



Figure similar

MLFB-Ordering data

1PH8163-1DF00-1BA1

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 | 34.0 | 186.0 | 70.0 | 366 | 59.2 | 1750 | 600 | 217.0 | 6500.0 | 252.0 | 87 | 0.926 | 0.87 | 24.6 |
| Y BLM/SLM 400V | 30.0 | 191.0 | 71.0 | 319 | 50.8 | 1500 | 600 | 217.0 | 6500.0 | 252.0 | 87 | 0.923 | 0.87 | 25.6 |
| ALM/BLM/SLM 480V | 37.0 | 177.0 | 68.0 | 416 | 67.4 | 2000 | 600 | 217.0 | 6500.0 | 252.0 | 87 | 0.932 | 0.86 | 24.6 |

Mechanical data

| | |
|---------------------------|---|
| Motor type | Squirrel cage asynchronous motor |
| Shaft height | 160 |
| 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 V5, IM V6) |
| Temperature monitoring | Pt1000 temperature sensor in the stator winding |
| Color | Standard (Anthracite RAL 7016) |
| Type of the bearing | Standard with fixed bearing |
| 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 | gk863 |

Physical constants

| | |
|-----------------------|--------------------------|
| Thermal time constant | 35 min |
| Moment of inertia | 0.21600 kgm ² |
| Weight (approx.) | 196 kg |

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Cooling data and sound pressure level

| | |
|---------------|------------------------|
| Airflow, min. | 0.16 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 | 200 Pa |
|---------------|--------|

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