



Figure similar

MLFB-Ordering data

1PH8288-1FC10-1EU1

Client order no. :

Item no. :

Order no. :

Consignment no. :

Offer no. :

Project :

Remarks :

### Engineering data

|                   | $P_N$<br>[kW] | $M_N$<br>[Nm] | $I_N$<br>[A] | $U_N$<br>[V] | $f_N$<br>[Hz] | $n_N$<br>[rpm] | $M_{max}$<br>[Nm] | $I_{max}$<br>[A] | $n_{max}$<br>[rpm] | $M_0$<br>[Nm] | $I_0$<br>[A] | $\eta$ | $\cos \phi$ | $I_\mu$<br>[A] |
|-------------------|---------------|---------------|--------------|--------------|---------------|----------------|-------------------|------------------|--------------------|---------------|--------------|--------|-------------|----------------|
| $\Delta$ ALM 400V | 190.0         | 2268.0        | 365.0        | 370          | 27.0          | 800            | 6450              | 970.0            | 3300.0             | 2268.0        | 365          | 0.957  | 0.85        | 171.0          |
| BLM/SLM 400V      | 166.0         | 2265.0        | 365.0        | 325          | 23.6          | 700            | 6450              | 970.0            | 3300.0             | 2265.0        | 365          | 0.953  | 0.85        | 171.0          |
| ALM/BLM/SLM 480V  | 230.0         | 2197.0        | 355.0        | 460          | 33.6          | 1000           | 6450              | 970.0            | 3300.0             | 2197.0        | 355          | 0.962  | 0.84        | 172.0          |

### 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 B3 (IM V6)  |
| Temperature monitoring    | Pt1000 temperature sensor in the stator winding                                      |
| Color                     | Standard (Anthracite RAL 7016)   |
| Type of the bearing       | Increased cantilever forces  |
| Shaft extension           | Feather key with full key balancing  |
| Encoder system            | Absolut encoder 22 bit Singleturn + 12 bit Multiturn, 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 | 53 min                   |
| Moment of inertia     | 6.30000 kgm <sup>2</sup> |
| Weight (approx.)      | 1650 kg                  |

MLFB-Ordering data

1PH8288-1FC10-1EU1



Figure similar

## Cooling data and sound pressure level

|               |                        |
|---------------|------------------------|
| Airflow, min. | 0.42 m <sup>3</sup> /s |
|---------------|------------------------|

Sound pressure level LpA(1m) motor +  
external fan operation 50 HZ rated 74 dB \*  
load, tolerance + 3dB

|               |        |
|---------------|--------|
| Air discharge | radial |
|---------------|--------|

|               |        |
|---------------|--------|
| Pressure drop | 600 Pa |
|---------------|--------|

\* at a rated frequency of 2 kHz and a speed range of up to 3300 rpm