SPECIFICATION

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 Ambient temperature: 0℃～40℃

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 ±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±5℃, and the test record is performed after 5 minutes)

Voltage	Frequency	Current	Input Power	Speed	Mode
230V	50Hz	260mA±10%	32±10%W	1700±150RPM	1

3.2 Motor parameters

Wire Diameter	No.	Number of Turns	Resistance Value
0.21mm	QA-1/180	T	107±15%(Ω/25℃)

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 °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 MΩ;

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;

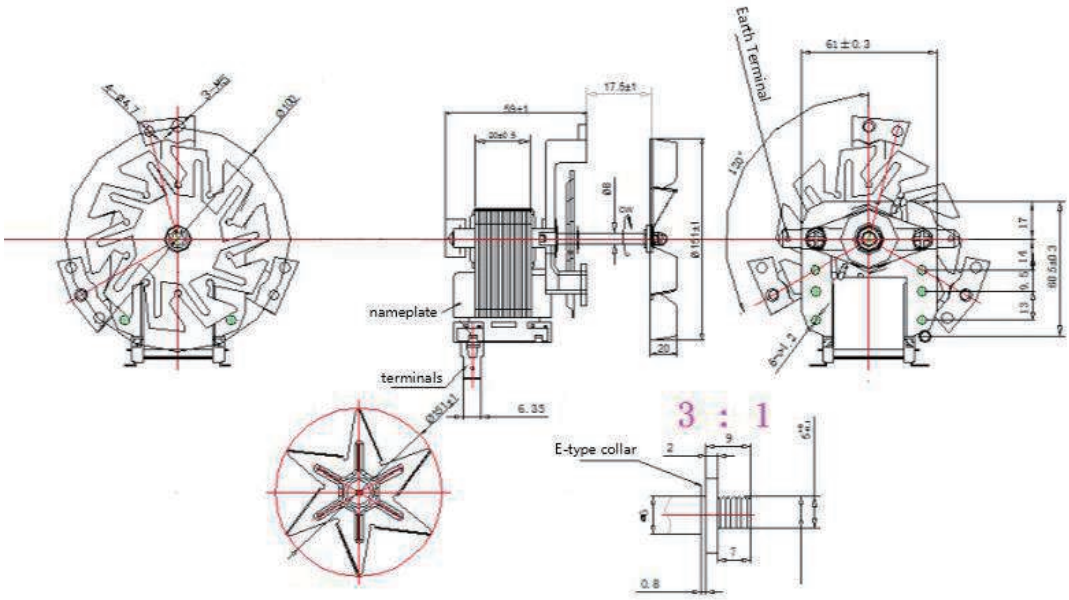
5. Appearance

5.1 The appearance of the motor is clean, free of rust and dirt;

5.2 Labels are correct and clear.

6. Others

6.1 Dimensions: see the 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′

Drawing technical requirements:

1. Model: single-phase shaded-pole asynchronous motor

2. Rated data

2-1 Voltage AC220-240V/50V60HZ

2-2 phase number single phase

2-3 poles 2 poles

3. Appearance

3-1 There is no rust, deformation and other phenomena on the surface of the stator.

3-2 The short-circuit ring is well welded, and there is no looseness, virtual welding, and incomplete welding.

3-3 The wire frame is free of looseness and damage.

3-4 leads should not be damaged, and 1800V high voltage should not be broken down.

4. No-load characteristics: (A230VI50HZ)

4-1 Current: 234 mA ± 10%

4-2 Input power: 227 W±10%

4-3 Speed: 28001100rpm

4-4 Low Voltage Start: 115V

5. Load blocking characteristics: "AC230/5OHZ with 150 large BT wind T)

5-1 Current: 264mA±10%

5-2 Input power: 32W±10%

5-3 Speed: 1700+150pm

5-4 Low voltage start: 138V

6. Insulation

6-1 Insulation class H class

6-2 Insulation resistance DG500V test winding should be greater than 20MQ to the chassis

6-3 Insulation withstand voltage withstand power frequency 1800V/0.5mA/1s, there should be no flashover and breakdown phenomenon.

7. Structure

7-1 Turn clockwise (C.W) as viewed from the shaft extension end

7-2 Shaft extension radial runout <0.03

7-3 Axial movement to the spring edge (0.2-0.6mm)

7-4 leads are welded firmly and can withstand 3KG pulling force for 1min without loosening

8. Cold resistance: 10715% (room temperature 25℃)

9. Temperature rise: 254V 50Hz test hour is 74K

10. Noise: There is no abnormal noise when the motor runs at rated voltage.

11. The inside of the nameplate should be clear and the location should be unified.