

## Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8184-1AD00-0EB1-Z**  
K40+L76



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	44.0	365.0	86.0	390	39.0	1,150	925	205.0	5,000.0	365.0	86	0.928	0.82	42.0
	BLM/SLM 400V	39.0	372.0	87.0	340	34.0	1,000	925	205.0	5,000.0	372.0	87	0.920	0.83	42.0
	ALM/BLM/SLM 480V	50.0	354.0	84.0	450	45.7	1,350	925	205.0	5,000.0	354.0	84	0.936	0.82	41.0

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	A
Shaft and flange accuracy	N
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	Increased cantilever forces
Shaft extension	Plain shaft
Encoder system	Without encoder

### Physical constants

Thermal time constant	22 min
Moment of inertia	0.489 kgm <sup>2</sup>
Weight (approx.)	350 kg

### Connection

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

### Cooling data and sound pressure level

Airflow, min.	0.17 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	550 Pa

### Special design

K40	Regreasing system
L76	EC fan 400 V 3 AC 50/60 Hz

<sup>1)</sup> at a rated frequency of 2 kHz and a speed range of up to 5000 rpm