



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8288-1HF10-2FW2-Z**
G02+G14+K08+K85

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]
Δ	ALM 400V	340.0	1,856.0	580.0	400	58.7	1,750	5,500	1,640.0	3,300	1,856.0	1,640	0.967	0.880	233.0
	BLM/SLM 400V	320.0	2,037.0	620.0	345	50.4	1,500	5,500	1,640.0	3,300	2,037.0	1,640	0.966	0.890	233.0
	ALM/BLM/SLM 480V	385.0	1,838.0	570.0	455	67.0	2,000	5,500	1,640.0	3,300	1,838.0	1,640	0.967	0.880	232.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	280
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	R/A
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM V6)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Increased cantilever forces
Shaft end	Feather key with half key balancing
Encoder system	Incremental encoder HTL 1024 S/R, max. encoder speed = 9000 rpm

Physical constants

Thermal time constant	53 min
Moment of inertia	63,000 kgcm ²
Weight (approx.)	1,650 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	left
Signal connection	DE
Terminal box designation	1XB7712-P03

Cooling data and sound pressure level

Airflow, min.	0.42 m ³ /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	74 dB ¹⁾
Air discharge	radial
Pressure drop	600 Pa

External fan

Max. power consumption

3 AC 380 ... 480 V (-5% / +10%)
 50/60 Hz ±10% 0.75 ... 0.90 A

Special design

- G02 Separately-driven fan NDE right, air intake NDE
- G14 with air filter
- K08 Encoder connector mounted on the opposite side
- K85 Terminal box rotated through +180 degrees

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 3300 rpm