

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8228-1EF40-0BC2



Figure similar

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	265.0	1,446.0	460.0	390	59.0	1,750	2,450	760.0	4,500	1,446.0	460	0.956	0.89	162.0
	BLM/SLM 400V	230.0	1,464.0	465.0	340	50.6	1,500	2,450	760.0	4,500	1,464.0	465	0.953	0.88	166.0
	ALM/BLM/SLM 480V	288.0	1,375.0	440.0	450	67.3	2,000	2,450	760.0	4,500	1,375.0	440	0.959	0.88	166.0

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling NDE-> DE
Vibration severity grade	R/A
Shaft and flange accuracy	R
Degree of protection	IP23
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	Standard
Shaft extension	Plain shaft
Encoder system	Absolut encoder EnDat 2048 S/R, max. encoder speed = 12000 rpm

Physical constants	
Thermal time constant	25 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	1XB7700-P02

Cooling data and sound pressure level	
Airflow, min.	0.33 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	600 Pa

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 2000 rpm