SIEMENS

Data sheet for SIMOTICS M-1PH8



Figure similar

Article No. : 1PH8133-1MB13-0BC2

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**	**6.5**	**124.0**	**15.5**	**363**	**18.5**	**500**	**155**	**19.0**	**6,000**	**124.0**	**16**	**0.780**	**0.890**	**5.4**
	BLM/SLM 400V	5.2	124.0	15.5	309	15.0	400	155	19.0	6,000	124.0	16	0.750	0.880	6.2
	ALM 480V	9.1	124.0	15.5	480	25.2	700	155	19.0	6,000	124.0	16	0.830	0.890	5.3
	BLM/SLM 480V	7.8	124.0	15.5	421	21.8	600	155	19.0	6,000	124.0	16	0.810	0.890	5.3

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
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 (IM V15, IM V35)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard with fixed bearing
Shaft end	Plain shaft
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	30 min
Moment of inertia	760 kgcm²
Weight (approx.)	106 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	NDE
Signal connection	left
Terminal box designation	gk833

Cooling data and sound pressure level

Airflow, min.	0.09 m³/s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	70 dB [1]
Air discharge	axial
Pressure drop	140 Pa

External fan

Max. power consumption

3 AC 400 V / 50 Hz (±10%)	0.11 A
3 AC 400 V / 60 Hz (±10%)	0.13 A
3 AC 480 V / 60 Hz (±10%)	0.13 A

[1] at a rated frequency of 4 kHz and a speed range of up to 5000 rpm