

Type Q3T 180 M4

| General data | |
|--------------------|--|
| Frame size | 180 |
| Housing material | Casting iron |
| Install model | According to the standard |
| Type of feet | Removable feet (Standard) <i>Fixed feet</i> (Optional) |
| Net weight | 169.4 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 - M32× 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 | 18.5 | kW |
| Frequency | 50 | Hz |
| Voltage (±5%) | 400 690 480 828 | V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz |
| Rotation speed | 1460 1752 | RPM @ 50Hz RPM @ 60Hz |
| Rated current | 33.53 19.36 | A (In) @ Δ 50Hz A (In) @ Y 50Hz |
| Starting current | 9 | ×In |
| Rated torque | 121.01 | Nm (Mn) |
| Starting torque | 2.5 | ×Mn |
| Breakdown torque | 3 | ×Mn |
| Efficiency | 92.6 93.6 93 | IE3 @ 100% load @ 75% load @ 50% load |
| Power factor cosφ | 0.86 | @ 100% load |

| Mechanical data | | |
|-------------------------------------|----------------------------|--------------------------|
| Bearings brand | C&U <i>Customizable</i> | (Standard) (Optional) |
| Bearings type | 6311 C3 6311 C3 | (DE) (NDE) |
| Lifetime of bearings | | - hours |
| Allowed radial load | | 3373 N |
| Allowed axial load | | 30000 N |
| Grease type | polyurea-based grease | |
| Lubrication interval of NDE bearing | | 18500 h |
| Lubrication interval of DE bearing | | 18500 h |
| Moment of inertia | 0.155300 | Kg*m ² |
| Noise level | 76 | dB(A) |