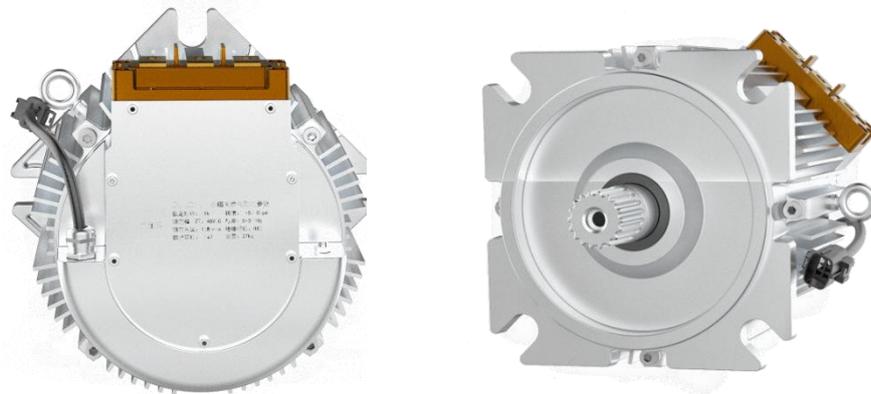


## SPECIFICATION FOR PMSM

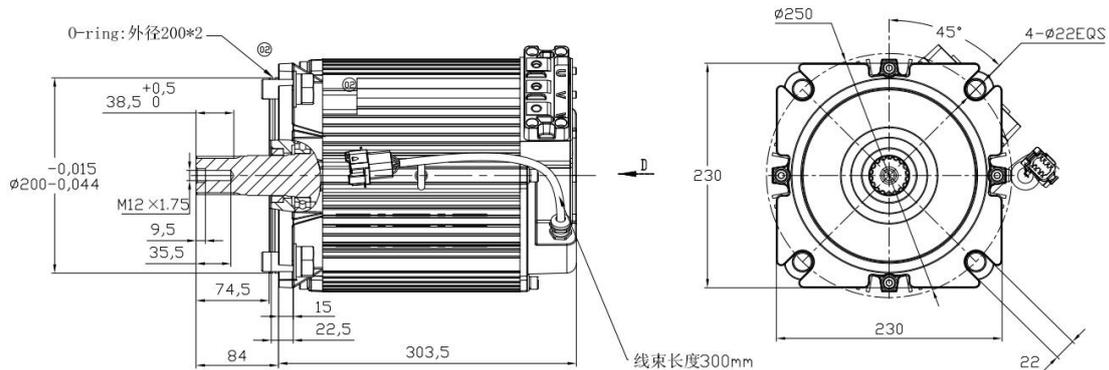
### TZ200XB08-T145-DL



## 1. Product Model & Specification

<b>TZ200XB08-T145-DL</b>			
Rated Voltage	80 V	Cooling Method	Air
Rated Power	15 kW	Peak Power	50 kW
Rated Speed	3600 rpm	Peak Speed	6000 rpm
Rated Torque	40 Nm	Peak Torque	270 Nm
Product Weight	44 kg	Size	230*303.5 mm
Application	Aerial Working Platform, etc.		

## 2. Outline Dimension



## 3. Interface Function

### 3.1. Motor Installation and Matching Cable:

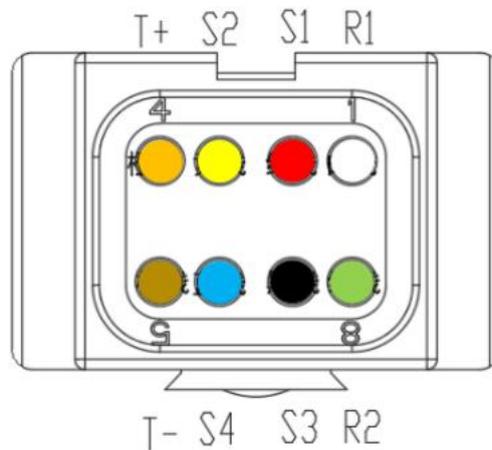
#### 3.1.1. Power Cable Selection:

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 44 kg; Cogging torque is 0.45 N·m (test before installing oil seal); the radial circle runout is  $\leq 0.035$  mm, the axial clearance is 0.3 mm, and the noise of the motor during no-load operation is less than 65 dB.

B. Duty: S3-15%/S2, the external temperature of the motor is -40°C-60°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.