



Figure similar

MLFB-Ordering data

1PH8133-1FF12-0QA1

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	17.5	96.0	34.0	392	59.7	1750	240	85.0	4500.0	126.0	42	0.913	0.85	13.6
BLM/SLM 400V	15.0	96.0	34.0	342	51.3	1500	240	85.0	4500.0	126.0	42	0.899	0.85	14.2
ALM/BLM/SLM 480V	20.0	95.0	34.0	445	68.2	2000	240	85.0	4500.0	126.0	42	0.933	0.85	13.5

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	S/A
Shaft and flange accuracy	R
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	Advanced Lifetime
Shaft extension	Plain shaft
Encoder system	Absolut encoder 22 bit Singleturn + 12 bit Multiturn, 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	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