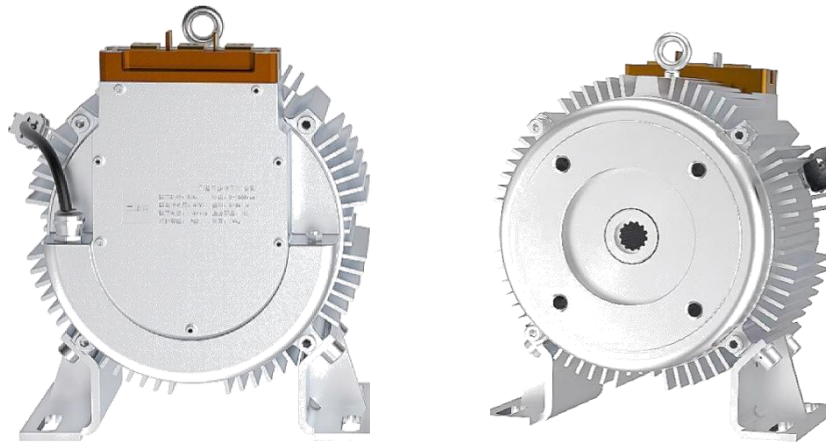


SPECIFICATION FOR PMSM

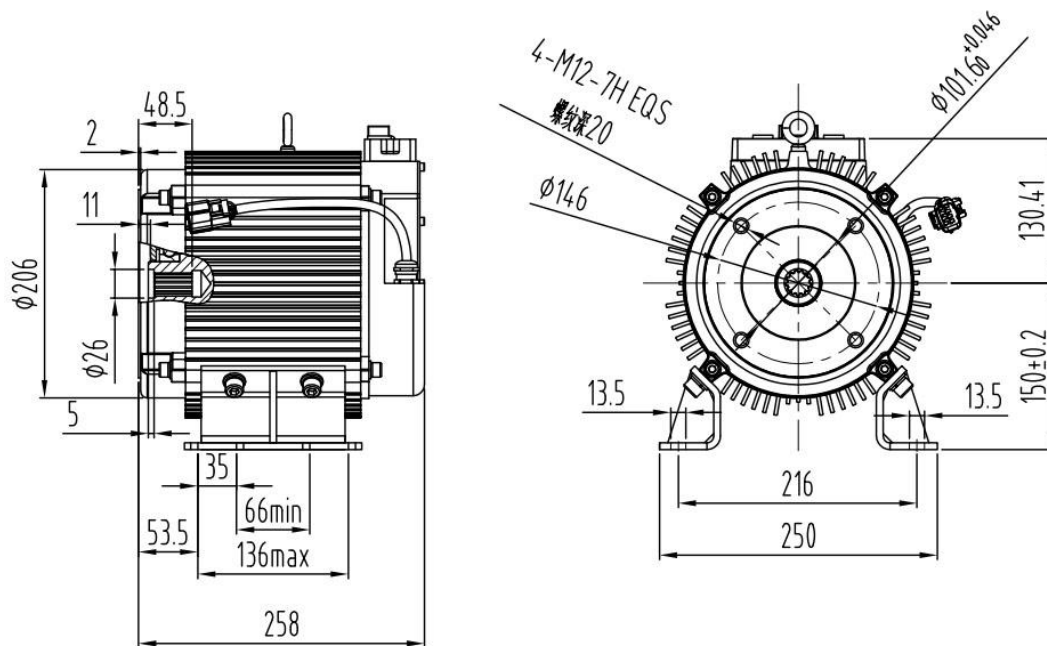
TZ200XB08-P100-DL



1. Product Model & Specification

| TZ200XB08-P100-DL | | | |
|-------------------|------------------------------------|-------------|------------|
| Rated Voltage | 80 V | Cooling | Air |
| Rated Power | 9 kW | Peak Power | 32 kW |
| Rated Speed | 1800 rpm | Peak Speed | 5500 rpm |
| Rated Torque | 48 Nm | Peak Torque | 161 Nm |
| Product Weight | 35 kg | Size | 250*258 mm |
| Application | Aerial Lift Working Platform, etc. | | |

2. Outline Dimension



3. Interface Function

3.1. Motor Installation and Matching Cable:

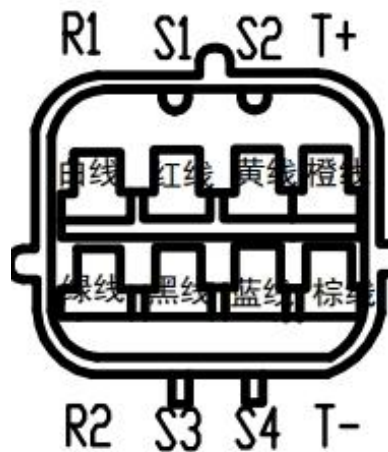
3.1.1. Power Cable Selection:

Wiring of magnetic encoder+Temperature sensor-8-core cable-black

3.1.2. Wiring Definition

| No. | Color | Definition |
|-------------------------------------|--------|---|
| U | Yellow | U-Phase of Three-phase Motor |
| V | Green | V-Phase of Three-phase Motor |
| W | Blue | W Phase of Three-phase Motor |
| Encoder And Temperature Sensor Line | Black | Wiring of Magnetic Encoder and Temperature Sensor |

3.1.3. Terminal Model and Pin Definition



Connector model: Tyco AMP-174984-2, plug model: Tyco AMP-2822393-1,
temperature sensor model: KTY84-130

| Terminal No. | Function |
|--------------|----------------|
| White | R1 Excitation+ |
| Green | R2 Excitation- |
| Red | S1 Cos+ |
| Black | S3 Cos- |
| Yellow | S2 Sin+ |
| Blue | S4 Sin- |
| Orange | Temperature+ |
| Brown | Temperature- |

4. Other

4.1. Design Standard

A. The theoretical weight of the motor is 35kg; Cogging torque is 0.31N·m (test before installing oil seal); the radial circle runout is $\leq 0.035\text{mm}$, the axial clearance is 0.3mm, and the noise of the motor during no-load operation is less than 65dB.

B. Duty: S3-15%/S2 (working system with non-periodic changes in load and rotating speed), the external temperature of the motor is -40°C - 50°C when working.

C. Other performance requirements shall comply with relevant requirements of QC/T 792-2007.

4.2 Safety Standard

The limit requirements of prohibited substances and toxic and harmful substances meet the latest edition of GB/T 30512.