

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8186-1FB10-0FC1



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	26.5	506.0	65.0	335	17.2	500	1,230	156.0	5,000	506.0	65	0.875	0.80	36.0
	BLM/SLM 400V	21.2	506.0	65.0	268	13.9	400	1,230	156.0	5,000	506.0	65	0.850	0.83	34.0
	ALM/BLM/SLM 480V	32.0	509.0	66.0	400	20.6	600	1,230	156.0	5,000	509.0	66	0.892	0.79	37.0

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	R/A
Shaft and flange accuracy	R
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 extension	Plain shaft
Encoder system	Absolut encoder 22 bit Singleturn + 12 bit Multiturn, max. encoder speed = 12000 rpm

Physical constants	
Thermal time constant	25 min
Moment of inertia	6,520 kgcm ²
Weight (approx.)	422 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.	0.17 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	550 Pa

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 5000 rpm