

The logo for Krube, featuring the word "Krube" in a bold, black, sans-serif font. The letter "K" is stylized with a small orange and blue graphic element. 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-AC146-D400-18

1.Purpose

This specification provides part specific requirements and the Engineering Standard and/or Engineering requirements.

2.Engineering standard and safety regulations

2.1 Engineering standard

2.1.1 GB/T 12350 Safety requirements of small-power motors

2.1.2 JB/T 10563 Technical specification for general purposes centrifugal fans

2.1.3 EN 60335-1 Safety of household and similar electrical appliances

2.2 All material accord with RoHS.

3.Operating environment requirements

3.1 Operating temperature and humidity

Operating temperatures from -20°C to +55°C, Operating humidity from 5% to 85% RH.

3.2 Storing temperature and humidity

Storing temperatures from -25°C to +75°C, Storing humidity from 5% to 85% RH.

4.Fan weight

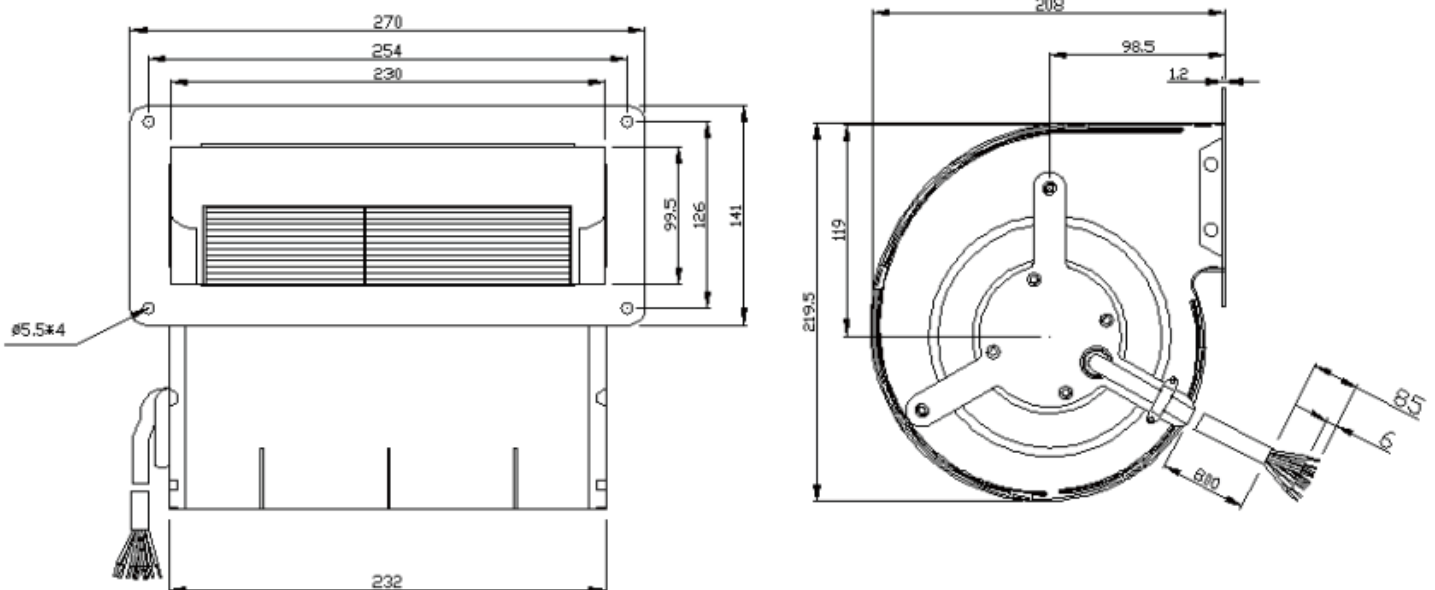
About 4.6kg/pcs.

5.Protection(Optional)

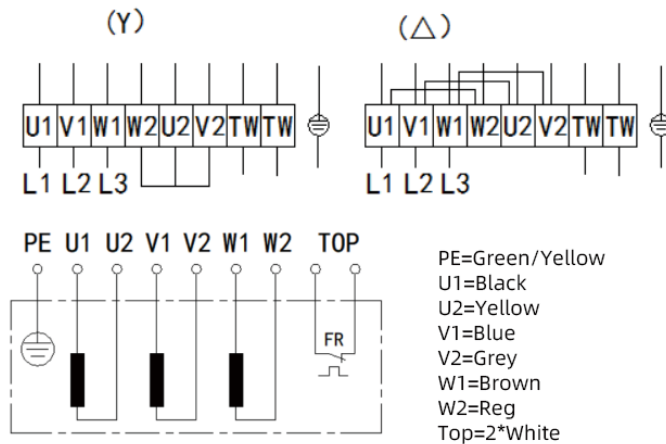
This motor with heat protection, cut off temperature: 125°C-135°C, replacement temperature: 65°C-95°C.

