



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8226-1HD30-1AA1-Z
K45

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	155.0	1,287.0	270.0	390	39.1	1,150	2,300	490.0	4,500	1,297.0	270	0.936	0.90	83.0
	BLM/SLM 400V	135.0	1,289.0	275.0	340	34.1	1,000	2,300	490.0	4,500	1,289.0	275	0.929	0.90	82.0
	ALM/BLM/SLM 480V	172.0	1,217.0	255.0	460	45.7	1,350	2,300	490.0	4,500	1,217.0	255	0.945	0.89	85.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	225
Cooling	Open circuit cooling DE-> NDE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP23
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	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft extension	Feather key with full key balancing
Encoder system	Incremental encoder HTL 1024 S/R, max. encoder speed = 9000 rpm

Physical constants

Thermal time constant	23 min
Moment of inertia	19,300 kgcm ²
Weight (approx.)	740 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	1XB7700-P02

Cooling data and sound pressure level

Airflow, min.	0.33 m ³ /s
Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB	73 dB ¹⁾
Air discharge	axial
Pressure drop	600 Pa

Special design

K45 Anti-condensation heater 230 V

¹⁾ at a rated frequency of 2 kHz and a speed range of up to 2000 rpm