



Figure similar

MLFB-Ordering data

1PH8137-1SG10-2LA1

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>	29.0	120.0	56.0	400	77.9	2300	340	152.0	10000.0	176.0	73	0.929	0.86	21.9
BLM/SLM 400V	28.0	134.0	60.0	350	68.1	2000	340	152.0	10000.0	176.0	73	0.924	0.87	21.5
ALM/BLM/SLM 480V	30.0	108.0	52.0	460	89.4	2650	340	152.0	10000.0	176.0	73	0.941	0.83	22.4

### Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
Cooling	Forced ventilation NDE -> DE
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	Feather key with half key balancing
Encoder system	Incremental encoder 19 bit without commutation position (encoder IN19DQ)

### Connection

Type of electrical connection	Terminal box
Terminal box position	NDE top
Power connection	right
Signal connection	DE
Terminal box designation	gk833

### Physical constants

Thermal time constant	30 min
Moment of inertia	0.10900 kgm <sup>2</sup>
Weight (approx.)	141 kg

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## Cooling data and sound pressure level

Airflow, min.	0.09 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	140 Pa
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\* at a rated frequency of 4 kHz and a speed range of up to 5000 rpm