

## Data sheet for SIMOTICS M-1PH8



Figure similar

Article No. : **1PH8228-1AF30-2AC2-Z**  
A12+K40+L75+P00

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

### 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	265.0	1,446.0	460.0	390	59.0	1,750	2,450	760.0	4,500.0	1,446.0	460	0.956	0.89	162.0
	BLM/SLM 400V	230.0	1,464.0	465.0	340	50.6	1,500	2,450	760.0	4,500.0	1,464.0	465	0.953	0.88	166.0
	ALM/BLM/SLM 480V	288.0	1,375.0	440.0	450	67.3	2,000	2,450	760.0	4,500.0	1,375.0	440	0.959	0.88	166.0

### 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	Pt1000 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	25 min
Moment of inertia	2.33 kgm <sup>2</sup>
Weight (approx.)	870 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 <sup>3</sup> /s
Sound pressure level L <sub>pA</sub> (1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	73 dB <sup>1)</sup>
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
P00	Undrilled cable entry plate

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