



Figure similar

MLFB-Ordering data

1PH8137-1DG02-1BA1

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	29.0	120.0	56.0	400	77.9	2300	340	152.0	8000.0	176.0	73	0.929	0.86	21.9
BLM/SLM 400V	28.0	134.0	60.0	350	68.1	2000	340	152.0	8000.0	176.0	73	0.924	0.87	21.5
ALM/BLM/SLM 480V	30.0	108.0	52.0	460	89.4	2650	340	152.0	8000.0	176.0	73	0.941	0.83	22.4

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	132
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	RIA
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	Incremental encoder 22 bit with commutation position 11 bit, 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	30 min
Moment of inertia	0.10900 kgm ²
Weight (approx.)	141 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