



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8135-1WG12-1GA2

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	24.0	100.0	50.0	370	77.9	2,300	340	168.0	8,000	136.0	63	0.919	0.850	20.6
	BLM/SLM 400V	21.5	103.0	51.0	323	68.0	2,000	340	168.0	8,000	136.0	63	0.912	0.850	20.9
	ALM 480V	26.0	89.0	47.0	440	94.6	2,800	340	168.0	8,000	136.0	63	0.924	0.840	20.0
	BLM/SLM 480V	26.0	94.0	48.0	424	89.6	2,650	340	168.0	8,000	136.0	63	0.923	0.840	20.6

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
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 B5 (IM V1, IM V3)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft end	Feather key with full key balancing
Encoder system	Incremental encoder HTL 1024 pulses/rev (encoder HTL1024S/R) with connection via additional terminal box

External fan

Max. power consumption

3 AC 400 V / 50 Hz (±10%)	0.11 A
3 AC 400 V / 60 Hz (±10%)	0.13 A
3 AC 480 V / 60 Hz (±10%)	0.13 A

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

Physical constants

Thermal time constant	30 min
Moment of inertia	940 kgcm ²
Weight (approx.)	125 kg

Connection

Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	gk833

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