



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8226-1HB10-2EA2

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	49.0	936.0	110.0	330	17.2	500	2,300	280.0	4,500	936.0	110	0.908	0.860	48.0
	BLM/SLM 400V	39.2	936.0	112.0	264	13.9	400	2,300	280.0	4,500	936.0	112	0.887	0.870	46.0
	ALM/BLM/SLM 480V	59.0	939.0	110.0	395	20.5	600	2,300	280.0	4,500	939.0	110	0.921	0.850	49.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM B6, IM B7, IM B8, 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

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 3500 rpm

Physical constants

Thermal time constant	52 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	1XB7322-P05

Cooling data and sound pressure level

Airflow, min.	0.31 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	650 Pa

External fan

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