



Figure similar

## Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8226-1AF10-2BA2-Z**  
**A12+G14+K40+L00+P01+X01**

Client order no. :  
 Order no. :  
 Offer no. :  
 Remarks :

Item no. :  
 Consignment no. :  
 Project :

### Engineering data

		P <sub>N</sub> [kW]	M <sub>N</sub> [Nm]	I <sub>N</sub> [A]	U <sub>N</sub> [V]	f <sub>N</sub> [Hz]	n <sub>N</sub> [rpm]	M <sub>max</sub> [Nm]	I <sub>max</sub> [A]	n <sub>max</sub> [rpm]	M <sub>0</sub> [Nm]	I <sub>0</sub> [A]	η	cos φ	I <sub>μ</sub> [A]
Y	ALM 400V	135.0	737.0	250.0	395	58.8	1,750	1,850	570.0	4,500	737.0	250	0.960	0.830	119.0
	BLM/SLM 400V	130.0	828.0	270.0	340	50.5	1,500	1,850	570.0	4,500	828.0	270	0.957	0.850	119.0
	ALM/BLM/SLM 480V	135.0	731.0	245.0	450	67.1	2,000	1,850	570.0	4,500	731.0	245	0.961	0.830	119.0

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
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	Jet black, matt RAL 9005
Type of the bearing	Standard
Shaft end	Feather key with half key balancing
Encoder system	Without encoder

### Physical constants

Thermal time constant	52 min
Moment of inertia	19,300 kgcm <sup>2</sup>
Weight (approx.)	740 kg

### Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	1XB7700-P02

### Cooling data and sound pressure level

Airflow, min.	0.31 m <sup>3</sup> /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	73 dB <sup>1)</sup>
Air discharge	axial
Pressure drop	650 Pa

### External fan

#### Max. power consumption

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

A12	Additional PTC thermistor chain for alarm and tripping
G14	with air filter
K40	Regreasing system
L00	Terminal box replaced by the next larger terminal box
P01	Cable entry plate 3 x M63 x 1.5
X01	Paint finish: Jet black, matt RAL 9005

<sup>1)</sup> at a rated frequency of 2 kHz and a speed range of up to 3500 rpm