

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8226-1HL43-2BA2



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]
Y	ALM 400V	270.0	889.0	470.0	390	97.3	2,900	1,450	750.0	4,500	889.0	470	0.958	0.890	150.0
	BLM/SLM 400V	235.0	898.0	475.0	335	84.0	2,500	1,450	750.0	4,500	898.0	475	0.957	0.890	149.0
	ALM/BLM/SLM 480V	270.0	758.0	405.0	460	113.9	3,400	1,450	750.0	4,500	758.0	405	0.957	0.870	153.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling NDE-> DE
Vibration severity grade	R/A
Shaft and flange accuracy	R
Degree of protection	IP23
Design acc. to Code I	IM B35 with A550 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	23 min
Moment of inertia	19,300 kgcm ²
Weight (approx.)	740 kg

Connection

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

Cooling data and sound pressure level

Airflow, min.	0.33 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	600 Pa

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 2000 rpm