



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8288-1HF13-2AW2-Z
G10+G14+K83+Q00

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	340.0	1,856.0	580.0	400	58.7	1,750	5,500	1,640.0	3,300	1,856.0	1,640	0.967	0.880	233.0
	BLM/SLM 400V	320.0	2,037.0	620.0	345	50.4	1,500	5,500	1,640.0	3,300	2,037.0	1,640	0.966	0.890	233.0
	ALM/BLM/SLM 480V	385.0	1,838.0	570.0	455	67.0	2,000	5,500	1,640.0	3,300	1,838.0	1,640	0.967	0.880	232.0

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 B35 with A660 flange (IM V35)
Temperature monitoring	Pt1000 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	63,000 kgcm ²
Weight (approx.)	1,650 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	DE
Signal connection	left
Terminal box designation	1XB7712-P03

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

Special design

G10	Separately-driven fan DE top, air intake NDE
G14	with air filter
K83	Terminal box rotated through +90 degrees
Q00	Increase number of grounding terminals in the terminal box

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