



Figure similar

## Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8133-1SG02-2LA1

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

Item no. :  
Consignment no. :  
Project :

### 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]	$\eta$	$\cos \phi$	$I\mu$ [A]
Y	ALM 400V	22.5	93.0	44.0	400	78.1	2,300	250	117.0	10,000	126.0	54	0.933	0.84	18.1
	BLM/SLM 400V	20.0	96.0	45.0	350	68.1	2,000	250	117.0	10,000	126.0	54	0.919	0.85	18.1
	ALM/BLM/SLM 480V	24.0	86.0	41.0	456	89.6	2,650	250	117.0	10,000	126.0	54	0.949	0.83	18.1

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	SPECIAL/B
Shaft and flange accuracy	SPECIAL
Degree of protection	IP55
Design acc. to Code I	IM B5 (IM V1, IM V3)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Performance
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder 19 bit without commutation position (encoder IN19DQ)

### Physical constants

Thermal time constant	30 min
Moment of inertia	760 kgcm <sup>2</sup>
Weight (approx.)	106 kg

### Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	gk833

### Cooling data and sound pressure level

Airflow, min.	0.09 m <sup>3</sup> /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	70 dB <sup>1)</sup>
Air discharge	axial
Pressure drop	140 Pa

<sup>1)</sup> at a rated frequency of 4 kHz and a speed range of up to 5000 rpm