



Figure similar

MLFB-Ordering data

1PH8131-1US10-2LB1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

### Engineering data

		P <sub>N</sub> [kW]	M <sub>N</sub> [Nm]	I <sub>N</sub> [A]	U <sub>N</sub> [V]	f <sub>N</sub> [Hz]	n <sub>N</sub> [rpm]	M <sub>max</sub> [Nm]	I <sub>max</sub> [A]	n <sub>max</sub> [rpm]	M <sub>0</sub> [Nm]	I <sub>0</sub> [A]	η	cos φ	I <sub>μ</sub> [A]
Y	ALM 400V	14.6	70.0	39.0	302	68.2	2000	200	111.0	10000.0	94.0	47	0.908	0.84	15.9
	BLM/SLM 400V	11.0	70.0	39.0	227	51.5	1500	200	111.0	10000.0	94.0	47	0.884	0.85	15.1
	ALM/BLM/SLM 480V	18.0	69.0	38.0	372	84.8	2500	200	111.0	10000.0	94.0	47	0.922	0.84	15.6
Δ	ALM 400V	14.6	28.0	40.0	360	167.5	5000	80	114.0	10000.0	55.0	56	0.897	0.78	18.5
	BLM/SLM 400V	11.0	28.0	40.0	285	134.1	4000	80	114.0	10000.0	55.0	56	0.893	0.75	18.1
	ALM/BLM/SLM 480V	18.0	29.0	35.0	453	200.8	6000	80	114.0	10000.0	55.0	56	0.908	0.75	20.2

### 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 20 bit without commutation position (encoder IN20DQ)

### Connection

Type of electrical connection	Terminal box
Terminal box position	NDE top
Power connection	left
Signal connection	DE
Terminal box designation	gk846

### Physical constants

Thermal time constant	30 min
Moment of inertia	0.05900 kgm <sup>2</sup>
Weight (approx.)	89 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