



Figure similar

MLFB-Ordering data

1PH8137-1DS10-1BA1

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

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	29.0	138.0	56.0	398	68.0	2000	320	130.0	8000.0	185.0	68	0.931	0.85	22.7
	BLM/SLM 400V	22.0	140.0	56.0	308	51.3	1500	320	130.0	8000.0	185.0	68	0.902	0.84	24.2
	ALM/BLM/SLM 480V	36.0	138.0	50.0	460	84.9	2500	320	130.0	8000.0	185.0	68	0.951	0.89	17.4
Δ	ALM 400V	27.5	53.0	56.0	425	167.5	5000	160	160.0	8000.0	105.0	87	0.919	0.83	22.5
	BLM/SLM 400V	22.0	53.0	55.0	383	134.0	4000	160	160.0	8000.0	105.0	87	0.907	0.76	27.6
	ALM/BLM/SLM 480V	33.0	53.0	55.0	460	201.0	6000	160	160.0	8000.0	105.0	87	0.942	0.87	20.0

Mechanical data

Motor type Squirrel cage asynchronous motor

Shaft height 132

Cooling Forced ventilation NDE -> DE

Vibration severity grade R/A

Shaft and flange accuracy R

Degree of protection IP55

Design acc. to Code I IM B3 (IM V5, IM V6)

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 gk846

Physical constants

Thermal time constant 30 min

Moment of inertia 0.10900 kgm²

Weight (approx.) 141 kg

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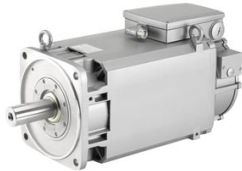


Figure similar

Cooling data and sound pressure level

Airflow, min.	0.09 m³/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