

The logo for Krube, featuring the word "Krube" in a bold, black, sans-serif font with a stylized orange and black graphic element above the 'e'. The logo is enclosed in a white circle with a blue border, which is part of a larger blue and white abstract graphic design on the left side of the page.

Krube

SPECIFICATION

MODEL

K-AC630-S230-08

1.0 Introduction

This specification describes the standard and technic requirements of the product.

2.0 Requirement of production standard and safety regulations

All material accord with RoHS.

3.0 Operating environment requirements

3.1 Operating temperature and humidity

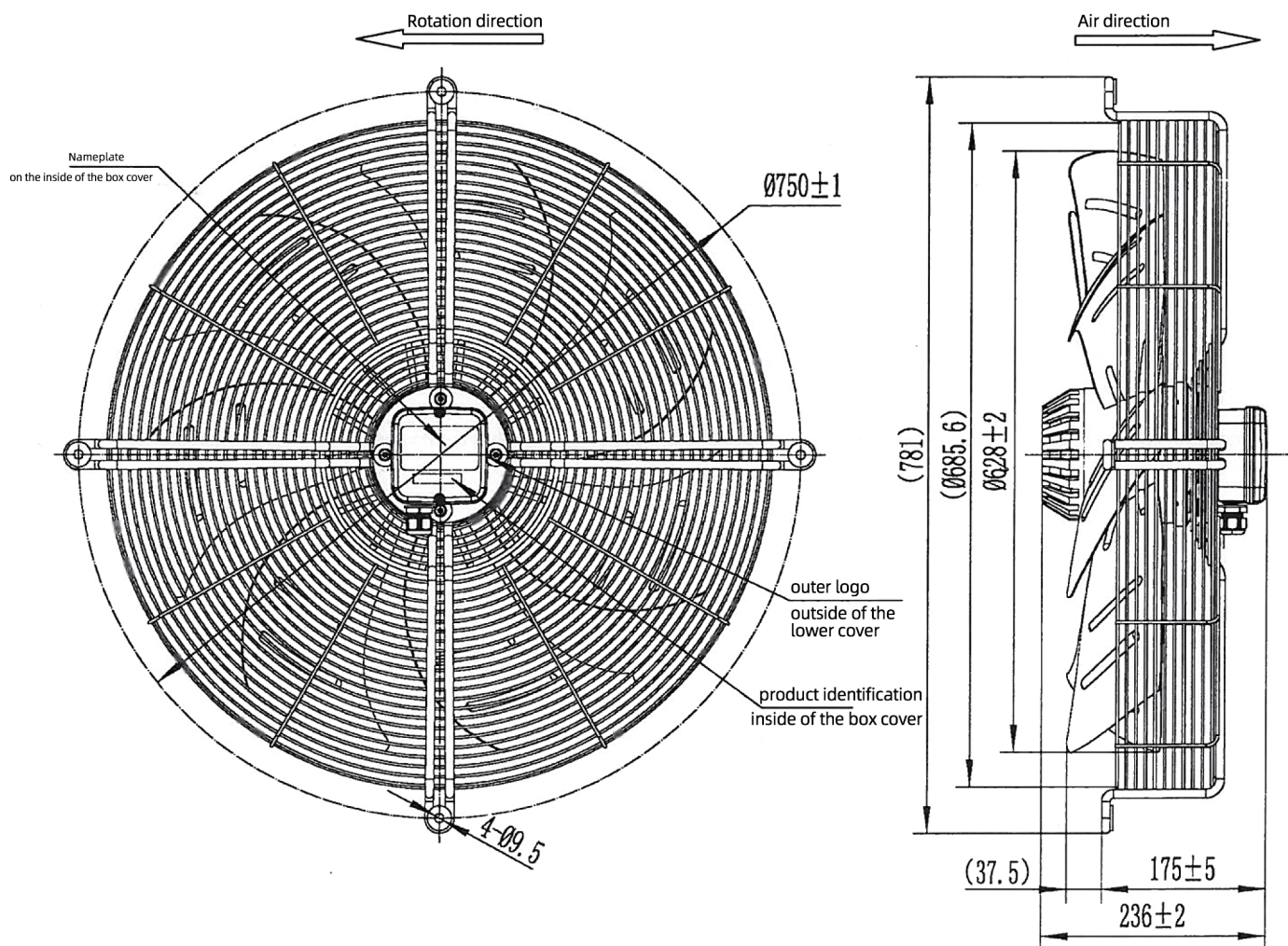
Operating temperatures from -40°C to $+60^{\circ}\text{C}$, Operating humidity $\leq 95\%$ RH.

