



Figure similar

MLFB-Ordering data

1PH8101-1FF12-1BA1

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	4.3	23.0	12.5	304	60.8	1750	60	32.0	9000.0	29.0	14	0.852	0.80	6.0
BLM/SLM 400V	3.7	24.0	12.5	265	52.4	1500	60	32.0	9000.0	29.0	14	0.835	0.80	6.0
ALM/BLM/SLM 480V	4.7	22.0	12.5	343	69.0	2000	60	32.0	9000.0	29.0	14	0.871	0.79	6.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	100
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	R/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	Standard with fixed bearing
Shaft extension	Feather key with full key balancing
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	gk813

Physical constants

Thermal time constant	20 min
Moment of inertia	0.01380 kgm ²
Weight (approx.)	42 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 70 dB *
load, tolerance + 3dB

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