

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-DC4010-A12-54**

1.General Specification

Item		Specification Condition	
1	Part No.	K-DC4010-A12-54	
2	Dimension	40×40×10mm	
3	Rated Voltage	12VDC	
4	Start-up Voltage	7VDC	
5	Operating Voltage	7~13.2VDC	
6	Rated Speed	5400RPM	±10%
7	Rated Current	0.09A	
8	Rated Power	1.0W	
9	Max Airflow	5.3CFM	
		9.01 M ³ /Min	
10	Max Static Pressure	0.12 Inch-H ₂ O	
		3.3 MM-H ₂ O	
11	Life Expectancy	70000hrs at 35°C	
12	Noise Level	27.5dB	
13	No. of Pole	4 Poles	
14	Waterproof	Three proof paint	

2.Electrical Specification

Item		Specification. Condition	
1	Locked Rotor Protection	<input type="checkbox"/> Safety Condition	
		<input checked="" type="checkbox"/> Auto power off after locked at rated voltage for 1sec After auto power off ,circuit attempt restart in 2 to 6sec	
2	Polarity Protection	<input checked="" type="checkbox"/> Open circuit when Vcc&GND are exchanged	
		<input type="checkbox"/> 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	5mA Max/ Measured b/w lead wire(+)and frame at 500VAC/min	
5	Special Function	<input checked="" type="checkbox"/> Soft Start	<input type="checkbox"/> Current Limiter

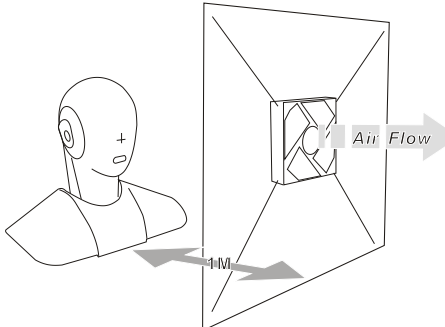

3.Main Materials, Parts Specification

1	Bearing	<input checked="" type="checkbox"/> Dual Ball Bearing		<input type="checkbox"/> Sleeve Bearing	
2	Frame	<input checked="" type="checkbox"/> PBT of UL94V-0		<input type="checkbox"/> Die-cast Aluminum Alloy	
3	Impeller	<input checked="" type="checkbox"/> PBT of UL94V-0		<input type="checkbox"/> Steel	
4	Bobbin	<input type="checkbox"/> PBT of UL94V-0			
5	Lead Wire	<input checked="" type="checkbox"/> Red(+)	<input checked="" type="checkbox"/> Black(-)	<input type="checkbox"/> Blue (FG)	UL1061 AWG-26#
		<input type="checkbox"/> Yellow(PWM)	<input type="checkbox"/> White(GND)		2 wires 300±10mm
6	Connector	NO			
7	Tube	NO			

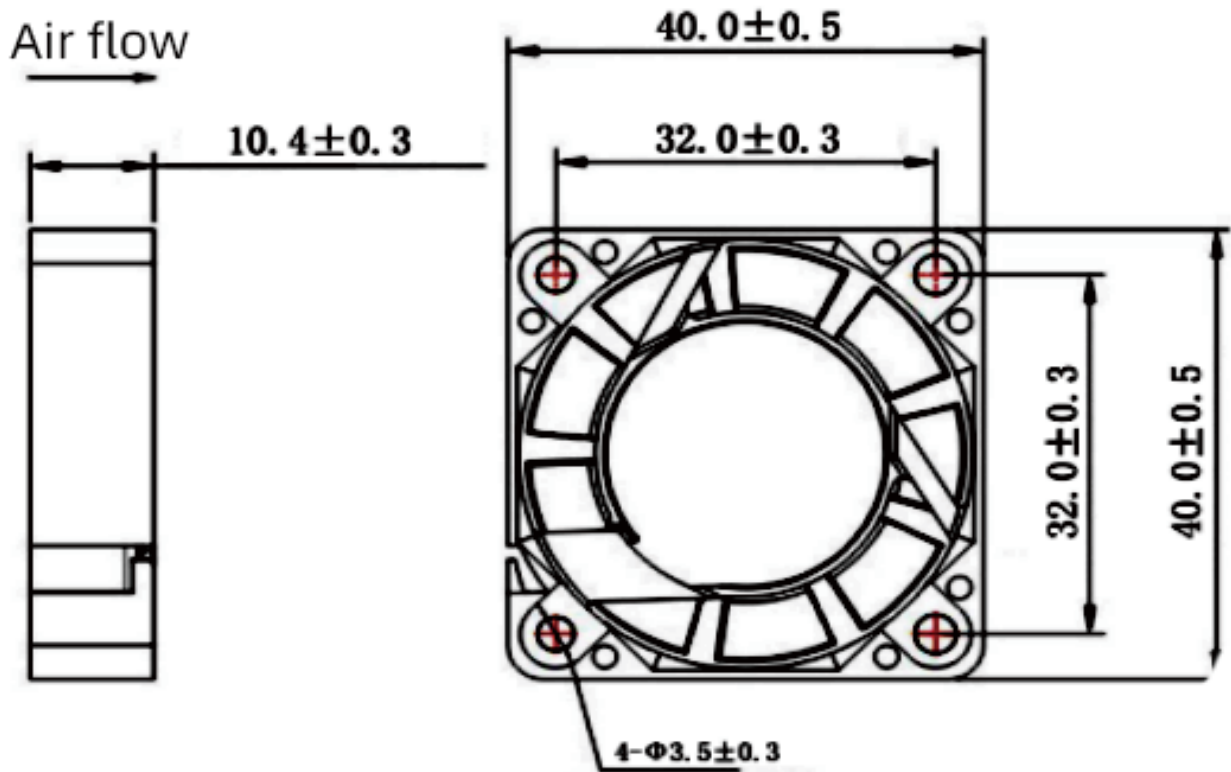
4.Environmental Specification

Item		Specification. Condition
1	Operating Temp. Range	Temperature: -20 °C ~70°C
		Humidity:15%~ 65% RH (Frost Eliminated)
2	Storage Temp. Range	Temperature: -25 °C ~75°C
		Humidity:15%~ 65% RH (Frost Eliminated)