3.2 Storing temperature and humidity

Storing temperatures from -40°C to $+70^{\circ}\text{C}$; In a clean and well-ventilated warehouse, Relative humidity should be $\leq 95\%$ RH and no corrosive gas exist.

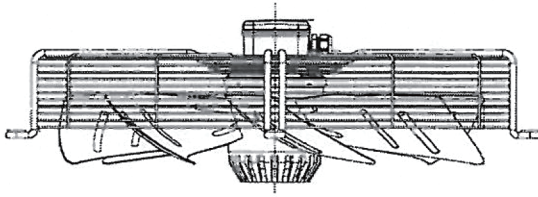
4.0 Mechanical requirements

4.1 Dimension drawing

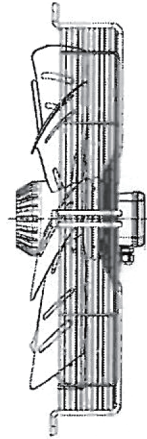


4.2 intall

The fan can be mounted horizontally or vertically downwards (outlet hole facing up).



Axis vertically downward



Shaft horizontal installation

4.3 Impeller

Blade made of cold rolled steel, rotor and blades are seal connect.

4.4 Motor

External rotor AC motor

4.5 Balancing

At $900 \pm 10\%$ r/min running speed, the residual unbalance of the fan is not less than G6.3 (balancing precision grade), according with JB/T9101.

4.6 Vibration of the fan

Test method accord with JB/T6411-1992.

4.7 Type of protection

Type of motor protection is IP54.

4.8 Life time

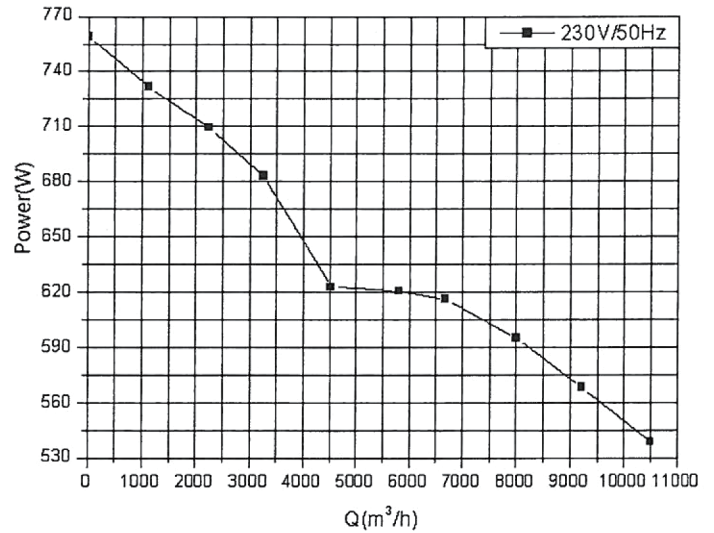
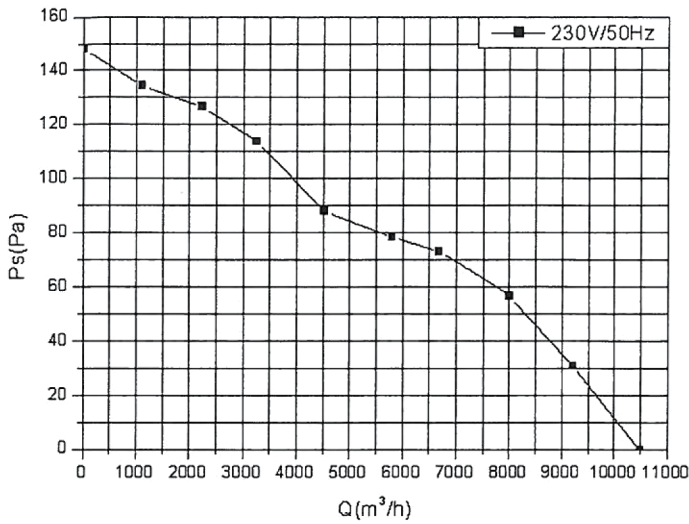
Fan life expectance 40,000 hours, determined when at nominal supply voltage, running at full speed, environment temperature of $40\text{ }^{\circ}\text{C}$.

