



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8224-1DC30-1BC1-Z
K08**

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	90.0	1,074.0	184.0	350	27.4	800	1,760	300.0	4,500	1,074.0	184	0.914	0.880	63.0
	BLM/SLM 400V	80.0	1,091.0	188.0	310	24.1	700	1,760	300.0	4,500	1,091.0	188	0.904	0.880	63.0
	ALM/BLM/SLM 480V	105.0	1,003.0	174.0	425	34.1	1,000	1,760	300.0	4,500	1,003.0	174	0.929	0.880	61.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling DE-> NDE
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 end	Feather key with full key balancing
Encoder system	Incremental encoder 22 bit with commutation position 11 bit, max. encoder speed = 12000 rpm

Physical constants

Thermal time constant	21 min
Moment of inertia	14,800 kgcm ²
Weight (approx.)	610 kg

Connection

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

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

External fan

Max. power consumption

1 AC 200 ... 277 V (±10%) 50/60 Hz ±10% 2.0 ... 2.3 A

Special design

K08 Encoder connector mounted on the opposite side

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