



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8186-1HB10-2AA1-Z
G14+K23+K45+X59+Y84

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	l _μ [A]
Y	ALM 400V	26.5	506.0	65.0	335	17.2	500	1,230	156.0	5,000	506.0	65	0.875	0.80	36.0
	BLM/SLM 400V	21.2	506.0	65.0	268	13.9	400	1,230	156.0	5,000	506.0	65	0.850	0.83	34.0
	ALM/BLM/SLM 480V	32.0	509.0	66.0	400	20.6	600	1,230	156.0	5,000	509.0	66	0.892	0.79	37.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM B6, IM B7, IM B8, IM V6)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Stone gray RAL 7030
Type of the bearing	Standard
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder HTL 1024 S/R, max. encoder speed = 9000 rpm

Physical constants

Thermal time constant	25 min
Moment of inertia	6,520 kgcm²
Weight (approx.)	422 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	1XB7322-P05

Cooling data and sound pressure level

Airflow, min.	0.17 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	550 Pa

Special design

G14	with air filter
K23	Special paint finish worldwide
K45	Anti-condensation heater 230 V
X59	Paint finish: Stone gray RAL 7030
Y84	Customer specifications on rating plate:

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 5000 rpm