

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8184-1HD40-2EA1-Z**
G14+K40



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 φ	I _μ [A]
Y	ALM 400V	65.0	540.0	120.0	390	39.4	1,150	925	205.0	5,000.0	540.0	120	0.911	0.88	39.0
	BLM/SLM 400V	57.0	544.0	120.0	340	34.4	1,000	925	205.0	5,000.0	544.0	120	0.899	0.89	39.0
	ALM/BLM/SLM 480V	74.0	523.0	118.0	450	46.0	1,350	925	205.0	5,000.0	523.0	118	0.922	0.88	39.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Open circuit cooling NDE-> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP23
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	26 min
Moment of inertia	0.489 kgm ²
Weight (approx.)	350 kg

Connection

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

Cooling data and sound pressure level

Airflow, min.	0.21 m ³ /s
Sound pressure level L _{pA} (1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	73 dB ¹⁾
Air discharge	axial
Pressure drop	450 Pa

Special design

G14	with air filter
K40	Regreasing system

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 3000 rpm