

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8224-1AF30-2AC1-Z**
A12+K40+L75



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	$\cos \varphi$	I_{μ} [A]
Y	ALM 400V	165.0	900.0	285.0	395	59.2	1,750	1,550	490.0	4,500.0	900.0	285	0.946	0.89	84.0
	BLM/SLM 400V	142.0	904.0	290.0	340	50.8	1,500	1,550	490.0	4,500.0	904.0	290	0.942	0.89	84.0
	ALM/BLM/SLM 480V	178.0	850.0	265.0	460	67.4	2,000	1,550	490.0	4,500.0	850.0	265	0.952	0.88	88.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling DE-> NDE
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	Standard
Shaft extension	Feather key with half key balancing
Encoder system	Without encoder

Physical constants

Thermal time constant	21 min
Moment of inertia	1.48 kgm ²
Weight (approx.)	610 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

Special design

A12	Additional PTC thermistor chain for alarm and tripping
K40	Regreasing system
L75	Special fan 3 AC 400 V in degree of protection IP65

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