SIEMENS

Data sheet for SIMOTICS M-1PH8



Figure similar

Article No. : 1PH8226-1MC30-2BA2

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	Iμ [A]
Y	**ALM 400V**	**118.0**	**1,409.0**	**235.0**	**350**	**27.5**	**800**	**2,300**	**395.0**	**4,500**	**1,409.0**	**235**	**0.918**	**0.900**	**71.0**
	BLM/SLM 400V	106.0	1,446.0	240.0	310	24.2	700	2,300	395.0	4,500	1,446.0	240	0.907	0.900	71.0
	ALM 480V	146.0	1,268.0	205.0	500	37.3	1,100	2,300	395.0	4,500	1,446.0	205	0.942	0.870	81.0
	BLM/SLM 480V	146.0	1,394.0	230.0	440	34.1	1,000	2,300	395.0	4,500	1,394.0	230	0.932	0.890	74.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling DE-> NDE
Vibration severity grade	R/A
Shaft and flange accuracy	R
Degree of protection	IP23
Design acc. to Code I	IM B3 (IM B6, IM B7, IM B8, IM V6)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft end	Feather key with half key balancing
Encoder system	Incremental encoder sin/cos 1Vpp 2048 S/R with C- and D-Spur, max. encoder speed = 12000 rpm

Physical constants

Thermal time constant	23 min
Moment of inertia	19,300 kgcm²
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	1XB7422-P06

Cooling data and sound pressure level

Airflow, min.	0.33 m³/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

External fan

Max. power consumption

1 AC 200 ... 277 V (±10%) 50/60 Hz ±10%	2.0 ... 2.3 A

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