

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8288-1AD40-2AU1-Z
G14+X22



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]
Δ	ALM 400V	435.0	3,607.0	760.0	385	38.8	1,150	6,350	1,300.0	3,300.0	3,607.0	760	0.958	0.90	244.0
	BLM/SLM 400V	379.0	3,619.0	760.0	335	33.8	1,000	6,350	1,300.0	3,300.0	3,619.0	760	0.955	0.90	242.0
	ALM/BLM/SLM 480V	505.0	3,573.0	750.0	450	45.5	1,350	6,350	1,300.0	3,300.0	3,573.0	750	0.962	0.90	243.0

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	280
Cooling	Open circuit cooling NDE-> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP23
Design acc. to Code I	IM B3 (IM V6)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Gray white RAL 9002
Type of the bearing	Standard
Shaft extension	Feather key with half key balancing
Encoder system	Without encoder

Physical constants	
Thermal time constant	22 min
Moment of inertia	6.3 kgm²
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	1XB7712-P03

Cooling data and sound pressure level	
Airflow, min.	0.52 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

Special design	
G14	with air filter
X22	Paint finish: Gray white RAL 9002

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 2800 rpm