



Figure similar

MLFB-Ordering data

1PH8133-1SG02-3MA1

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	22.5	93.0	44.0	400	78.1	2300	250	117.0	15000.0	126.0	54	0.933	0.84	18.1
BLM/SLM 400V	20.0	96.0	45.0	350	68.1	2000	250	117.0	15000.0	126.0	54	0.919	0.85	18.1
ALM/BLM/SLM 480V	24.0	86.0	41.0	456	89.6	2650	250	117.0	15000.0	126.0	54	0.949	0.83	18.1

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 B5 (IM V1, IM V3)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	High Performance
Shaft extension	Smooth hollow shaft
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	0.07600 kgm ²
Weight (approx.)	106 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