

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-DC220-R110-35

1.General Specification

Item		Specification	Condition
1	Model No.	K-DC220-R110-35	
2	Outline Dimension	Φ220X71	
3	Rated Voltage	110VDC	
4	Operating voltage range	96~125VDC	
5	Rated Current	1.5A±10%	At Rated Voltage, 25°C, 65% RH, Free Air
6	Power Consumption	170W±10%	
7	Rotating Speed±10%	3500RPM±5%	
8	Max Airflow±10%	1100(m ³ /h)	At Rated Voltage AMCA-210-99 Standard
9	Max Static Pressure±10%	840Pa	
10	Noise Leve	76dB(A)	
11	Operation mode	S1 continuous working system	
12	No. of Pole	4Poles	
13	Rotating Direction	Clockwise rotation from the rotor end	
14	Structure type	Outer rotor	
15	Motor Type	DC Brushless	
16	Balance	G6.3	
17	Life L10 at 25°C	25000/hrs (Ordinary Humidity)	
18	Insulation	Class B	
19	Weight	1.4Kg	

2.Main Materials/Parts Specification

Materials/Parts		Specification
1	Housing	N/A
2	Impeller	PA6+GF
3	Bearing	NMB/NSK 6000Z
4	Lead Wire	Red(+), Blue(GND-) Yellow (PWM0-10VDC), White(FG)
5	Connector	N/A

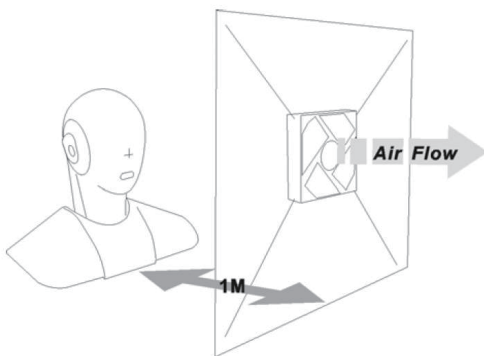
3. Electrical Specification

Item		Specification/Condition
1	Locked Rotor Protection	1.Auto power off after locked atrated voltage for 1 sec. 2. After auto power off, circuit attempt to restart in 2-6 sec.
2	Polarity Protection	Open circuit when Vcc& GND are exchanged. Circuit won't be burned within 5 seconds when Vcc& GND are exchanged.
3	Insulation Resistance	10MΩ/Between unshielded wire and frame at 500VDC/min
4	Dielectric Strength	5 mA Max./Measured between lead wire(+) and frame at 500 VAC/min

4. Environmental Specification

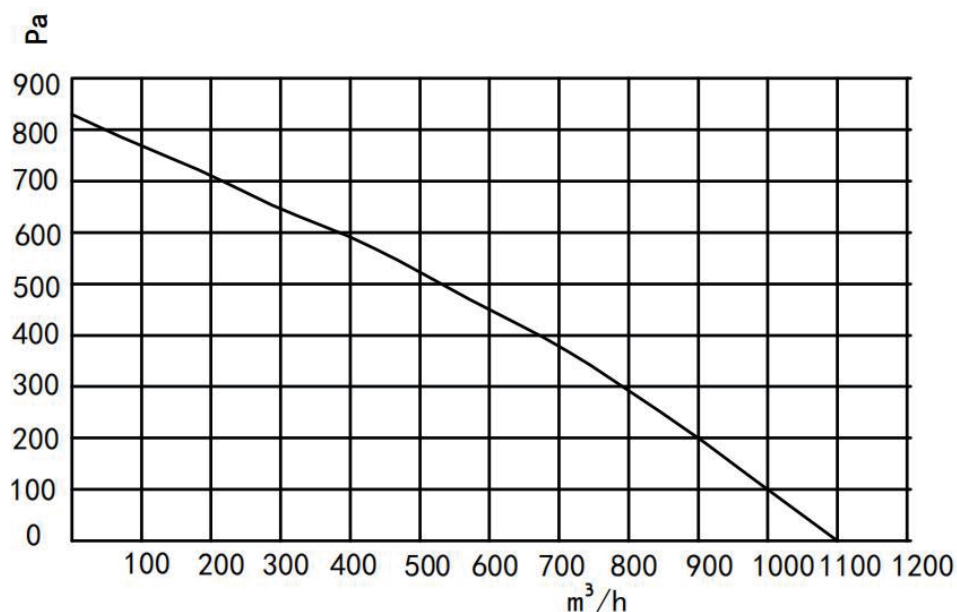
Item		Specification / Condition
1	Operating Temperature Range	-20°C~+60°C (normal humidity)
2	Storage Temperature Range	-20°C~+60°C (normal humidity)

