SIEMENS

Data sheet for SIMOTICS M-1PH8

Figure similar

Article No. : 1PH8226-1MF13-2FA1-Z
L00+L75+Q14

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]
	ALM 400V	**135.0**	**737.0**	**250.0**	**395**	**58.8**	**1,750**	**1,850**	**570.0**	**4,500**	**737.0**	**250**	**0.960**	**0.83**	**119.0**
Y	BLM/SLM 400V	130.0	828.0	270.0	340	50.5	1,500	1,850	570.0	4,500	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	4,500	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	R/A
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B35 with A550 flange (IM V35)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Increased cantilever forces
Shaft extension	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	52 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	1XB7700-P02

Cooling data and sound pressure level

Airflow, min.	0.31 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	650 Pa

Special design

L00	Terminal box replaced by the next larger terminal box
L75	Special fan 3 AC 400 V in degree of protection IP65
Q14	Filter for special fan

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