



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8107-1JB13-2BA1

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	3.2	61.0	8.8	345	18.8	500	100	15.0	7,000	62.0	9	0.730	0.83	4.3
	BLM/SLM 400V	2.5	60.0	8.8	290	15.5	400	100	15.0	7,000	62.0	9	0.690	0.85	4.1
	ALM/BLM/SLM 480V	3.8	60.0	8.8	406	22.0	600	100	15.0	7,000	62.0	9	0.760	0.82	4.4

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	100
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	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard with fixed bearing
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder HTL 2048 S/R, max. encoder speed = 4600 rpm

Physical constants	
Thermal time constant	20 min
Moment of inertia	289 kgcm ²
Weight (approx.)	73 kg

Connection	
Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	gk813

Cooling data and sound pressure level	
Airflow, min.	0.04 m ³ /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	70 dB ¹⁾
Air discharge	axial
Pressure drop	110 Pa

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