



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8226-1HD10-2AA2-Z**
A12+K23+K40+K45+L76+X12+Y84

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	l _μ [A]
Y	ALM 400V	105.0	872.0	192.0	390	38.8	1,150	2,300	485.0	4,500	872.0	192	0.949	0.850	86.0
	BLM/SLM 400V	92.0	879.0	194.0	340	33.8	1,000	2,300	485.0	4,500	879.0	194	0.944	0.850	86.0
	ALM/BLM/SLM 480V	120.0	849.0	188.0	460	45.5	1,350	2,300	485.0	4,500	849.0	188	0.954	0.840	88.0

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	Gentian blue RAL 5010
Type of the bearing	Standard
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	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 m ³ /s
Sound pressure level L _{pA} (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

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

Special design

- A12 Additional PTC thermistor chain for alarm and tripping
- K23 Special paint finish worldwide
- K40 Regreasing system
- K45 Anti-condensation heater 230 V
- L76 EC fan 400 V 3 AC 50/60 Hz
- X12 Paint finish: Gentian blue RAL 5010
- Y84 Customer specifications on rating plate:

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