



Figure similar

MLFB-Ordering data

1PH8131-1SF00-2LA1

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]	η	$\cos \phi$	I_μ [A]
ALM 400V	13.0	71.0	24.0	416	59.8	1750	140	48.0	10000.0	96.0	30	0.914	0.84	10.3
BLM/SLM 400V	11.0	70.0	24.0	360	51.4	1500	140	48.0	10000.0	96.0	30	0.899	0.84	10.4
ALM/BLM/SLM 480V	15.0	72.0	24.0	460	68.2	2000	140	48.0	10000.0	96.0	30	0.931	0.86	9.2

Mechanical data

Motor type Squirrel cage asynchronous motor

Shaft height 132

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 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 0.05900 kgm²

Weight (approx.) 89 kg

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Cooling data and sound pressure level

Airflow, min.	0.09 m ³ /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