



Figure similar

MLFB-Ordering data

1PH8184-1DD23-1BA1

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 | 54.0 | 448.0 | 112.0 | 350 | 39.2 | 1150 | 897 | 224.0 | 5000.0 | 448.0 | 112 | 0.915 | 0.87 | 46.0 |
| BLM/SLM 400V | 47.0 | 449.0 | 114.0 | 300 | 34.2 | 1000 | 898 | 228.0 | 5000.0 | 449.0 | 114 | 0.904 | 0.88 | 45.0 |
| ALM/BLM/SLM 480V | 64.0 | 453.0 | 112.0 | 410 | 45.8 | 1350 | 905 | 224.0 | 5000.0 | 453.0 | 112 | 0.924 | 0.87 | 46.0 |

Mechanical data

| | |
|---------------------------|---|
| Motor type | Squirrel cage asynchronous motor |
| Shaft height | 180 |
| Cooling | Water cooling |
| Vibration severity grade | RIA |
| Shaft and flange accuracy | R |
| Degree of protection | IP55 |
| Design acc. to Code I | IM B35 with A450 flange (IM V35) |
| 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 top |
| Power connection | right |
| Signal connection | DE |
| Terminal box designation | 1XB7322-P05 |

Physical constants

| | |
|-----------------------|--------------------------|
| Thermal time constant | 25 min |
| Moment of inertia | 0.48900 kgm ² |
| Weight (approx.) | 340 kg |

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Figure similar

Cooling data and sound pressure level

Flow rate, min. 15 l/min

Sound pressure level LpA(1m) motor rated load, tolerance + 3dB 70 dB *

Pressure drop 0.6 bar

NDE thread connection 0.375 Inches

Cooling water specification

pH value 6 ... 9

Total hardness 1.7 mmol/l

Electrical conductivity 2000 µS/cm

Chloride ions 250 mg/l

Sulfate ions 240 mg/l

Nitrate ions 50 mg/l

Dissolved substances 340 mg/l

Maximum particle size 100 µm

Antifreeze/corrosion protection 20 ... 30 %

* at a rated frequency of 2 kHz or 4 kHz and a speed range of up to 5000 rpm