



Figure similar

MLFB-Ordering data

1PH8286-1DB12-1AU1

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	100.0	1909.0	188.0	400	17.0	500	5350	530.0	3300.0	1909.0	188	0.939	0.82	96.0
	BLM/SLM 400V	80.0	1910.0	186.0	325	13.6	400	5350	530.0	3300.0	1910.0	186	0.928	0.82	98.0
	ALM/BLM/SLM 480V	120.0	1916.0	188.0	460	20.3	600	5350	530.0	3300.0	1916.0	188	0.945	0.85	88.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	280
Cooling	Forced ventilation NDE -> DE
Vibration severity grade	A
Shaft and flange accuracy	N
Degree of protection	IP55
Design acc. to Code I	IM B5 with A660 flange (IM V3)
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Standard (Anthracite RAL 7016)
Type of the bearing	Standard
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 right
Power connection	below
Signal connection	DE
Terminal box designation	1XB7700-P02

Physical constants

Thermal time constant	50 min
Moment of inertia	5.20000 kgm²
Weight (approx.)	1400 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