



Felandia

| General data | |
|--------------------|--|
| Frame size | 280 |
| Housing material | Casting iron |
| Install model | According to the standard |
| Type of feet | Removable feet (Standard) <i>Fixed feet</i> (Optional) |
| Net weight | 673.3 kg |
| Insulation class | F (Standard) H (Optional) |
| Protection degree | IP 55 (Standard) IP 56 (Optional) |
| Thermal protection | Without (Standard) <i>Customizable</i> (Optional) |
| Rotation direction | Clockwise (Standard) <i>Counter clockwise</i> (Optional) |
| Service duty | S1 |
| Vibration level | A |
| Balance | Half-key balanced |
| Cable glands | 2 - M50× 1.5 |
| Cooling | IC 411 |
| Painting color | RAL 7024 (Standard) <i>Customizable</i> (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 | 75 | kW |
| Frequency | 50 | Hz |
| Voltage (±5%) | 400 | V Δ @ 50Hz |
| | 690 | V Y @ 50Hz |
| | 480 | V Δ @ 60Hz |
| | 828 | V Y @ 60Hz |
| Rotation speed | 1480 | RPM @ 50Hz |
| | 1776 | RPM @ 60Hz |
| Rated current | 130.98 | A (In) @ Δ 50Hz |
| | 75.62 | A (In) @ Y 50Hz |
| Starting current | 10 | ×In |
| Rated torque | 483.95 | Nm (Mn) |
| Starting torque | 2.5 | ×Mn |
| Breakdown torque | 2.8 | ×Mn |
| Efficiency | 95 | IE3 @ 100% load |
| | 95.1 | @ 75% load |
| | 94.8 | @ 50% load |
| Power factor cosφ | 0.87 | @ 100% load |

| Mechanical data | | |
|-------------------------------------|--|-------------------|
| Bearings brand | C&U (Standard) <i>Customizable</i> (Optional) | |
| Bearings type | 6316 C3 | (DE) |
| | 6316 C3 | (NDE) |
| Lifetime of bearings | | - hours |
| Allowed radial load | | 8500 N |
| Allowed axial load | | 57700 N |
| Grease type | polyurea-based grease | |
| Lubrication interval of NDE bearing | | 10500 h |
| Lubrication interval of DE bearing | | 10500 h |
| Moment of inertia | 1.996030 | Kg*m ² |
| Noise level | 86 | dB(A) |