



Figure similar

MLFB-Ordering data

1PH8186-1DD00-2FB1

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	58.0	482.0	112.0	390	38.9	1150	1230	265.0	5000.0	482.0	112	0.933	0.82	57.0
Y BLM/SLM 400V	51.0	487.0	112.0	340	34.0	1000	1230	265.0	5000.0	487.0	112	0.926	0.83	56.0
ALM/BLM/SLM 480V	67.0	474.0	112.0	450	45.6	1350	1230	265.0	5000.0	474.0	112	0.939	0.82	55.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	RIA
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM B6, IM B7, IM B8, IM V6)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Increased cantilever forces
Shaft extension	Feather key with half 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	left
Signal connection	DE
Terminal box designation	1XB7322-P05

Physical constants

Thermal time constant	25 min
Moment of inertia	0.65200 kgm ²
Weight (approx.)	422 kg

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Cooling data and sound pressure level

Airflow, min.	0.17 m ³ /s
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Sound pressure level LpA(1m) motor +
external fan operation 50 HZ rated 73 dB *
load, tolerance + 3dB

Air discharge	axial
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Pressure drop	550 Pa
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* at a rated frequency of 2 kHz and a speed range of up to 5000 rpm