

## Technical data sheet

| General data       |                            |
|--------------------|----------------------------|
| Frame size         | 132                        |
| Housing material   | Aluminum                   |
| Install model      | According to the standard  |
| Type of feet       | Removable feet             |
| Net weight         | 55.7 kg                    |
| Insulation class   | F                          |
| Protection degree  | IP 55                      |
| Thermal protection | Bimetallic sensor          |
| Rotation direction | Clockwise                  |
| Service duty       | S1                         |
| Vibration level    | A                          |
| Balance            | Half-key balanced          |
| Cable glands       | 2 - M25 × 1.5              |
| Cooling            | IC 411                     |
| Painting color     | RAL 5010                   |
| Regulations        | IEC / DIN / ISO / VDE / EN |
| Standard           | IEC 60034                  |

| Environmental conditions |                        |
|--------------------------|------------------------|
| Ambient temperature      | From -20°C to +40°C    |
| Maximum altitude         | 1000 m above sea level |

| Electrical data   |                          |                                                      |
|-------------------|--------------------------|------------------------------------------------------|
| Output            | 5.5                      | kW                                                   |
| Frequency         | 50                       | Hz                                                   |
| Voltage (±5%)     | 400<br>690<br>480<br>828 | V Δ @ 50Hz<br>V Y @ 50Hz<br>V Δ @ 60Hz<br>V Y @ 60Hz |
| Rotation speed    | 975<br>1170              | RPM @ 50Hz<br>RPM @ 60Hz                             |
| Rated current     | 12.7<br>7.34             | A (In) @ Δ 50Hz<br>A (In) @ Y 50Hz                   |
| Starting current  | 7.4                      | ×In                                                  |
| Rated torque      | 53.87                    | Nm (Mn)                                              |
| Starting torque   | 2.9                      | ×Mn                                                  |
| Breakdown torque  | 3.5                      | ×Mn                                                  |
| Efficiency        | 88<br>88.3<br>87.1       | IE3<br>@ 100% load<br>@ 75% load<br>@ 50% load       |
| Power factor cosφ | 0.71                     | @ 100% load                                          |

| Mechanical data                           |                            |                   |
|-------------------------------------------|----------------------------|-------------------|
| Bearings brand                            | C&U                        |                   |
| Bearings type                             | 6308 2RZ C3<br>6208 2RZ C3 | (DE)<br>(NDE)     |
| Lifetime of bearings                      | 20000 hours                |                   |
| Allowed radial load<br>Allowed axial load | 2760.46 N<br>1935.63 N     |                   |
| Moment of inertia                         | 0.05398713                 | Kg*m <sup>2</sup> |
| Noise level                               | 68                         | dB(A)             |





