



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8288-1JB10-2BU2-Z
G14+K08+Q21

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	130.0	2,481.0	245.0	395	17.0	500	6,550	650.0	3,300	2,481.0	245	0.941	0.820	127.0
	BLM/SLM 400V	103.0	2,459.0	245.0	325	13.6	400	6,550	650.0	3,300	2,459.0	245	0.931	0.800	136.0
	ALM/BLM/SLM 480V	155.0	2,474.0	245.0	460	20.3	600	6,550	650.0	3,300	2,474.0	245	0.948	0.840	121.0

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	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 right
Power connection	below
Signal connection	NDE
Terminal box designation	1XB7700-P02

Cooling data and sound pressure level

Airflow, min.	0.42 m³/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

- G14 with air filter
- K08 Encoder connector mounted on the opposite side
- Q21 Screw locking using Loctite

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