



Figure similar

MLFB-Ordering data

1PH8184-1DF03-2AA1

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]	$\eta$	$\cos \phi$	$I_{\mu}$ [A]
<b>ALM 400V</b>	<b>60.0</b>	<b>327.0</b>	<b>120.0</b>	<b>390</b>	<b>58.9</b>	<b>1750</b>	<b>925</b>	<b>300.0</b>	<b>5000.0</b>	<b>327.0</b>	<b>120</b>	<b>0.944</b>	<b>0.79</b>	<b>64.0</b>
BLM/SLM 400V	51.0	325.0	116.0	335	50.6	1500	925	300.0	5000.0	325.0	116	0.940	0.80	63.0
ALM/BLM/SLM 480V	68.0	325.0	118.0	450	67.2	2000	925	300.0	5000.0	325.0	118	0.947	0.78	65.0

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	A
Shaft and flange accuracy	N
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	Standard
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	right
Signal connection	DE
Terminal box designation	1XB7322-P05

### Physical constants

Thermal time constant	22 min
Moment of inertia	0.48900 kgm <sup>2</sup>
Weight (approx.)	350 kg

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## Cooling data and sound pressure level

Airflow, min.	0.17 m <sup>3</sup> /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