



Figure similar

MLFB-Ordering data

1PH8184-1AF40-1EA2

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>89.0</b>	<b>486.0</b>	<b>162.0</b>	<b>390</b>	<b>59.3</b>	<b>1750</b>	<b>925</b>	<b>300.0</b>	<b>5000.0</b>	<b>486.0</b>	<b>162</b>	<b>0.937</b>	<b>0.87</b>	<b>61.0</b>
BLM/SLM 400V	76.0	484.0	162.0	335	50.9	1500	925	300.0	5000.0	484.0	162	0.931	0.87	61.0
ALM/BLM/SLM 480V	98.0	468.0	156.0	450	67.5	2000	925	300.0	5000.0	468.0	156	0.943	0.85	63.0

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Open circuit cooling NDE-> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP23
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 full key balancing
Encoder system	without encoder

### 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	26 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.	0.21 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	450 Pa
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\* at a rated frequency of 2 kHz and a speed range of up to 3000 rpm