

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8133-1FF10-0GA1

Figure similar

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]	η	cos φ	I _μ [A]
Y	ALM 400V	17.5	96.0	34.0	392	59.7	1,750	240	85.0	8,000	126.0	42	0.913	0.850	13.6
	BLM/SLM 400V	15.0	96.0	34.0	342	51.3	1,500	240	85.0	8,000	126.0	42	0.899	0.850	14.2
	ALM/BLM/SLM 480V	20.0	95.0	34.0	445	68.2	2,000	240	85.0	8,000	126.0	42	0.933	0.850	13.5

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	132
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 V5, IM V6, IM B6, IM B7, IM B8)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft end	Plain shaft
Encoder system	Absolut encoder 22 bit Singleturn + 12 bit Multiturn, max. encoder speed = 12000 rpm

Physical constants	
Thermal time constant	30 min
Moment of inertia	760 kgcm²
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 m³/s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	70 dB ¹⁾
Air discharge	axial
Pressure drop	140 Pa

External fan	
Max. power consumption	
3 AC 400 V / 50 Hz (±10%)	0.13 A
3 AC 400 V / 60 Hz (±10%)	0.16 A
3 AC 480 V / 60 Hz (±10%)	0.17 A

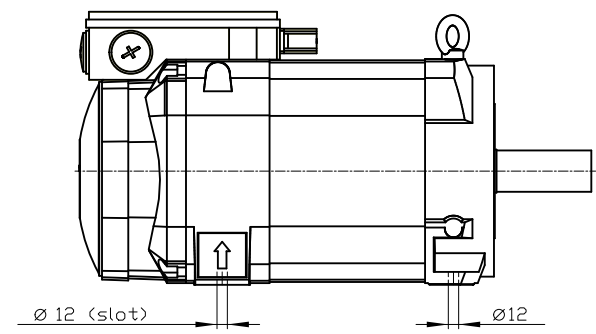
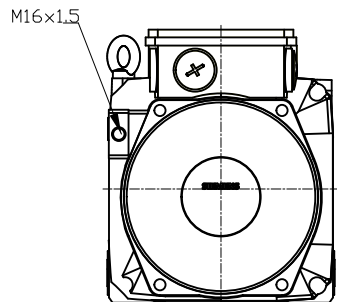
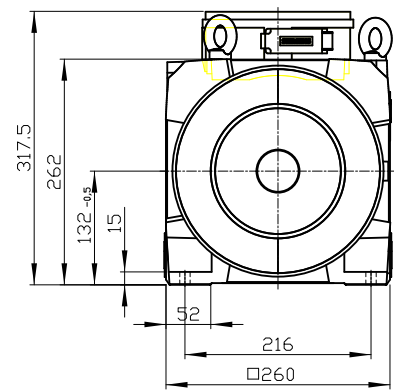
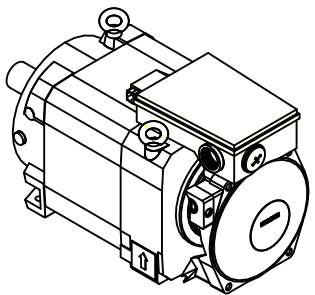
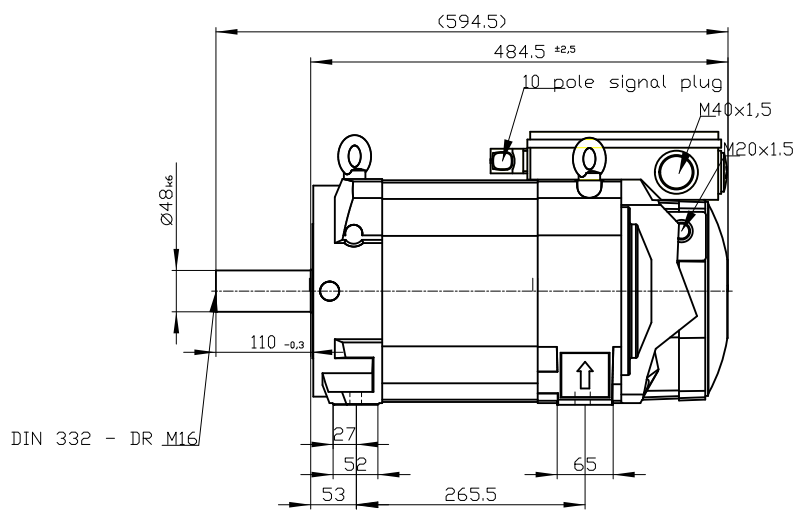
¹⁾ at a rated frequency of 4 kHz and a speed range of up to 5000 rpm

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Cod-drawing do not make any manual changes

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Type of construction: IM B3 (IM V5, IM V6, IM B6, IM B7, IM B8) of protection: IP55		
	— —	
Terminal box	gk833	1PH8133-1FF10-0GA1
Weight	106 kg	
Unit	mm (in)	
Date	4/27/23	
SIEMENS AG		DT
not toleranced dimensions: ± 1		