



Figure similar

MLFB-Ordering data

1PH8166-1MF23-2LA2

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

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	$\cos \phi$	$I\mu$ [A]
ALM 400V	61.0	333.0	116.0	381	59.5	1750	730	250.0	9000.0	353.0	127	0.940	0.89	35.2
BLM/SLM 400V	52.0	331.0	116.0	332	51.2	1500	730	250.0	9000.0	353.0	127	0.936	0.88	36.7
ALM/BLM/SLM 480V	68.0	325.0	116.0	426	67.9	2000	730	250.0	9000.0	353.0	127	0.941	0.89	32.8

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	160
Cooling	Water cooling
Vibration severity grade	SPECIAL/B
Shaft and flange accuracy	SPECIAL
Degree of protection	IP65
Design acc. to Code I	IM B35 (IM V15, IM V35)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Performance
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder sin/cos 1Vpp 2048 S/R with C- and D-Spur, max. encoder speed = 12000 rpm

Connection

Type of electrical connection	Terminal box
Terminal box position	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	gk873

Physical constants

Thermal time constant	14 min
Moment of inertia	0.23200 kgm ²
Weight (approx.)	269 kg



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Cooling data and sound pressure level

Flow rate, min. 15 l/min

Sound pressure level LpA(1m) motor rated load, tolerance + 3dB 69 dB *

Pressure drop 0.2 bar

NDE thread connection 0.500 Inches

Cooling water specification

pH value 6 ... 9

Total hardness 1.7 mmol/l

Electrical conductivity 500 µS/cm

Chloride ions 40 mg/l

Sulfate ions 50 mg/l

Nitrate ions 50 mg/l

Dissolved substances 340 mg/l

Maximum particle size 100 µm

Antifreeze/corrosion protection 20 ... 30 %

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