

The logo for Krubec, featuring the word "krubec" in a bold, lowercase, sans-serif font. The text is contained within a white circle with a blue border. The circle is positioned in the upper left corner of the page, overlapping a blue curved graphic element that sweeps across the top and left sides of the cover.

**krubec**

# **SPECIFICATION**

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**MODEL**  
**K-AC6020-M230-17**

## 1.Electrical Specifications

- 1-1 Category: Single-phase shaded-pole asynchronous motors;
- 1-2 Specification: 61\*60.5\*20;
- 1-3 Rated voltage: AC220-240V 50Hz;
- 1-4 Number of poles: 2;
- 1-5 Fuses: None;
- 1-6 Working mode: S1 (continuous);
- 1-7 Insulation class: H class.

## 2.Working environment

- 2-1 Working conditions;
  - 2-1-1 The altitude does not exceed 1000m;
  - 2-1-2 Operation temperature: -20~+85°C;
  - 2-1-3 Relative humidity: 90%MAX;
- 2-2 Installation position: horizontal;
- 2-3 Working voltage: Under the rated frequency and load, the motor can work normally if the voltage fluctuation is within  $\pm 5\%$  of the rated voltage.

## 3.Performance parameters

- 3-1 Motor characteristics: (The motor is tested with a rated 6-blade fan blade, the room temperature is  $25\pm 5^\circ\text{C}$ , and the test record is performed after 5 minutes).

Voltage	Frequency	Current	Input Power	Speed	Mode
230V	50Hz	0.24A $\pm 10\%$	32W $\pm 10\%$	1700RPM $\pm 150$	1

### 3-2 Motor parameters

Wire Diameter	No.	Number of Turns	Resistance Value
0.21mm	QA-1/180	T	107 $\pm 15\%$ ( $\Omega/25^\circ\text{C}$ )

- 3-3 Load low-voltage start: 0.85 times the rated voltage, smooth start for 3 consecutive times;
- 3-4 Dielectric strength: between the winding and the chip, 1800V 1SEC 2mA;
- 3-5 Temperature rise requirements: The rated voltage is 1.06 times of the test. Under the environment of  $25^\circ\text{C}$ , the live winding temperature rise tester is used to take the customer to simulate the load test of the whole machine. The winding temperature rise is less than 105K, and the stall temperature rise conforms to the IEC60335 standard;
- 3-6 Insulation resistance: between the winding and the chip, measured by a DC500V megohmmeter, cold state: more than 100 M $\Omega$ ;
- 3-7 Noise: Under rated voltage and rated frequency, the noise of the motor should be less than 45dB(A) under no-load (measured at a distance of 30cm from the edge of the motor).

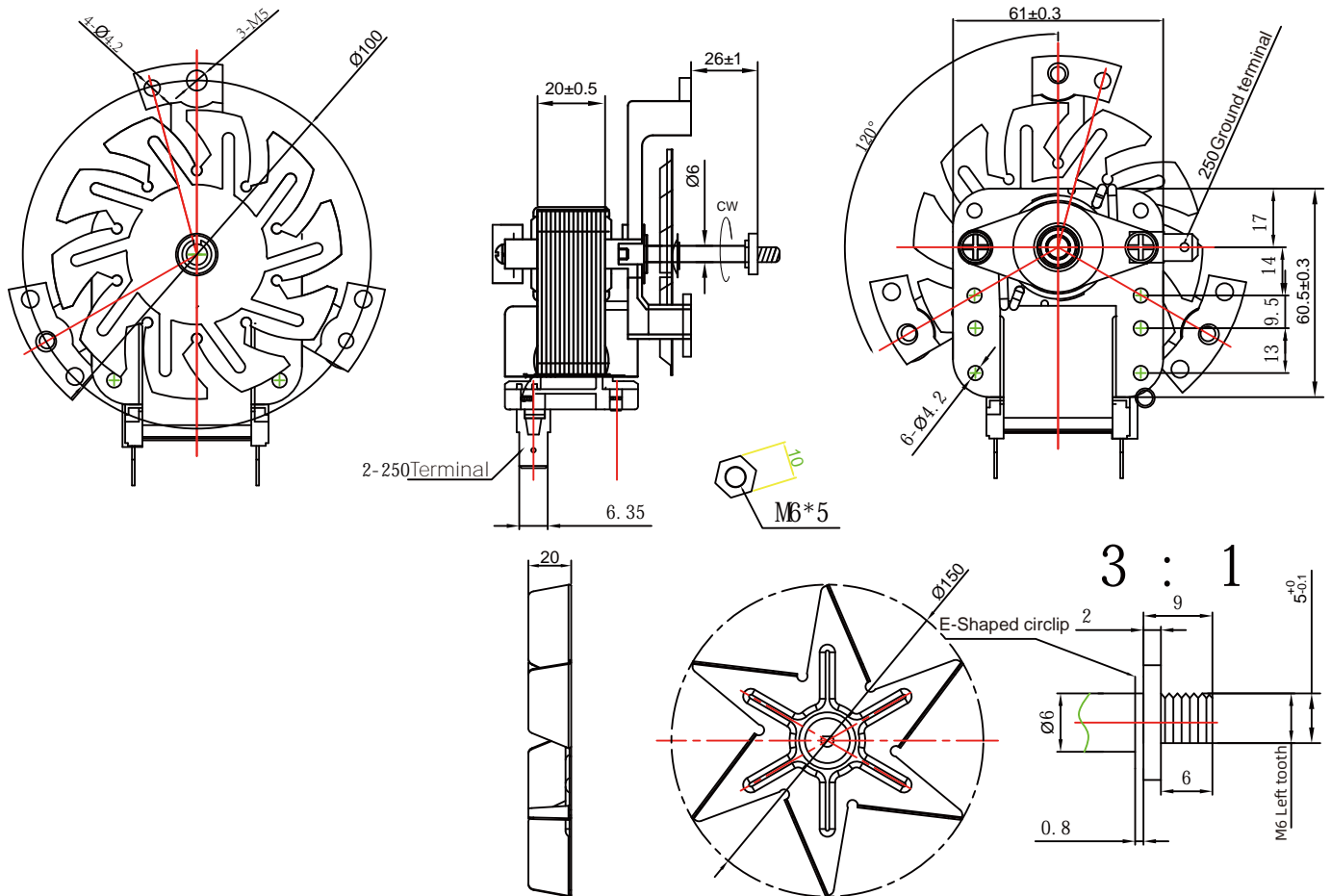
## 4.Mechanical Specifications

- 4-1 Travel distance 0.5-2 mm;
- 4-2 Rotation direction: C.W from the shaft extension end.

## 5.Appearance

- 5-1 The appearance of the motor is clean, free of rust and dirt;
- 5-2 Labels are correct and clear.

## 6.Outline Drawing



Dimensional tolerance not noted: 0-6±0.1; 6-30±0.2; 30-120±0.3; >120±0.5;  
 Unmarked angle tolerance: ±30'