



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8288-1FC10-1BU1

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]
Δ	ALM 400V	190.0	2,268.0	365.0	370	27.0	800	6,450	970.0	3,300	2,268.0	365	0.957	0.850	171.0
	BLM/SLM 400V	166.0	2,265.0	365.0	325	23.6	700	6,450	970.0	3,300	2,265.0	365	0.953	0.850	171.0
	ALM/BLM/SLM 480V	230.0	2,197.0	355.0	460	33.6	1,000	6,450	970.0	3,300	2,197.0	355	0.962	0.840	172.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	280
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 V6)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft end	Feather key with full key balancing
Encoder system	Absolut encoder 22 bit Singleturn + 12 bit Multiturn, max. encoder speed = 12000 rpm

External fan

Max. power consumption

3 AC 380 ... 480 V (-5% / +10%)
50/60 Hz ±10%

0.75 ... 0.90 A

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 3300 rpm

Physical constants

Thermal time constant	53 min
Moment of inertia	63,000 kgcm ²
Weight (approx.)	1,650 kg

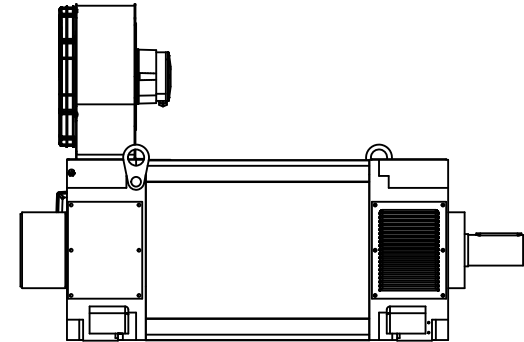
Connection

Type of electrical connection	Terminal box
Position of the connection	NDE right
Power connection	below
Signal connection	DE
Terminal box designation	1XB7700-P02

Cooling data and sound pressure level

Airflow, min.	0.42 m³/s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	74 dB ¹⁾
Air discharge	radial
Pressure drop	600 Pa

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Type of construction: IM 35 (IM V6)		/ Type of protection: IP55	
			
Terminal box	1XB7700-P02	1PH8288-1FC10-1BU1	
Weight	1650 kg		
Unit	mm [in]		
Date	5/3/23		
SIEMENS AG			
not toleranced dimensions: ± 1		DT	