



# Felandia

| General data       |                                                              |                          |
|--------------------|--------------------------------------------------------------|--------------------------|
| Frame size         | 132                                                          |                          |
| Housing material   | Casting iron                                                 |                          |
| Install model      | According to the standard                                    |                          |
| Type of feet       | Removable feet<br>(Standard) <i>Fixed feet</i><br>(Optional) |                          |
| Net weight         | 76.3 kg                                                      |                          |
| Insulation class   | F<br>H                                                       | (Standard)<br>(Optional) |
| Protection degree  | IP 55<br>IP 56                                               | (Standard)<br>(Optional) |
| Thermal protection | Without<br><i>Customizable</i>                               | (Standard)<br>(Optional) |
| Rotation direction | Clockwise<br><i>Counter clockwise</i>                        | (Standard)<br>(Optional) |
| Service duty       | S1                                                           |                          |
| Vibration level    | A                                                            |                          |
| Balance            | Half-key balanced                                            |                          |
| Cable glands       | 2 - M25× 1.5                                                 |                          |
| Cooling            | IC 411                                                       |                          |
| Painting color     | RAL 7024<br><i>Customizable</i>                              | (Standard)<br>(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            | 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    | 950<br>1140              | RPM @ 50Hz<br>RPM @ 60Hz                             |
| Rated current     | 12.71<br>7.34            | A (In) @ Δ 50Hz<br>A (In) @ Y 50Hz                   |
| Starting current  | 7.5                      | ×In                                                  |
| Rated torque      | 55.29                    | Nm (Mn)                                              |
| Starting torque   | 2.3                      | ×Mn                                                  |
| Breakdown torque  | 2.5                      | ×Mn                                                  |
| Efficiency        | 88<br>88.8<br>86.9       | IE3<br>@ 100% load<br>@ 75% load<br>@ 50% load       |
| Power factor cosφ | 0.71                     | @ 100% load                                          |

| Mechanical data                     |                            |                          |
|-------------------------------------|----------------------------|--------------------------|
| Bearings brand                      | C&U<br><i>Customizable</i> | (Standard)<br>(Optional) |
| Bearings type                       | 6308 2RS C3<br>6308 2RS C3 | (DE)<br>(NDE)            |
| Lifetime of bearings                |                            | 40000 hours              |
| Allowed radial load                 |                            | 1852 N                   |
| Allowed axial load                  |                            | 16000 N                  |
| Grease type                         | -                          |                          |
| Lubrication interval of NDE bearing |                            | - h                      |
| Lubrication interval of DE bearing  |                            | - h                      |
| Moment of inertia                   | 0.054430                   | Kg*m <sup>2</sup>        |
| Noise level                         | 69                         | dB(A)                    |