



Figure similar

MLFB-Ordering data

1PH8137-2FL02-0BA1

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
Y	ALM 400V	53.4	182.0	82.0	415	93.3	2800	460	235.0	4500.0	203.0	89	0.953
	BLM/SLM 400V	48.4	185.0	83.0	371	83.3	2500	460	235.0	4500.0	203.0	89	0.954
	ALM/BLM/SLM 480V	56.9	181.0	81.0	449	100.0	3000	460	235.0	4500.0	203.0	89	0.953

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 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 gk833

Physical constants

Thermal time constant 10 min

Moment of inertia 0.08850 kgm²

Weight (approx.) 136 kg

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Figure similar

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