



Figure similar

MLFB-Ordering data

1PH8107-1SS03-2LA1

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	11.0	53.0	26.7	368	68.6	2000	135	66.0	12000.0	63.0	30	0.864	0.76	14.2
	BLM/SLM 400V	8.5	54.0	27.0	275	52.0	1500	135	66.0	12000.0	63.0	30	0.861	0.80	13.1
	ALM/BLM/SLM 480V	14.0	53.0	26.5	454	85.2	2500	135	66.0	12000.0	63.0	30	0.923	0.77	14.1
Δ	ALM 400V	11.0	21.0	28.0	410	167.8	5000	80	100.0	12000.0	42.0	40	0.909	0.68	16.7
	BLM/SLM 400V	8.5	20.0	28.0	323	134.4	4000	80	100.0	12000.0	42.0	40	0.898	0.68	16.4
	ALM/BLM/SLM 480V	14.0	22.0	27.0	460	201.3	6000	80	100.0	12000.0	42.0	40	0.931	0.73	15.5

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	100
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	SPECIAL/B
Shaft and flange accuracy	SPECIAL
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	Performance
Shaft extension	Feather key with half key balancing
Encoder system	Incremental encoder 19 bit without commutation position (encoder IN19DQ)

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	0.02890 kgm ²
Weight (approx.)	73 kg

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Figure similar

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