5. Noise Measure Condition

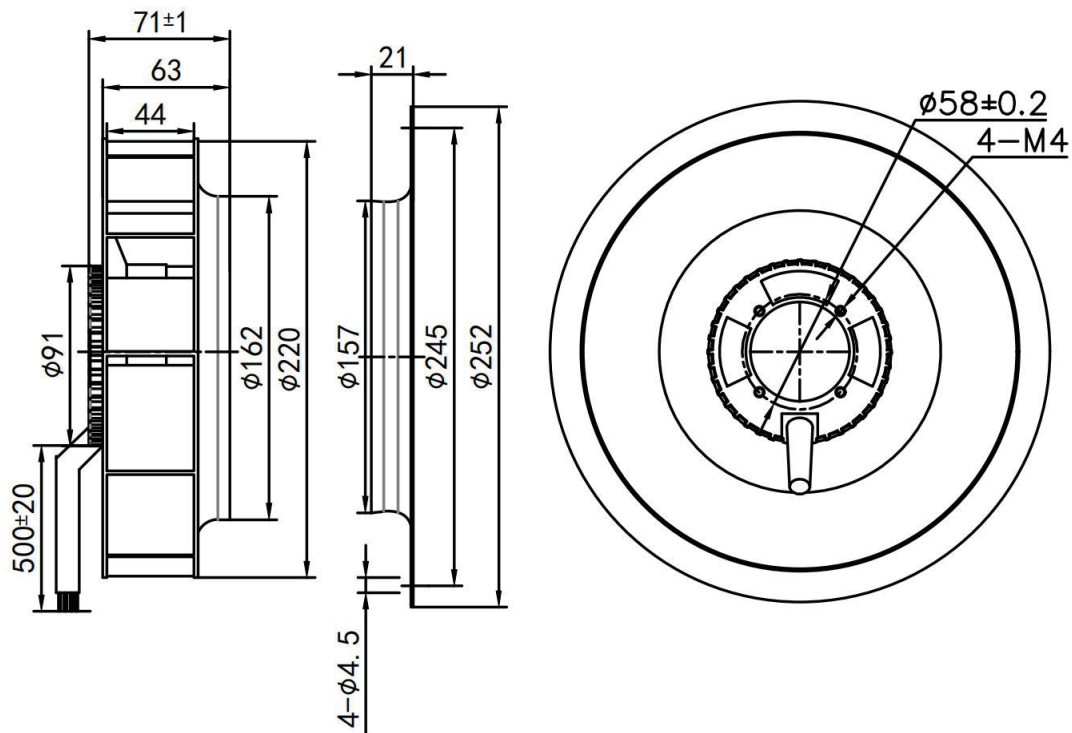


Measurement Systems
1.ANECHOIC Room Noise Measurement System.
2.Digital Head Measurement System, 16-bits version.
3.SQlab III, Mobile Multichannel Analysis System.
4.Specifications:ISO 3744, ISO 3745, ISO 7779, CNS 6753, JIS 8346
5.Background Noise: < 17dB(A)

