

## Technical data sheet

| General data       |                            |
|--------------------|----------------------------|
| Frame size         | 90                         |
| Housing material   | Aluminum with iron shields |
| Install model      | According to the standard  |
| Type of feet       | Removable feet             |
| Net weight         | 14.4 kg                    |
| Insulation class   | F                          |
| Protection degree  | IP 55                      |
| Thermal protection | Bimetallic sensor          |
| Rotation direction | Clockwise                  |
| Service duty       | S4-80% 30c/h               |
| Vibration level    | A                          |
| Balance            | Half-key balanced          |
| Cable glands       | 1 - M20× 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 altitute         | 1000 m above sea level |

| Electrical data   |       |                 |
|-------------------|-------|-----------------|
| Output            | 1.1   | kW              |
| Frequency         | 50    | Hz              |
| Voltage (±5%)     | 230   | V Δ @ 50Hz      |
|                   | 400   | V Y @ 50Hz      |
|                   | 276   | V Δ @ 60Hz      |
|                   | 480   | V Y @ 60Hz      |
| Rotation speed    | 910   | RPM @ 50Hz      |
|                   | 1092  | RPM @ 60Hz      |
| Rated current     | 5.23  | A (In) @ Δ 50Hz |
|                   | 3.01  | A (In) @ Y 50Hz |
| Starting current  | 4.2   | ×In             |
| Rated torque      | 11.54 | Nm (Mn)         |
| Starting torque   | 1.95  | ×Mn             |
| Breakdown torque  | 2.25  | ×Mn             |
| Efficiency        | 73.5  | @ 100% load     |
|                   | 75.2  | @ 75% load      |
|                   | 72.9  | @ 50% load      |
| Power factor cosφ | 0.72  | @ 100% load     |

| Mechanical data     |             |                   |
|---------------------|-------------|-------------------|
| Bearings brand      | C&U         |                   |
| Bearings type       | 6205 2RZ C3 | (DE)              |
|                     | 6205 2RZ C3 | (NDE)             |
| Allowed radial load |             | 947 N             |
| Allowed axial load  |             | 798 N             |
| Moment of inertia   | 0.00407     | Kg*m <sup>2</sup> |
| Noise level         | 59          | dB(A)             |