



Figure similar

MLFB-Ordering data

1PH8165-1FB00-0GC1

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	16.0	306.0	36.0	365	17.5	500	610	75.0	6500.0	329.0	37	0.830	0.85	14.8
	BLM/SLM 400V	13.0	310.0	36.0	300	14.1	400	610	75.0	6500.0	329.0	37	0.826	0.86	14.9
	ALM/BLM/SLM 480V	19.0	302.0	35.0	420	20.8	600	610	75.0	6500.0	329.0	37	0.850	0.88	12.0

Mechanical data

Motor type Squirrel cage asynchronous motor

Shaft height 160

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 B3 (IM V5, IM V6)

Temperature monitoring Pt1000 temperature sensor in the stator winding

Color Standard (Anthracite RAL 7016)

Type of the bearing Standard

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 NDE

Signal connection left

Terminal box designation gk863

Physical constants

Thermal time constant 35 min

Moment of inertia 0.23200 kgm²

Weight (approx.) 230 kg

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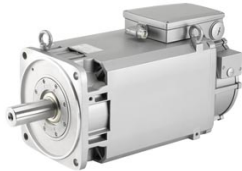


Figure similar

Cooling data and sound pressure level

Airflow, min.	0.16 m³/s
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Sound pressure level LpA(1m) motor +
external fan operation 50 HZ rated 73 dB *
load, tolerance + 3dB

Air discharge	axial
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Pressure drop	200 Pa
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* at a rated frequency of 4 kHz and a speed range of up to 5000 rpm