



# Felandia

| General data       |  |
|--------------------|--|
| Frame size         | 71   |
| Housing material   | Aluminum   |
| Install model      | According to the standard                            |
| Type of feet       | Removable feet                                       |
| Net weight         | 5.06 kg  |
| Insulation class   | F (Standard)<br>H (Optional)                         |
| Protection degree  | IP 55 (Standard)<br>IP 56 (Optional)                 |
| Thermal protection | Without (Standard)<br>Customizable (Optional)        |
| Rotation direction | Clockwise (Standard)<br>Counter clockwise (Optional) |
| Service duty       | S1   |
| Vibration level    | A  |
| Balance            | Half-key balanced                                    |
| Cable glands       | 1 - M20× 1.5   |
| Cooling            | IC 411   |
| Painting color     | RAL 7024 (Standard)<br>Customizable (Optional)       |
| 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            | 0.25 | kW              |
| Frequency         | 50   | Hz              |
| Voltage (±5%)     | 230  | V Δ @ 50Hz      |
|                   | 400  | V Y @ 50Hz      |
|                   | 276  | V Δ @ 60Hz      |
|                   | 480  | V Y @ 60Hz      |
| Rotation speed    | 1395 | RPM @ 50Hz      |
|                   | 1674 | RPM @ 60Hz      |
| Rated current     | 1.32 | A (In) @ Δ 50Hz |
|                   | 0.76 | A (In) @ Y 50Hz |
| Starting current  | 4.2  | ×In             |
| Rated torque      | 1.71 | Nm (Mn)         |
| Starting torque   | 2    | ×Mn             |
| Breakdown torque  | 2.15 | ×Mn             |
| Efficiency        | 65.1 | IE1 @ 100% load |
|                   | 63.1 | @ 75% load      |
|                   | 55.8 | @ 50% load      |
| Power factor cosφ | 0.73 | @ 100% load     |

| Mechanical data                     |   |                   |
|-------------------------------------|---|-------------------|
| Bearings brand                      | C&U (Standard)<br>Customizable (Optional) |                   |
| Bearings type                       | 6202 2RZ C3                               | (DE)<br>(NDE)     |
| Lifetime of bearings                | 6202 2RZ C3                               | hours             |
| Allowed radial load                 | 20000 N                                   |                   |
| Allowed axial load                  | 457 N                                     |                   |
| Grease type                         | 385                                       |                   |
| Lubrication interval of NDE bearing | h   |                   |
| Lubrication interval of DE bearing  | h   |                   |
| Moment of inertia                   | 0.00056                                   | Kg*m <sup>2</sup> |
| Noise level                         | 55  | dB(A)             |