



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8226-1DF43-1AA1-Z
G14+X01

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data

		P _N [kW]	M _N [Nm]	I _N [A]	U _N [V]	f _N [Hz]	n _N [rpm]	M _{max} [Nm]	I _{max} [A]	n _{max} [rpm]	M ₀ [Nm]	I ₀ [A]	η	cos φ	I _μ [A]
Y	ALM 400V	200.0	1,091.0	350.0	390	59.0	1,750	1,850	580.0	4,500	1,091.0	350	0.954	0.890	114.0
	BLM/SLM 400V	175.0	1,114.0	350.0	340	50.7	1,500	1,850	580.0	4,500	1,114.0	350	0.950	0.890	117.0
	ALM/BLM/SLM 480V	220.0	1,051.0	335.0	450	67.3	2,000	1,850	580.0	4,500	1,051.0	335	0.957	0.880	117.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling NDE-> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP23
Design acc. to Code I	IM B35 with A550 flange (IM V35)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Jet black, matt RAL 9005
Type of the bearing	Standard
Shaft end	Feather key with full key balancing
Encoder system	Incremental encoder 22 bit with commutation position 11 bit, max. encoder speed = 12000 rpm

Physical constants

Thermal time constant	23 min
Moment of inertia	19,300 kgcm ²
Weight (approx.)	740 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	1XB7700-P02

Cooling data and sound pressure level

Airflow, min.	0.33 m³/s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	73 dB ¹⁾
Air discharge	axial
Pressure drop	600 Pa

External fan

Max. power consumption

1 AC 200 ... 277 V (±10%) 50/60 Hz 2.0 ... 2.3 A
±10%

Special design

G14 with air filter
X01 Paint finish: Jet black, matt RAL 9005

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 2000 rpm