6. Airflow Performance



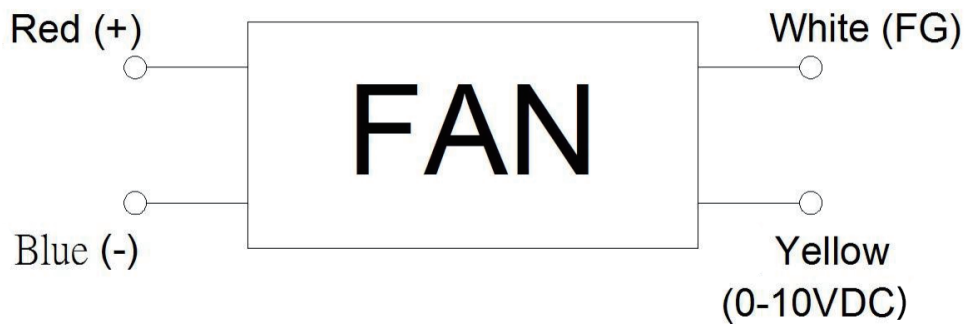
7.Outline Dimension



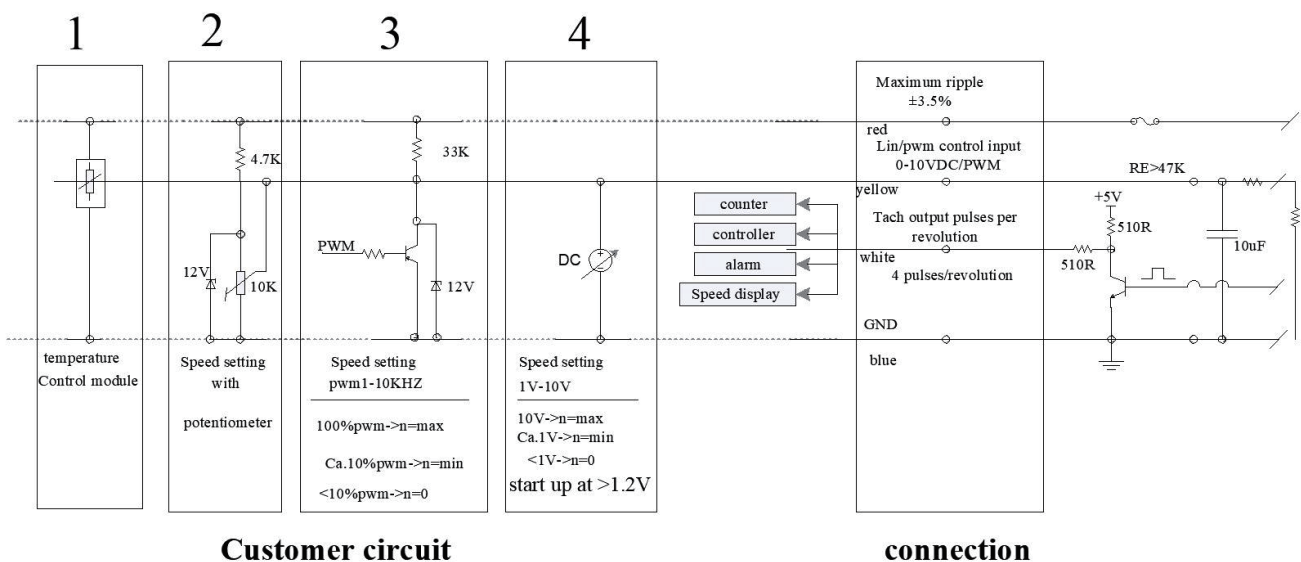
UNIT: mm

8.Connection

外部引线接线图



Speed control (0-10VDC) circuit diagram



9. Notes

- 1.1 Please do not touch and push Fan Blade with fingers or others, fan blade and bearings may be damaged and it causes noise defect.
- 1.2 Do not carry the fan by its lead wires.
- 1.3 Please don't install this fan in series with 2x voltage inputs. For example, if a single fan rated at 115VAC (12VDC), then don't install two of them in series with 230VAC (24VDC) input.
- 1.4 Fans are not suitable to be used in an environment that contains aggressive or corrosive fluids.
- 1.5 Always ensure that fan is stored according to the storage temperatures specified. Do not store in an environment with a high humidity level. If the fans were stored for longer than 6 months, it is highly recommended to apply functional testing before shipping.
- 1.6 During installation, caution should be taken when mounting the fan. Incorrect mounting can cause excess resonance, vibration and noise.
- 1.7 During testing it is important to consider safety at all times. A suitable guard should be fitted to the fan to prevent personal injury.
- 1.8 Unless otherwise stated, all tests are carried out at relative temperature and humidity conditions of 25°C, 65%RH.