6.Mechanical requirements

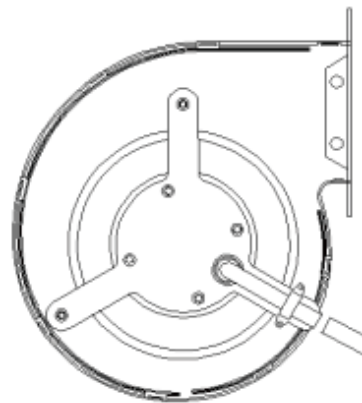
6.1 Dimension drawing



6.2 View lead connection



6.3 Installation direction description



The fan adopt shaft horizontal installation style.

6.4 Impeller

Impeller made of galvanized sheet steel.

6.5 Balancing

When the fan is running at $2700 \pm 10\%$ r/min, the dynamic balance accuracy of each end side is not lower than the balance quality grade G6.3.

6.6 Motor type of protection

Ingress protection class is IP00.

6.7 Life expectance

The life expectancy is 40,000 hours 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) .The warranty period is subject to the agreement agreed by both parties.

7.Fan performance

7.1 Rating data

7.1.1 Performance parameters of voltage 400VAC and frequency 50Hz

Voltage [VAC]	Frequency [Hz]	Current draw [A] ($\pm 10\%$)	Power input [W] ($\pm 10\%$)	Speed [r/min] ($\pm 10\%$)	(OPa) Airflow [m ³ /h] ($\pm 10\%$)	Insulation class
400	50	0.41	262	1890	870	F

7.1.2 Performance parameters of voltage 400VAC and frequency 60Hz

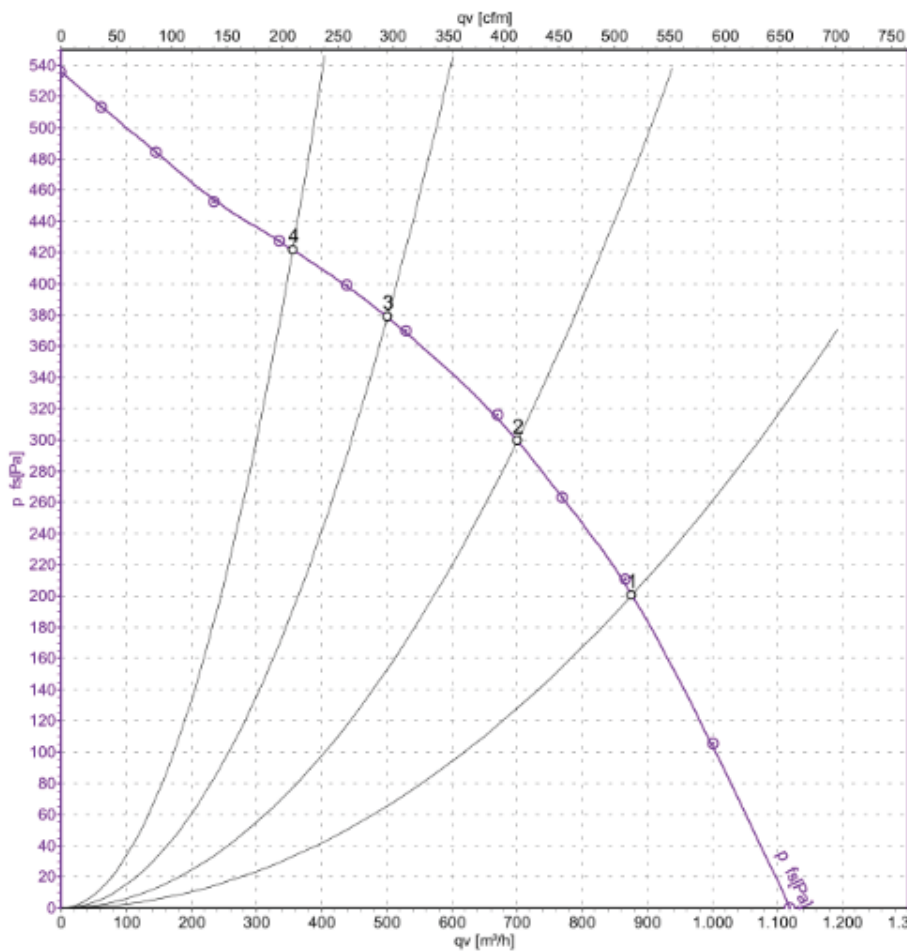
Voltage [VAC]	Frequency [Hz]	Current draw [A] ($\pm 10\%$)	Power input [W] ($\pm 10\%$)	Speed [r/min] ($\pm 10\%$)	(OPa) Airflow [m ³ /h] ($\pm 10\%$)	Insulation class
400	60	0.39	250	2340	590	F