5.0 Fan performance

5.1 Rating data

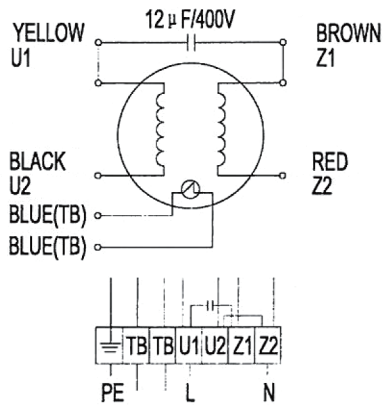
Voltage [V]	Frequency [Hz]	Capacitor ($\mu\text{F}/\text{V} \pm 5\%$)	Current draw [A] ($\pm 10\%$)	Power input [W] ($\pm 10\%$)	Speed [r/min] ($\pm 10\%$)	Air flow [m ³ /h] ($\pm 10\%$)	Noise level [Lp dB(A)] (-7 ⁺ +3)	Insulation class
230	50	12/400	2.70 (no load)	570 (no load)	870	10500	72	F

5.2 Performance curve (Rating voltage 230V)



6.0 Electrical performance

6.1 View lead connection



6.2 Protection

This motor with heat protection, cut off temperature: 150—160°C, replacement temperature: 95—125°C.

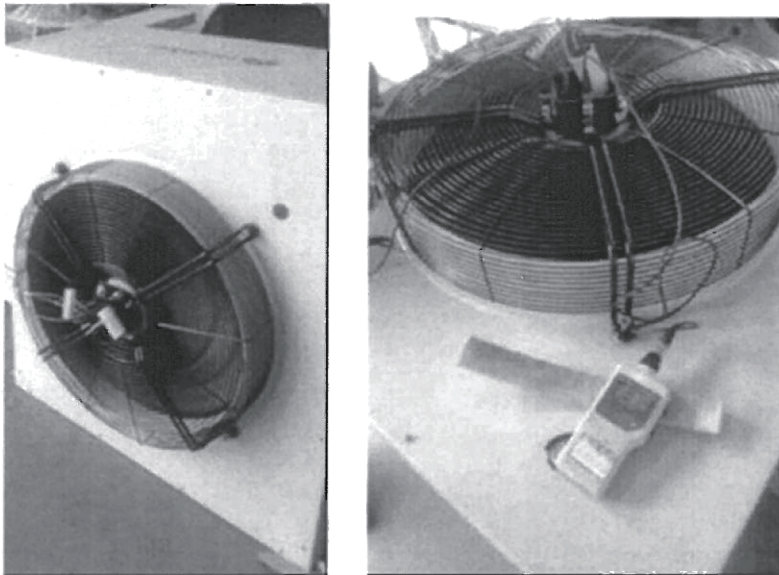
6.3 Electromagnetic compatibility

The electromagnetic radiation compliance for GB9254.

7.0 Quality requests

7.1 The project of comprehensive inspection

- (1) Pressure test: Ground pressure 1500V/1 min have no flicker and no breakdown, In mass production can instead with 1800V/3s, brake cut current is 8mA, inter-turn Pressure is 1800V/5 pulse wave (reference Q_FT-J079 1004-2017).
- (2) The direction of rotation: from lead side is counterclockwise.
- (3) Vibration test: with Huawei 26B external unit and Huawei chopper, under the input voltage of 230VAC/48Hz, 50Hz, 52Hz, the vibration value under the full detection chopper 0, -5, -10, -15; requires Z Shaft runout (motor) ≤6.0 mm/s;



7.2 The project of sampling

The following project for 2 sets of each batch sampling, if has once unqualified that to increase the sampling volume, and additional 4 sets of sampling re-examination for the failed items, if has still fail after re-examination that judge failed for the batch.

- (1) Temperature rise: Use Huawei controller and condenser ,The temperature rise in 260VAC/50Hz $\leq 80K$ (reference GB/T5171).
- (2) Limit condition: Temperature rise $\leq 85K$ (Using huawei consender and controller, 47Hz/53Hz MAX 260VAC.)
- (3) Air-flow:single fan open running, the air-flow in 0Pa were 10500($\pm 10\%$) m³/h (reference GB/T1236-2000) .
- (4) Running in low voltage:at least 60 voltage can normal start.
- (5) Fans machine noise limit:single fan open running, test at that distance for1M with the air-inlet side, noise(sound pressure line) is 72.3 dB(A), (reference JB/T2888-1991)

7.3 Type test requirements(reference Q/FT-FJ008-2006)

- (1).Electrical performance test: one yearly.
- (2).The test of reliability and structural strength: one yearly.
- (3).Life time test:Every two years.

8.0 Packaging and marks

8.1 Packaging

The packaging has to be well dimension and structure, so that the fans for on normal transport could not be damaged.

8.2 Marks:

Markings: Name of manufacturer, type of fan, date of manufacture, weight, size etc

9.0 Other requirements on accessory

9.1 Inlet cones

Yes, No;

9.2 Fan guard

Yes, No;

9.3 Capacitor

Yes, No;

9.4 Annectent parts

linker(Yes, No)

terminal(Yes, /No)

9.5 Nameplate drawing:

