



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8137-1.B0.-...1

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	$\cos \varphi$	I_{μ} [A]
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Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	
Shaft end	
Encoder system	

Physical constants

Thermal time constant	30 min
Moment of inertia	1,090 kgcm ²
Weight (approx.)	141 kg

Connection

Type of electrical connection	
Position of the connection	
Power connection	
Signal connection	

Cooling data and sound pressure level

Airflow, min.	m ³ /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	dB ¹⁾
Air discharge	
Pressure drop	Pa

External fan

Max. power consumption

3 AC 400 V / 50 Hz (±10%)	0.10 A
3 AC 400 V / 60 Hz (±10%)	0.12 A
3 AC 480 V / 60 Hz (±10%)	0.12 A

1)