



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8133-1FF10-2GA1

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	Feather key with half key balancing
Encoder system	Absolut encoder 22 bit Singleturn + 12 bit Multiturn, max. encoder speed = 12000 rpm

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

Physical constants

Thermal time constant	30 min
Moment of inertia	760 kgcm ²
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

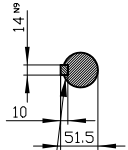
Confie a titre de secret d'entreprise. Tous droits réservés.
Confiado como secreto industrial. Nos reservamos todos los derechos
Comunicado como segredo empresarial. Reservados todos os direitos

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte vorbehalten, insbesondere fuer den Fall der Patenterteilung oder GK-Entragung.

The reproduction or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights, including rights created by patent grant or registration of a utility model or design, are reserved.

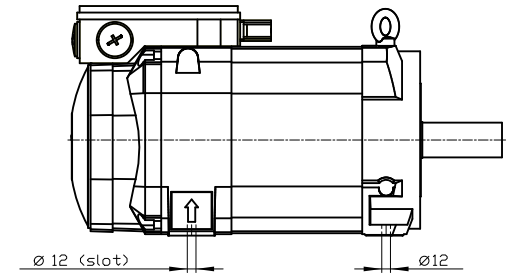
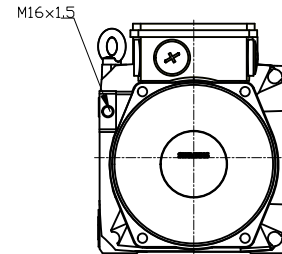
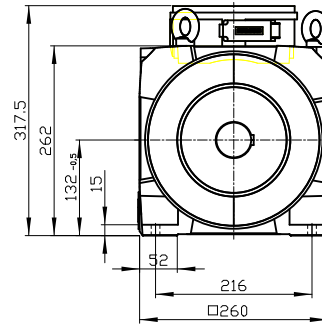
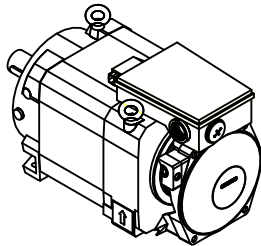
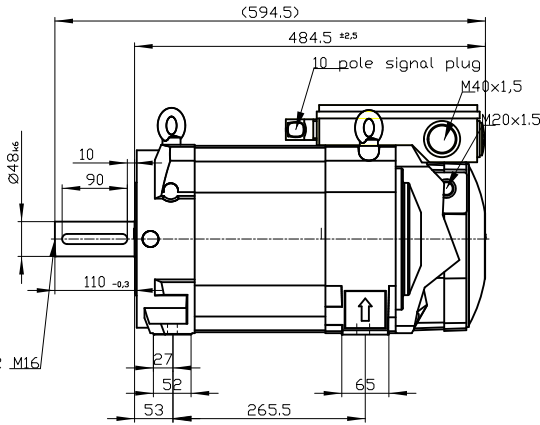
Copyright© Siemens AG 2005
Cada-drawing do not make any
manual changes

DE - shaft extension
version with featherkey



deviation acc. to
DIN 6885 sheet 1

DIN 332 - DR M16



Type of construction: IM B3 (IM V5, IM V6, IM B6, IM B7, IM B8) Protection: IP55

		—	
		—	
Terminal box	gk833	1PH8133-1FF10-2GA1	
Weight	106 kg		
Unit	mm [in]		
Date	4/28/23		
SIEMENS AG		—	
not toleranced dimensions: ± 1			
		DT	