Note: the nominal parameter is under the following situation in Fans-tech lab: Fan runs in open operation. The airflow is measured in the wind tunnel, the noise is tested in a horizontal-position in the noise test room, with 1m distance to the air inlet of the fan.

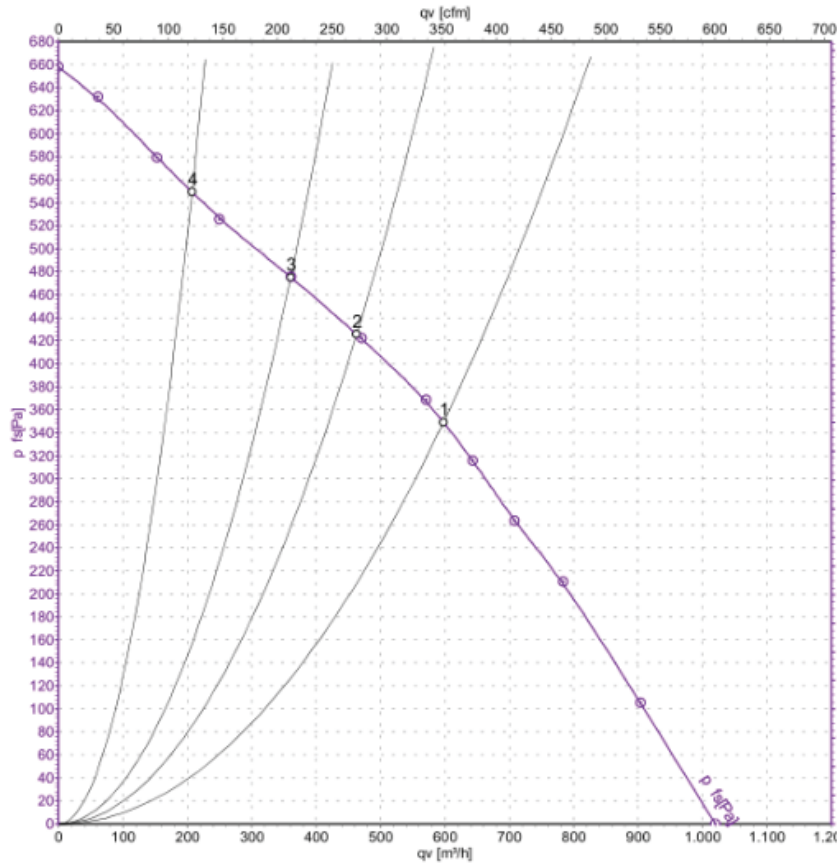
This product is designed to operate at voltages from 230VAC ~ 400VAC and frequencies from 50Hz ~60Hz.

7.2 Performance curve

7.2.1 Performance curve at voltage 400VAC frequency 50Hz



	U	F	N	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M ³ /h	Pa
1	400	50	1890	262	0.41	870	200
2	400	50	2160	220	0.35	690	300
3	400	50	2425	168	0.28	500	380
4	400	50	2450	140	0.23	356	420

7.2.2 Performance curve at voltage 400VAC frequency 60Hz


	U	F	N	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M ³ /h	Pa
1	400	60	2340	250	0.39	590	350
2	400	60	2570	220	0.35	460	425
3	400	60	2700	195	0.31	355	475
4	400	60	2850	170	0.28	200	550

8.Packaging and marks
8.1 Packaging

The package must have a defined size and a suitable structure to ensure that the fan will not be damaged.