



Figure similar

MLFB-Ordering data

1PH8131-2FF02-1BA1

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
Y	ALM 400V	18.0	98.0	29.0	415	58.3	1750	220	74.0	4500.0	105.0	30	0.947
	BLM/SLM 400V	15.7	100.0	29.0	388	50.0	1500	220	74.0	4500.0	105.0	30	0.944
	ALM/BLM/SLM 480V	19.9	95.0	29.0	449	66.7	2000	220	74.0	4500.0	105.0	30	0.948

Mechanical data

Motor type	Permanent-magnet synchronous motor
Shaft height	132
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 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	gk833

Physical constants

Thermal time constant	10 min
Moment of inertia	0.04460 kgm ²
Weight (approx.)	85 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