

Data sheet for SIMOTICS M-1PH8

Article No. : **1PH8288-1HC10-2AV1-Z
G02**



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]	η	$\cos \varphi$	I_{μ} [A]
Δ	ALM 400V	190.0	2,268.0	365.0	370	27.0	800	6,450	970.0	3,300.0	2,268.0	365	0.957	0.85	171.0
	BLM/SLM 400V	166.0	2,265.0	365.0	325	23.6	700	6,450	970.0	3,300.0	2,265.0	365	0.953	0.85	171.0
	ALM/BLM/SLM 480V	230.0	2,197.0	355.0	460	33.6	1,000	6,450	970.0	3,300.0	2,197.0	355	0.962	0.84	172.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	280
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM V6)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder HTL 1024 S/R, max. encoder speed = 9000 rpm

Physical constants

Thermal time constant	53 min
Moment of inertia	6.3 kgm ²
Weight (approx.)	1,650 kg

Connection

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

Cooling data and sound pressure level

Airflow, min.	0.42 m ³ /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

Special design

G02 Separately-driven fan NDE right, air intake NDE

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