SIEMENS

Data sheet for SIMOTICS M-1PH8

Figure similar

Article No. : 1PH8135-1CS02-3LB1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

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**	**24.5**	**117.0**	**51.0**	**372**	**68.0**	**2,000**	**300**	**132.0**	**10,000.0**	**157.0**	**62**	**0.917**	**0.85**	**20.9**
	BLM/SLM 400V	18.5	118.0	51.0	283	51.3	1,500	300	132.0	10,000.0	157.0	62	0.901	0.85	21.1
	ALM/BLM/SLM 480V	30.5	117.0	50.0	460	84.6	2,500	300	132.0	10,000.0	157.0	62	0.949	0.85	20.8
Δ	**ALM 400V**	**24.5**	**47.0**	**52.0**	**425**	**167.5**	**5,000**	**131**	**145.0**	**10,000.0**	**94.0**	**78**	**0.939**	**0.81**	**22.8**
	BLM/SLM 400V	18.5	44.0	51.0	364	134.0	4,000	131	145.0	10,000.0	94.0	78	0.912	0.76	23.3
	ALM/BLM/SLM 480V	30.5	49.0	50.0	460	201.0	6,000	131	145.0	10,000.0	94.0	78	0.941	0.86	20.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	SPECIAL/B
Shaft and flange accuracy	SPECIAL
Degree of protection	IP55
Design acc. to Code I	IM B5 (IM V1, IM V3)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Performance
Shaft extension	Smooth hollow shaft
Encoder system	Incremental encoder sin/cos 1Vpp 256 S/R without ND-end at terminal box (encoder IN256S/R)

Physical constants

Thermal time constant	30 min
Moment of inertia	0.094 kgm²
Weight (approx.)	125 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	left
Signal connection	DE
Terminal box designation	gk846

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

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