



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8186-1MB05-1EA2-Z
K24

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	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 DE -> NDE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP55
Design acc. to Code I	IM V15 with A450 flange
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Primer (light gray)
Type of the bearing	Increased cantilever forces
Shaft extension	Feather key with full 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	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

K24 Primer

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