



Figure similar

Data sheet for SIMOTICS M-1PH8

Article No. : 1PH8163-1HG00-2GA1

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	38.0	158.0	78.0	370	77.4	2,300	570	272.0	6,500	254.0	111	0.935	0.87	28.2
	BLM/SLM 400V	36.0	172.0	83.0	324	67.5	2,000	570	272.0	6,500	254.0	111	0.929	0.88	28.1
	ALM/BLM/SLM 480V	40.0	144.0	76.0	390	89.2	2,650	570	272.0	6,500	254.0	111	0.936	0.89	23.1

Mechanical data	
Motor type	Squirrel cage asynchronous motor
Shaft height	160
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	R/A
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM V5, IM V6, IM B6, IM B7, IM B8)
Temperature monitoring	KTY84 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
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	35 min
Moment of inertia	2,160 kgcm ²
Weight (approx.)	196 kg

Connection	
Type of electrical connection	Terminal box
Position of the connection	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	gk863

Cooling data and sound pressure level	
Airflow, min.	0.16 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	200 Pa

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