

The logo for Krube, featuring the word "krube" in a bold, lowercase, sans-serif font. The letter "k" is black with a small orange dot above it. The letter "e" is black with a small blue dot above it. The logo is enclosed in a white circle with a blue border.

krube

SPECIFICATION

MODEL

K-AC1830B2-W380-03

1.0 Introduction

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

2.0 Requirement of production standard and safety regulations

2.1 The product satisfy requirements

2.1.1 GB14711 «Safety requirements of small and medium size rotating electrical machines»

2.1.2 JB/T10562-2006 «Technical specification for general purposes axial fans»

3.0 Operating environment requirements

3.1 Operating temperature and humidity

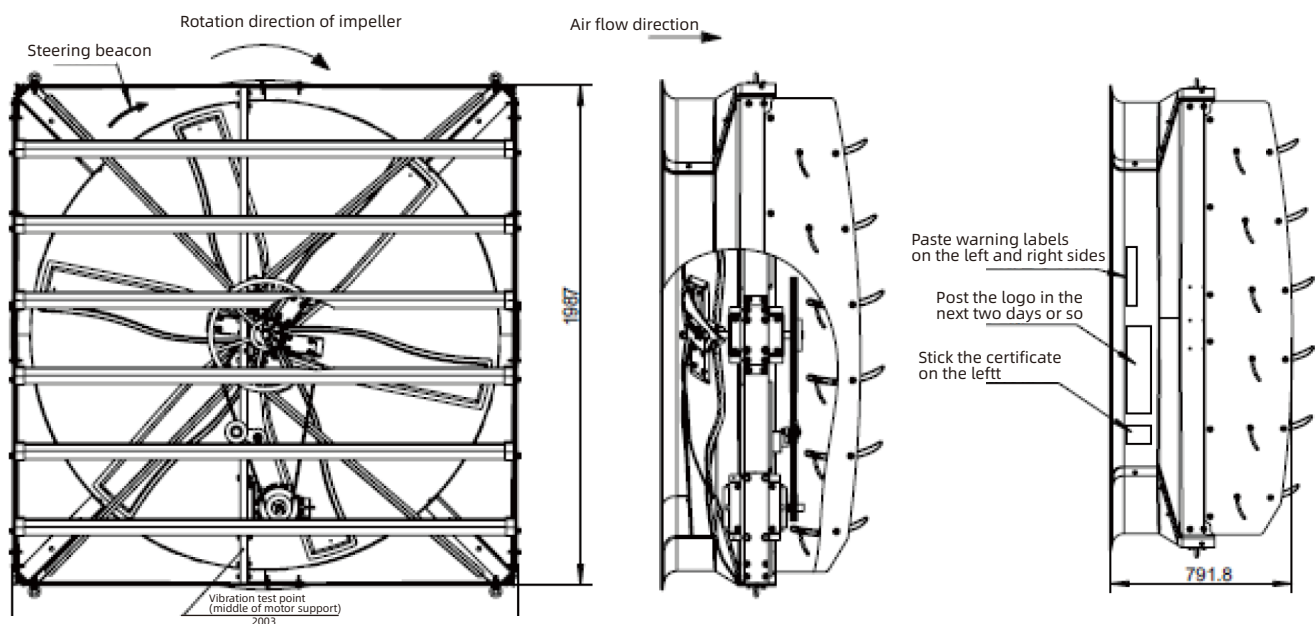
Operating temperatures from -25°C to +40°C, Operating humidity from 0% to 90% RH.

3.2 Storing temperature and humidity

Storing temperatures from -40°C to +60°C; In a clean and well-ventilated warehouse, Relative humidity should be $\leq 85\%$ and no corrosive gas exist.

4.0 Mechanical requirements

4.1 Dimension drawing



4.2 Impeller

Impeller is made of Alufer.

4.3 Motor

Internal rotor AC motor,

4.4 Balancing

At $330 \pm 10\%$ r/min running speed, the residual unbalance of the fan is not more than G6.3 (balancing precision grade), according with JB/T9101.

4.5 Vibration of the fan

Vibration speed virtual value of fans ≤ 5.4 mm/s, test method accord with ISO14694-2003.

4.6 Runout of impeller

Runout of impeller in axial and radial direction $\leq 4.0\text{mm}$.

4.7 Type of protection

Type of motor protection is IP55.

4.8 Life time

The life expectancy is 40000hours at rated voltage, ambient temperature of 40°C , and continuous operation of the fan at full speed. (According to the actual working conditions of the product, the life expectancy will be different).

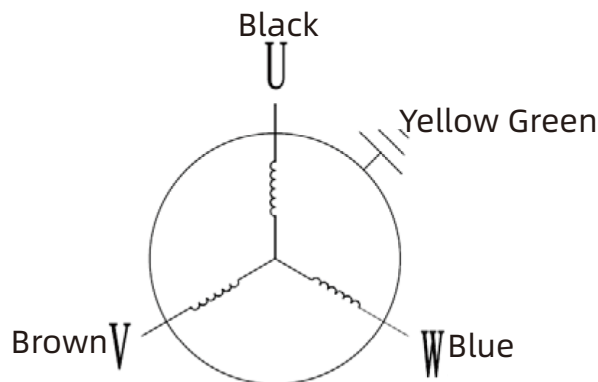
5.0 Fan performance

5.1 Rating data

Connect Way	Voltage [V]	Frequency [Hz]	Current draw [A] ($\pm 7\%$)	Power input [W] ($\pm 7\%$)	Speed [r/min] ($\pm 7\%$)	Air flow [m/s] ($\pm 7\%$)	Noise level [Lp dB(A)]	Insulation class	Remarks
Y	3~380	50	4.35	2230	330	85200	≤ 78	F	

6.0 Electrical performance

6.1 View lead connection



6.2 Voltage range

The fan is designed to operate at a nominal voltage of 3-380V but can be operated in the supply voltage range of 304 to 456V.

7.0 Quality requests

7.1 The project of comprehensive inspection

- (1) Di-electric strength test: Ground pressure 1800V/1 min has no flicker and no breakdown, In mass production can instead with 2100V/1s.
- (2) The direction of rotation: motor shaft side is CW.

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: The temperature rise in rated voltage $\leq 80K$ (refer to GB/T5171).
- (2) Air-flow: single fan open running, the air-flow in 0Pa were $85200(\pm 7\%) \text{ m}^3/\text{h}$ (refer to GB/T1236-2000) .
- (3) Running in low voltage: in 0.8 times rated voltage can normal start (refer to Q/FT-FJ008-2006).

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