



Figure similar

MLFB-Ordering data

1PH8103-1UM02-0LA1

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	9.3	27.0	25.7	326	112.1	3300	100	93.0	12000.0	38.0	31	0.900	0.78	12.2
BLM/SLM 400V	8.4	27.0	25.7	297	102.1	3000	100	93.0	12000.0	38.0	31	0.900	0.78	12.2
ALM/BLM/SLM 480V	10.0	27.0	25.4	355	122.1	3600	100	93.0	12000.0	38.0	31	0.910	0.77	12.3

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	100
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	Performance
Shaft extension	Plain shaft
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	right
Signal connection	DE
Terminal box designation	gk813

Physical constants

Thermal time constant	20 min
Moment of inertia	0.01720 kgm ²
Weight (approx.)	51 kg

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Cooling data and sound pressure level

Airflow, min.	0.04 m ³ /s
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Sound pressure level LpA(1m) motor + external fan operation 50 HZ rated load, tolerance + 3dB 70 dB *

Air discharge	axial
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Pressure drop	110 Pa
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* at a rated frequency of 4 kHz and a speed range of up to 5000 rpm