



Figure similar

MLFB-Ordering data

1PH8165-1FG03-0BA1

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	44.0	183.0	85.0	394	77.4	2300	620	278.0	6500.0	302.0	122	0.932	0.86	31.0
BLM/SLM 400V	41.0	196.0	88.0	350	67.4	2000	620	278.0	6500.0	302.0	122	0.927	0.87	32.4
ALM/BLM/SLM 480V	50.0	180.0	85.0	440	89.0	2650	620	278.0	6500.0	302.0	122	0.932	0.87	28.9

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	160
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	RIA
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B35 (IM V15, IM V35)
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	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	gk863

Physical constants

Thermal time constant	35 min
Moment of inertia	0.23200 kgm ²
Weight (approx.)	230 kg

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Cooling data and sound pressure level

Airflow, min.	0.16 m ³ /s
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Sound pressure level LpA(1m) motor +
external fan operation 50 HZ rated 73 dB *
load, tolerance + 3dB

Air discharge	axial
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Pressure drop	200 Pa
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* at a rated frequency of 4 kHz and a speed range of up to 5000 rpm