Data sheets - Siemens SIMOTICS GP motors

3.7 kW / 3000 rpm - 2 article numbers in this file

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Data sheet

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

1LE1543-1BA22-2AA4

3.7 kW / 3000 rpm

Frame 112 M | 2 poles | IM B3 | Article No. 1LE1543-1BA22-2AA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**112 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)	**41 kg**

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

Rated power (P50 rating)	**3.7 kW (about 5 HP)**
Rated power (P60 rating)	**4.55 kW**
Rated speed (60 Hz)	**3555 rpm**
Rated torque (60 Hz)	**9.9 Nm**
Rated current (460 V, 60 Hz)	**6 A**
Power factor (60 Hz)	**0.87**
Efficiency 4/4 | 3/4 | 2/4 (60 Hz)	**88.5 | 88.4 | 86.65 %**
I_LR/I_N | T_LR/T_N | T_B/T_N (60 Hz)	**11.8 | 3.3 | 4.7**
Moment of inertia J	**0.0079 kgm2**
Sound pressure / power LpfA | LWA (60 Hz)	**80 | 88 dB(A)**

SOURCE OF DATA

Catalog 1	**Catalog D 81.1 (09/2023), table 1LE1543, p. 3/65**

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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)

1LE1543-1BA22-2FA4

3.7 kW / 3000 rpm

Frame 112 M | 2 poles | IM B5 | Article No. 1LE1543-1BA22-2FA4

GENERAL DATA

Series / efficiency class	**1LE1543 / IE3**
Housing	**Cast iron**
Frame size	**112 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)	**41 kg**

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

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