



Figure similar

MLFB-Ordering data

1PH8184-1DB00-0BA1

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	$\cos \phi$	I_{μ} [A]
ALM 400V	20.5	392.0	49.0	335	17.4	500	925	124.0	5000.0	392.0	49	0.861	0.84	23.0
BLM/SLM 400V	16.3	389.0	49.0	271	14.1	400	925	124.0	5000.0	389.0	49	0.834	0.85	23.0
ALM/BLM/SLM 480V	25.0	389.0	49.0	410	20.7	600	925	124.0	5000.0	398.0	49	0.882	0.81	26.0

Mechanical data

Motor type	Squirrel cage asynchronous motor
Shaft height	180
Cooling	Forced ventilation DE -> NDE
Vibration severity grade	RIA
Shaft and flange accuracy	R
Degree of protection	IP55
Design acc. to Code I	IM B3 (IM B6, IM B7, IM B8, 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	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	1XB7322-P05

Physical constants

Thermal time constant	22 min
Moment of inertia	0.48900 kgm ²
Weight (approx.)	350 kg

MLFB-Ordering data

1PH8184-1DB00-0BA1



Figure similar

Cooling data and sound pressure level

Airflow, min.	0.17 m ³ /s
---------------	------------------------

Sound pressure level LpA(1m) motor +
external fan operation 50 HZ rated 73 dB *
load, tolerance + 3dB

Air discharge	axial
---------------	-------

Pressure drop	550 Pa
---------------	--------

* at a rated frequency of 2 kHz and a speed range of up to 5000 rpm