



Figure similar

MLFB-Ordering data

1PH8105-1DF00-0LA1

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>8.0</b>	<b>44.0</b>	<b>17.5</b>	<b>400</b>	<b>60.2</b>	<b>1750</b>	<b>95</b>	<b>38.0</b>	<b>12000.0</b>	<b>52.0</b>	<b>20</b>	<b>0.878</b>	<b>0.78</b>	<b>8.8</b>
BLM/SLM 400V	7.0	45.0	17.5	348	51.9	1500	95	38.0	12000.0	52.0	20	0.867	0.79	8.8
ALM/BLM/SLM 480V	9.0	43.0	17.0	453	68.5	2000	95	38.0	12000.0	52.0	20	0.911	0.78	8.7

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	100
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	SPECIAL/B
Shaft and flange accuracy	SPECIAL
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM V5, IM V6)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Performance
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	gk813

### Physical constants

Thermal time constant	20 min
Moment of inertia	0.02520 kgm <sup>2</sup>
Weight (approx.)	65 kg

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## Cooling data and sound pressure level

Airflow, min.	0.04 m <sup>3</sup> /s
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Sound pressure level LpA(1m) motor +  
external fan operation 50 HZ rated 70 dB \*  
load, tolerance + 3dB

Air discharge	axial
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Pressure drop	110 Pa
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\* at a rated frequency of 4 kHz and a speed range of up to 5000 rpm