SHANGHAI TOP MOTOR CO., LTD.

# Technical Data Sheet

| General data | | |
|---|---|---|
| Frame size | 100 | |
| Housing material | Aluminum | |
| Install model | According to the standard | |
| Type of feet | Removable feet | |
| Net weight | 17.6 kg | |
| Insulation class | F<br>*H* | (Standard)<br>*(Optional)* |
| Protection degree | IP 55<br>*IP 56* | (Standard)<br>*(Optional)* |
| Thermal protection | Without<br>*Customizable* | (Standard)<br>*(Optional)* |
| Rotation direction | Clockwise<br>*Counter clockwise* | (Standard)<br>*(Optional)* |
| Service duty | S1 | |
| Vibration level | A | |
| Balance | Half-key balanced | |
| Cable glands | 2-M20×1.5 | |
| Cooling | IC 411 | |
| Painting color | RAL 7024<br>*Customizable* | (Standard)<br>*(Optional)* |
| 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 | 0.75 | kW |
| Frequency | 50 | Hz |
| Voltage (±5%) | 230<br>400<br>276<br>480 | V Δ @ 50Hz<br>V Y @ 50Hz<br>V Δ @ 60Hz<br>V Y @ 60Hz |
| Rotation speed | 685<br>825 | RPM @ 50Hz<br>RPM @ 60Hz |
| Rated current | 4.21<br>2.43 | A (In) @ Δ 50Hz<br>A (In) @ Y 50Hz |
| Starting current | 3.6 | ×In |
| Rated torque | 10.46 | Nm (Mn) |
| Starting torque | 1.9 | ×Mn |
| Breakdown torque | 2.2 | ×Mn |
| Efficiency | IE2<br>68.5<br>68<br>62.7 | <br>@ 100% load<br>@ 75% load<br>@ 50% load |
| Power factor cosφ | 0.65 | @ 100% load |

| Mechanical data | | |
|---|---|---|
| Bearings brand | C&U<br>*Customizable* | (Standard)<br>*(Optional)* |
| Bearings type | 6206 2RZ C3<br>6206 2RZ C3 | (DE)<br>(NDE) |
| Lifetime of bearings | | 20000 hours |
| Allowed radial load<br>Allowed axial load | | 1436 N<br>1240 N |
| Grease type | | |
| Lubrication interval of NDE bearing<br>Lubrication interval of DE bearing | | h<br>h |
| Moment of inertia | 0.00635 | Kg*m² |
| Noise level | 59 | dB(A) |

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