Data sheets - Siemens SIMOTICS GP motors

0.55 kW / 750 rpm - 2 article numbers in this file

Article No.	Page
1LE1501-0ED42-2AA4	2
1LE1501-0ED42-2FA4	3

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

Data sheet

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

1LE1501-0ED42-2AA4

0.55 kW / 750 rpm

Frame 90 L | 8 poles | IM B3 | Article No. 1LE1501-0ED42-2AA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**8**
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	**0.55 kW (about 0.74 HP)**
Rated power 60 Hz	**0.63 kW**
Rated speed (50 Hz)	**665 rpm**
Rated torque	**7.9 Nm**
Rated current	**1.74 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**61.7 | 63.4 | 59.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**2.7 | 1.5 | 1.7**
Moment of inertia J	**0.00305 kgm2**
Sound pressure / power LpfA | LWA	**53 | 65 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/35 (PDF 153)**

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)

1LE1501-0ED42-2FA4

0.55 kW / 750 rpm

Frame 90 L | 8 poles | IM B5 | Article No. 1LE1501-0ED42-2FA4

GENERAL DATA

Series / efficiency class	**1LE1501 / IE2**
Housing	**Cast iron**
Frame size	**90 L**
Poles	**8**
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	**0.55 kW (about 0.74 HP)**
Rated power 60 Hz	**0.63 kW**
Rated speed (50 Hz)	**665 rpm**
Rated torque	**7.9 Nm**
Rated current	**1.74 A**
Power factor	**0.74**
Efficiency 4/4 | 3/4 | 2/4	**61.7 | 63.4 | 59.8 %**
I_LR/I_N | T_LR/T_N | T_B/T_N	**2.7 | 1.5 | 1.7**
Moment of inertia J	**0.00305 kgm2**
Sound pressure / power LpfA | LWA	**53 | 65 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (05/2018), table 1LE1501, p. 2/35 (PDF 153)**

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).