



Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8226-3HF10-2AA1-Z
U63

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	135.0	737.0	250.0	395	58.8	1,750	1,850	570.0	3,100	737.0	250	0.960	0.83	119.0
	BLM/SLM 400V	130.0	828.0	270.0	340	50.5	1,500	1,850	570.0	3,100	828.0	270	0.957	0.85	119.0
	ALM/BLM/SLM 480V	135.0	731.0	245.0	450	67.1	2,000	1,850	570.0	3,100	731.0	245	0.961	0.83	119.0

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	225
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 B6, IM B7, IM B8)
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	52 min
Moment of inertia with brake	19,810 kgcm ²
Weight with brake (approx.)	828 kg

Connection	
Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	1XB7422-P06

Cooling data and sound pressure level	
Airflow, min.	0.31 m ³ /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	73 dB ¹⁾
Air discharge	axial
Pressure drop	650 Pa

Holding brake	
Holding torque	1,600 Nm
Moment of inertia	510 kgcm ²
Power supply voltage	AC 230 V ± 10%
Coil current	2.7 A
Permissible brake work	210 kJ
Speed (Emergency Stop)	2,800 rpm
Number of emergency stops	1,200
Number of emergency stops per hour	3
Opening time	300 ms
Closing time	100 ms

Special design	
U63	Holding brake 230V with microswitch and manual relieve lever

¹⁾at a rated frequency of 2 kHz and a speed range of up to 3500 rpm