

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8228-1HD00-2EA1-Z**
L00



Figure similar

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

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	$\cos \varphi$	I_{μ} [A]
Y	ALM 400V	129.0	1,071.0	235.0	390	38.8	1,150	2,750	570.0	4,500.0	1,071.0	235	0.953	0.86	97.0
	BLM/SLM 400V	113.0	1,079.0	235.0	340	33.9	1,000	2,750	570.0	4,500.0	1,079.0	235	0.948	0.87	97.0
	ALM/BLM/SLM 480V	147.0	1,040.0	225.0	460	45.5	1,350	2,750	570.0	4,500.0	1,040.0	225	0.957	0.86	99.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Forced ventilation DE -> NDE
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	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Increased cantilever forces
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder HTL 1024 S/R, max. encoder speed = 9000 rpm

Physical constants

Thermal time constant	55 min
Moment of inertia	2.33 kgm ²
Weight (approx.)	870 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	1XB7700-P02

Cooling data and sound pressure level

Airflow, min.	0.31 m ³ /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

Special design

L00 Terminal box replaced by the next larger terminal box

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