

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8288-1JF13-2AV1-Z
G14



Figure similar

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	A
Shaft and flange accuracy	N
Degree of protection	IP55
Design acc. to Code I	IM B35 with A660 flange (IM V35)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft end	Feather key with half key balancing
Encoder system	Incremental encoder HTL 2048 S/R, max. encoder speed = 4600 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 left
Power connection	below
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
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Special design

G14 with air filter

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