



Figure similar

MLFB-Ordering data

1PH8105-1DS02-0CA1

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 φ	I _μ [A]
Y	ALM 400V	10.0	48.0	23.0	366	68.9	2000	100	46.0	9000.0	55.0	25	0.891	0.80	10.9
	BLM/SLM 400V	7.5	48.0	23.0	285	52.1	1500	100	46.0	9000.0	55.0	25	0.864	0.79	11.5
	ALM/BLM/SLM 480V	12.5	48.0	23.0	451	85.5	2500	100	46.0	9000.0	55.0	25	0.922	0.80	10.9
Δ	ALM 400V	9.3	18.0	24.0	398	167.9	5000	65	86.0	9000.0	36.0	34	0.914	0.71	13.2
	BLM/SLM 400V	7.5	18.0	24.0	308	134.6	4000	65	86.0	9000.0	36.0	35	0.907	0.73	12.7
	ALM/BLM/SLM 480V	11.2	18.0	22.0	460	201.3	6000	65	86.0	9000.0	36.0	35	0.932	0.73	12.7

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	100
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	S/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	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	gk826

Physical constants

Thermal time constant	20 min
Moment of inertia	0.02520 kgm ²
Weight (approx.)	65 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