inertia J	**0.001 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE0102-0DA32-2KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE0102-0DA32-2KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
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)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.5 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.6 | 3.1**
Moment of inertia J	**0.001 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE0102-0DA34-1AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE0102-0DA34-1AA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**3.7 Nm**
Rated current	**1.88 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.6 | 3.1**
Moment of inertia J	**0.001 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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

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

Data sheet

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

1LE0102-0DA34-1FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE0102-0DA34-1FA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**3.7 Nm**
Rated current	**1.88 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.6 | 3.1**
Moment of inertia J	**0.001 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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

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

Data sheet

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

1LE0102-0DA34-1KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE0102-0DA34-1KA4

GENERAL DATA

Series / efficiency class	**1LE0102 / IE1**
Housing	**Cast iron**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2830 rpm**
Rated torque	**3.7 Nm**
Rated current	**1.88 A**
Power factor	**0.86**
Efficiency 4/4 | 3/4 | 2/4	**75 | 77.3 | 74.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.6 | 3.1**
Moment of inertia J	**0.001 kgm2**

SOURCE OF DATA

Catalog 1	**Brochure 07/2014 (14050629), table 1LE0102, p. 26 (PDF 26)**

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

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

Data sheet

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

1LE0101-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE0101-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
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)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 80.6 | 77.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.8 | 3.2**
Moment of inertia J	**0.0012 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE0101-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE0101-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
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)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 80.6 | 77.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.8 | 3.2**
Moment of inertia J	**0.0012 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-0DA32-2KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE0101-0DA32-2KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
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)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 80.6 | 77.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.8 | 3.2**
Moment of inertia J	**0.0012 kgm2**

SOURCE OF DATA

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

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

Data sheet

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

1LE0101-0DA34-1AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE0101-0DA34-1AA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**1.81 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 80.6 | 77.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.8 | 3.2**
Moment of inertia J	**0.0012 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE0101-0DA34-1FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE0101-0DA34-1FA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**1.81 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 80.6 | 77.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.8 | 3.2**
Moment of inertia J	**0.0012 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE0101-0DA34-1KA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B14 | Article No. 1LE0101-0DA34-1KA4

GENERAL DATA

Series / efficiency class	**1LE0101 / IE2**
Housing	**Cast iron**
Frame size	**80 M**
Poles	**2**
Degree of protection	**IP55**
Duty type	**S1**
Insulation	**Thermal class 155 (F), utilized to 130 (B)**
Voltage	**525 V D**
Net weight (IM B3)	**17.5 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**1.81 A**
Power factor	**0.84**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 80.6 | 77.4 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.8 | 3.2**
Moment of inertia J	**0.0012 kgm2**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1501-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1501-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
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)	**18 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 81.3 | 80.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.7 | 3.1**
Moment of inertia J	**0.0011 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1501-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1501-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
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)	**18 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2835 rpm**
Rated torque	**3.7 Nm**
Rated current	**2.4 A**
Power factor	**0.83**
Efficiency 4/4 | 3/4 | 2/4	**79.6 | 81.3 | 80.9 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**6 | 2.7 | 3.1**
Moment of inertia J	**0.0011 kgm2**
Sound pressure / power LpfA | LWA	**60 | 71 dB(A)**

SOURCE OF DATA

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

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

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

Data sheet

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

1LE1503-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1503-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
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)	**21 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**3.6 Nm**
Rated current	**2.25 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**82.7 | 83.9 | 83.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 3 | 3.3**
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 1LE1503, p. 2/17 (PDF 135)**

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

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

Data sheet

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

1LE1503-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1503-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1503 / IE3**
Housing	**Cast iron**
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)	**21 kg**

ELECTRICAL DATA

Rated power 50 Hz	**1.1 kW (about 1.5 HP)**
Rated power 60 Hz	**1.27 kW**
Rated speed (50 Hz)	**2885 rpm**
Rated torque	**3.6 Nm**
Rated current	**2.25 A**
Power factor	**0.85**
Efficiency 4/4 | 3/4 | 2/4	**82.7 | 83.9 | 83.1 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**7.1 | 3 | 3.3**
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 1LE1503, p. 2/17 (PDF 135)**

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

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

Data sheet

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

1LE1543-0DA32-2AA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B3 | Article No. 1LE1543-0DA32-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
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)	**21 kg**

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

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**3500 rpm**
Rated torque (60 Hz)	**3 Nm**
Rated current (460 V, 60 Hz)	**1.98 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 84 | 82 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 3.3 | 4**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**64 | 75 dB(A)**

SOURCE OF DATA

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

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 1LE1543 (IE3)

1LE1543-0DA32-2FA4

1.1 kW / 3000 rpm

Frame 80 M | 2 poles | IM B5 | Article No. 1LE1543-0DA32-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
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)	**21 kg**

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

Rated power (P50 rating)	**1.1 kW (about 1.5 HP)**
Rated power (P60 rating)	**1.27 kW**
Rated speed (60 Hz)	**3500 rpm**
Rated torque (60 Hz)	**3 Nm**
Rated current (460 V, 60 Hz)	**1.98 A**
Power factor (60 Hz)	**0.83**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**84 | 84 | 82 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**8.4 | 3.3 | 4**
Moment of inertia J	**0.0013 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**64 | 75 dB(A)**

SOURCE OF DATA

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

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

1LA7083-2AA10

SIMOTICS GP low-voltage motor - aluminum series 1LA7 (IE1)

1.1 kW / 3000 rpm

Frame size 080 M | Article No. 1LA7083-2AA10 | mounting IM B3

GENERAL DATA

Motor series	**1LA7 (aluminum)**
Article No.	**1LA7083-2AA10**
Frame size	**080 M**
Number of poles	**2**
Housing material	**Aluminum**
Degree of protection	**IP55**
Cooling	**Self-ventilated (IC 411)**
Insulation / utilization	**Thermal class 155 (F) / utilized to 130 (B)**
Duty type	**S1 (continuous duty)**
Rotor	**Squirrel-cage**
Efficiency class (IEC 60034-30)	**IE1**
Voltage / connection	**230 V Δ / 400 V Y (50 Hz), 460 V Y (60 Hz)**
Type of construction	**IM B3 (also B6, B7, B8, V5, V6)**
Net weight (IM B3)	**10.7 kg**

ELECTRICAL DATA - 400 V, 50 HZ

Rated power, 50 Hz	**1.1 kW (1.5 HP)**
Rated speed, 50 Hz	**2845 rpm (synchronous 3000 rpm)**
Rated torque	**3.7 Nm**
Rated current at 400 V	**2.45 A**
No-load current	**1.47 A**
Power factor cos φ	**0.87**
Efficiency at 4/4 | 3/4 | 2/4 load	**75.0 | 75.0 | 72.0 %**
Locked-rotor current ratio (I_LR/I_N)	**6.1**
Locked-rotor torque ratio (T_LR/T_N)	**2.4**
Breakdown torque ratio (T_B/T_N)	**2.7**
Moment of inertia J	**0.001 kgm²**
Torque class	**16**

60 HZ OPERATION

Rated power at 60 Hz (460 V)	**1.27 kW**
Synchronous speed at 60 Hz	**3600 rpm**
Speed / efficiency / current at 60 Hz	**not listed in the catalog (DT Configurator)**

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

Source: Siemens Distribution brochure (07/2014), Chapter 2, p. 18. Dimensions: see the same catalog.
Compiled from the manufacturer's catalog data for reference. It is not an official Siemens document - verify against the current Siemens data sheet before ordering.
Data at rated power, 400 V / 50 Hz, ambient 40 °C, altitude up to 1000 m.