

## Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8226-1HF10-2BA1-Z**  
**G14+K09+K84**



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]	$\eta$	$\cos \varphi$	$I_{\mu}$ [A]
Y	ALM 400V	135.0	737.0	250.0	395	58.8	1,750	1,850	570.0	4,500.0	737.0	250	0.960	0.83	119.0
	BLM/SLM 400V	130.0	828.0	270.0	340	50.5	1,500	1,850	570.0	4,500.0	828.0	270	0.957	0.85	119.0
	ALM/BLM/SLM 480V	135.0	731.0	245.0	450	67.1	2,000	1,850	570.0	4,500.0	731.0	245	0.961	0.83	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	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	Incremental encoder HTL 1024 S/R, max. encoder speed = 9000 rpm

### Physical constants

Thermal time constant	52 min
Moment of inertia	1.93 kgm <sup>2</sup>
Weight (approx.)	740 kg

### Connection

Type of electrical connection	Terminal box
Position of the connection	NDE right
Power connection	below
Signal connection	DE
Terminal box designation	1XB7422-P06

### 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

### Special design

G14	with air filter
K09	Terminal box NDE right
K84	Terminal box rotated through -90 degrees

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