



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8228-1JB10-2AC1

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	$\cos \phi$	$I\mu$ [A]
Y	ALM 400V	60.0	1,146.0	132.0	340	17.2	500	2,750	315.0	4,500	1,146.0	132	0.914	0.850	59.0
	BLM/SLM 400V	48.0	1,146.0	132.0	272	13.8	400	2,750	315.0	4,500	1,146.0	132	0.896	0.860	58.0
	ALM/BLM/SLM 480V	72.0	1,146.0	130.0	410	20.5	600	2,750	315.0	4,500	1,146.0	130	0.927	0.840	62.0

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	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder HTL 2048 S/R, max. encoder speed = 4600 rpm

Physical constants

Thermal time constant	55 min
Moment of inertia	23,300 kgcm ²
Weight (approx.)	870 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	NDE
Signal connection	right
Terminal box designation	1XB7322-P05

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

External fan

Max. power consumption

1 AC 200 ... 277 V ($\pm 10\%$) 50/60 Hz $\pm 10\%$	2.0 ... 2.3 A
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¹⁾ at a rated frequency of 2 kHz and a speed range of up to 3500 rpm