Data sheets - Siemens SIMOTICS GP motors

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محور نیرو

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

Data sheet

1LE1502-3AD63-4AA4

SIMOTICS GP low-voltage motor - cast-iron series 1LE1502 Basic Line (IE1)

132 kW / 750 rpm

Frame size 315 L | Article No. 1LE1502-3AD63-4AA4 | mounting IM B3

GENERAL DATA

Motor series	**1LE1502 Basic Line (cast iron)**
Article No.	**1LE1502-3AD63-4AA4**
Frame size	**315 L**
Number of poles	**8**
Housing material	**Cast iron**
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	**400 V Δ / 690 V Y (50 Hz), 460 V Δ (60 Hz)**
Type of construction	**IM B3 (basic type, without flange)**
Net weight (IM B3)	**1080 kg**

ELECTRICAL DATA - 400 V, 50 HZ

Rated power, 50 Hz	**132 kW (175 HP)**
Rated speed, 50 Hz	**740 rpm (synchronous 750 rpm)**
Rated torque	**1703 Nm**
Rated current at 400 V	**255 A**
Power factor cos φ	**0.81**
Efficiency at 4/4 | 3/4 | 2/4 load	**91.5 | 91.9 | 91.6 %**
Locked-rotor current ratio (I_LR/I_N)	**7.2**
Locked-rotor torque ratio (T_LR/T_N)	**2.9**
Breakdown torque ratio (T_B/T_N)	**3.3**
Moment of inertia J	**4.5 kgm²**
Sound pressure level LpfA (50 Hz)	**75 dB(A)**
Sound power level LWA (50 Hz)	**89 dB(A)**

60 HZ OPERATION

Rated power at 60 Hz (460 V)	**158 kW**
Synchronous speed at 60 Hz	**900 rpm**
Speed / efficiency / current at 60 Hz	**not listed in the catalog (DT Configurator)**

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محور نیرو

Source: Siemens Catalog D 81.1 (05/2018), p. 2/51. 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.