



Figure similar

MLFB-Ordering data

1PH8284-1DD10-2BV1

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]
Δ	ALM 400V	170.0	1414.0	310.0	400	38.6	1150	4150	870.0	3300.0	1414.0	310	0.960	0.82	157.0
	BLM/SLM 400V	150.0	1433.0	315.0	335	33.7	1000	4150	870.0	3300.0	1433.0	315	0.958	0.85	143.0
	ALM/BLM/SLM 480V	200.0	1416.0	315.0	460	45.3	1350	4150	870.0	3300.0	1416.0	315	0.962	0.83	151.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	280
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 V6)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
Shaft extension	Feather key with half 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 left
Power connection	below
Signal connection	DE
Terminal box designation	1XB7700-P02

Physical constants

Thermal time constant	47 min
Moment of inertia	4.20000 kgm²
Weight (approx.)	1200 kg

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Cooling data and sound pressure level

Airflow, min.	0.42 m³/s
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Sound pressure level LpA(1m) motor +
external fan operation 50 HZ rated 74 dB *
load, tolerance + 3dB

Air discharge	radial
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Pressure drop	600 Pa
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* at a rated frequency of 2 kHz and a speed range of up to 3300 rpm