TECHTOP 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 | 24.6 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 | 1 - 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 | 1.5 | kW |
| Frequency | 50 | Hz |
| Voltage (±5%) | 230 | V Δ @ 50Hz |
| Rotation speed | 1158 | RPM @ 50Hz |
| Rated current | 8.26 | A (In) @ Δ 50Hz |
| Starting current | 3.1 | ×In |
| Rated torque | 14.8 | Nm (Mn) |
| Starting torque | 0.3 | ×Mn |
| Breakdown torque | 1.52 | ×Mn |
| Efficiency | IE2<br>79.8<br>76.0<br>67.0 | <br>@ 100% load<br>@ 75% load<br>@ 50% load |
| Power factor cosφ | 0.99 | @ 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 | | 1320 N<br>1093 N |
| Grease type | - | |
| Lubrication interval of NDE bearing<br>Lubrication interval of DE bearing | | - h<br>- h |
| Moment of inertia | 0.01073 | Kg*m² |
| Noise level | 72 | dB(A) |

*No. 303 Kangliu Road Kangqiao Town Pudong Shanghai, 201315, China*

*Tel: +86 (21) 6819 2006, Fax: +86 (21) 5812 9366, Email: info@techtop.net.cn, Website: www.techtop.com*