



Figure similar

MLFB-Ordering data

1PH8083-1DF00-0BC1

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	3.3	18.0	7.5	398	61.7	1750	34	18.0	10000.0	21.0	8	0.831	0.80	3.8
BLM/SLM 400V	2.8	18.0	7.5	346	53.3	1500	34	18.0	10000.0	21.0	8	0.809	0.80	3.8
ALM/BLM/SLM 480V	3.7	18.0	7.6	447	70.0	2000	34	18.0	10000.0	21.0	8	0.850	0.79	3.7

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	80
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	R/A
Shaft and flange accuracy	R
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	Standard with fixed bearing
Shaft extension	Plain shaft
Encoder system	Incremental encoder 22 bit with commutation position 11 bit, max. encoder speed = 12000 rpm

Connection

Type of electrical connection	Terminal box
Terminal box position	NDE top
Power connection	NDE
Signal connection	left
Terminal box designation	gk803

Physical constants

Thermal time constant	10 min
Moment of inertia	0.00640 kgm ²
Weight (approx.)	32 kg

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Cooling data and sound pressure level

Airflow, min.	0.02 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	95 Pa
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* at a rated frequency of 4 kHz and a speed range of up to 5000 rpm