



Figure similar

MLFB-Ordering data

1PH8228-2DF03-0BA1

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
ALM 400V	195.0	1064.0	390.0	314	117.0	1750	4000	1500.0	3500.0	1180.0	427	0.966
BLM/SLM 400V	168.0	1070.0	395.0	270	100.0	1500	4000	1500.0	3500.0	1180.0	427	0.967
ALM/BLM/SLM 480V	196.0	936.0	345.0	355	133.0	2000	4000	1500.0	3500.0	1180.0	427	0.964

Mechanical data

Motor type	Permanent-magnet synchronous motor
Shaft height	225
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 B35 with A550 flange (IM V35)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft extension	Plain shaft
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	right
Signal connection	DE
Terminal box designation	1XB7700-P02

Physical constants

Thermal time constant	28 min
Moment of inertia	2.02000 kgm ²
Weight (approx.)	810 kg

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Cooling data and sound pressure level

Airflow, min.	0.31 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	650 Pa
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* at a rated frequency of 2 kHz and a speed range of up to 3500 rpm