



Figure similar

MLFB-Ordering data

1PH8184-1DD23-1LC1

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_{μ} [A]
ALM 400V	54.0	448.0	112.0	350	39.2	1150	897	224.0	7500.0	448.0	112	0.915	0.87	46.0
BLM/SLM 400V	47.0	449.0	114.0	300	34.2	1000	898	228.0	7500.0	449.0	114	0.904	0.88	45.0
ALM/BLM/SLM 480V	64.0	453.0	112.0	410	45.8	1350	905	224.0	7500.0	453.0	112	0.924	0.87	46.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Water cooling
Vibration severity grade	SR/A
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B35 with A450 flange (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 full key balancing
Encoder system	Incremental encoder 22 bit with commutation position 11 bit, max. encoder speed = 12000 rpm

Connection

Type of electrical connection	Terminal box
Terminal box position	NDE top
Power connection	NDE
Signal connection	right
Terminal box designation	1XB7322-P05

Physical constants

Thermal time constant	25 min
Moment of inertia	0.48900 kgm ²
Weight (approx.)	340 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 70 dB *

Pressure drop 0.6 bar

NDE thread connection 0.375 Inches

Cooling water specification

pH value 6 ... 9

Total hardness 1.7 mmol/l

Electrical conductivity 2000 μ S/cm

Chloride ions 250 mg/l

Sulfate ions 240 mg/l

Nitrate ions 50 mg/l

Dissolved substances 340 mg/l

Maximum particle size 100 μ m

Antifreeze/corrosion protection 20 ... 30 %

* at a rated frequency of 2 kHz or 4 kHz and a speed range of up to 5000 rpm