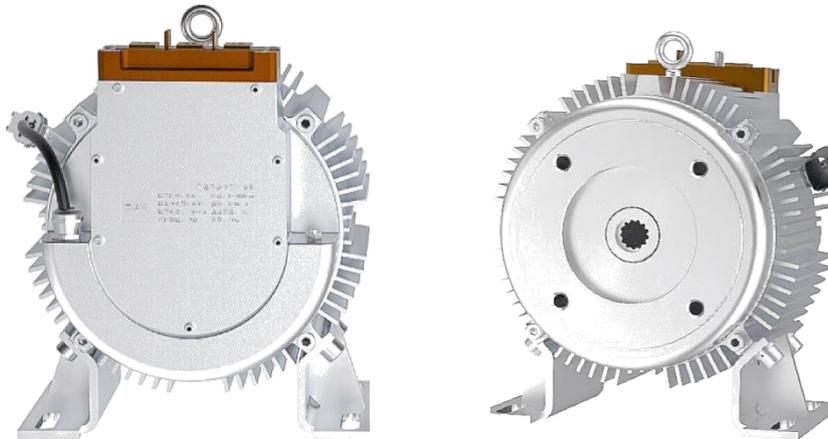


## **SPECIFICATION FOR PMSM**

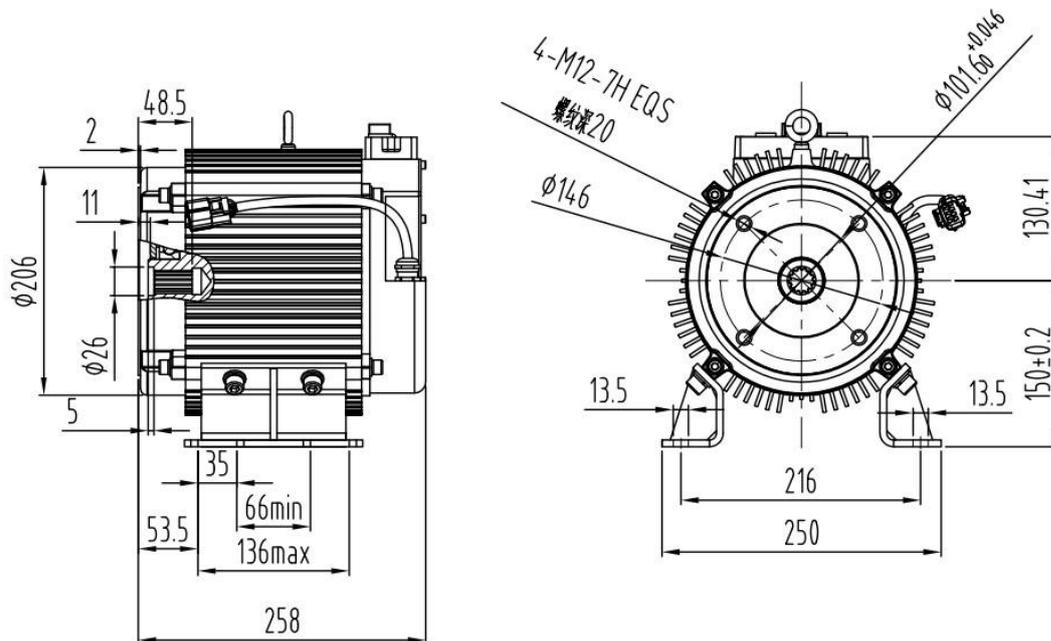
### **TZ200XB08-P100-DL**



## 1. Product Model & Specification

<b>TZ200XB08-P100-DL</b>			
Rated Voltage	80 V	Cooling Method	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 Working Platform, etc.		

## 2. Outline Dimension



## 3. Interface Function

### 3.1. Motor Installation and Matching Cable:

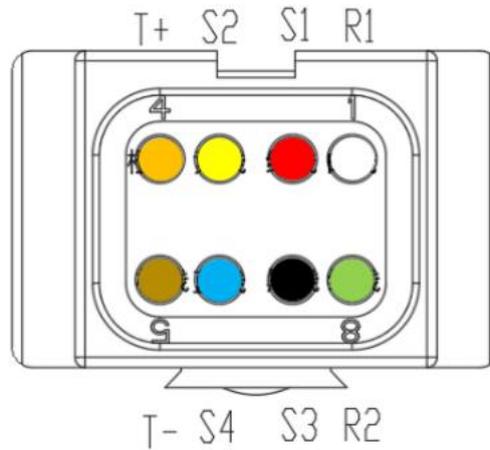
#### 3.1.1. Power Cable Selection:

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

**3.1.2. Wiring Definition**

No.	Color	Definition
U		U-Phase of Three-phase Motor
V		V-Phase of Three-phase Motor
W		W Phase of Three-phase Motor
Encoder and Temperature Sensor Leads	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-

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## **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, the external temperature of the motor is  $-40^{\circ}\text{C}$ - $60^{\circ}\text{C}$  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.