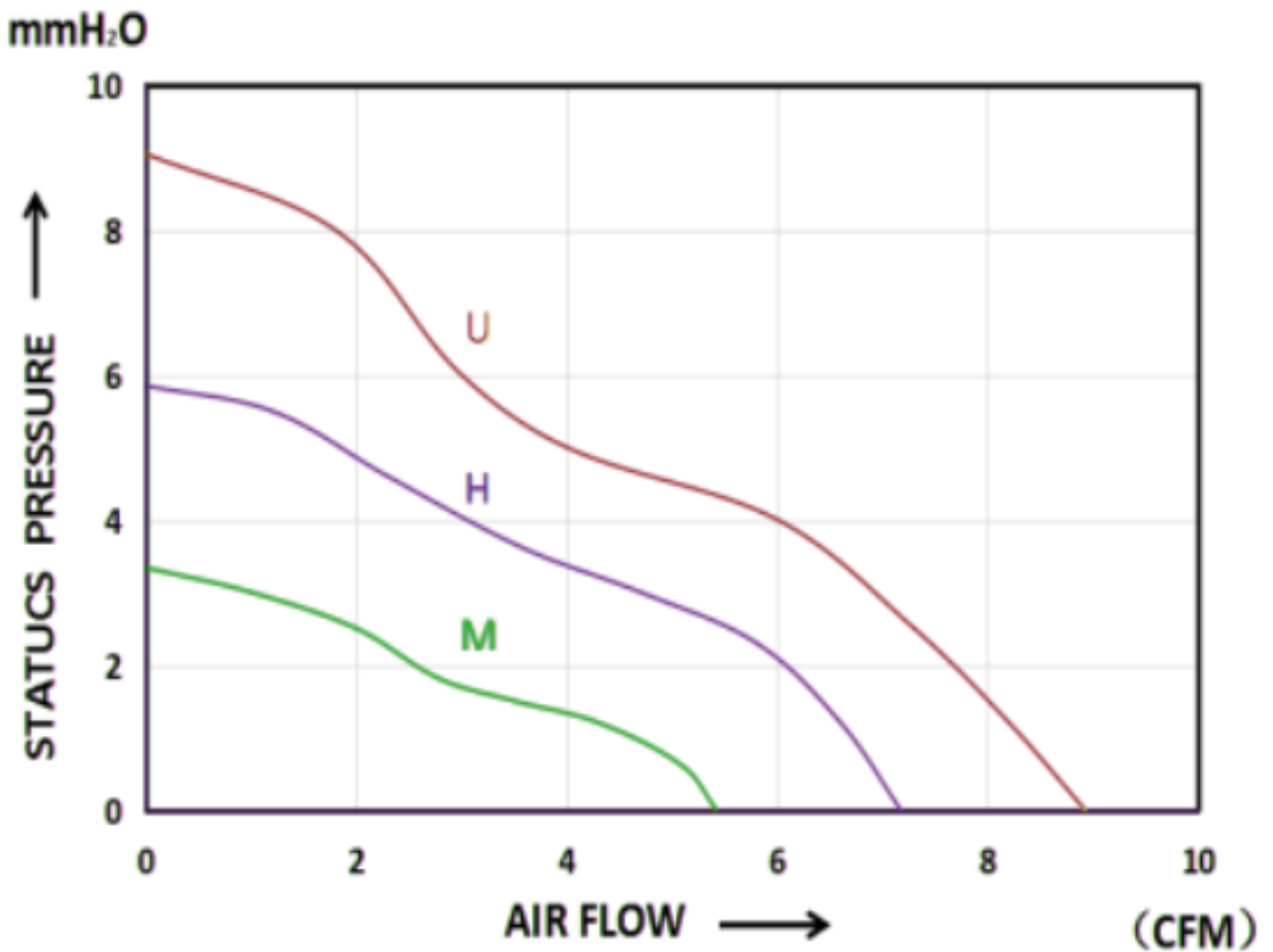
5.Noise Measure Condition

Measurement Systems	
1.ANECHOIC Room Noise Measurement System	
2.Digital Head Measurement System, 16-bit version	
3.Specifications:ISO 3744,ISO 3745,ISO 7779, CNS6753,JIS 8346	
4.Background Noise: < 18dB(A)	
	

6.Outline Dimension(Unit:mm)



7. Air volume curve



8.Note

- (1) We will not guarantee the products if your application exceeds the limitations outlined in this specification.
- (2) Please do not touch and push fan blade with fingers or others. Fan blade and ball bearings may be damaged. And it caused noise defect.
- (3) Please avoid operating SZR products in poisonous material(organic, cyanogens, formalin, phenol, etc.)or corrosive gas environment(H₂S, SO₂, NO₂,etc).
- (4) We do not warrant performance safety against accidents caused by dust, water, droplets dew, bugs, etc.
- (5) Always ensure that fans are stored according to the storage temperatures specified. Do not store in a high humidity environment. If the fans are stored for more than 6 months, we recommend functional testing before using.
- (6) Please do not damage this product this product including coil and lead wires while installing or wiring. There may be smoking or fire.
- (7) Avoid the damage, check the correct voltage and proper polarity before connecting with power.
- (8) Improper mounting may cause harsh resonance, vibration, and noise. Please mount securely.
- (9)It is very important to notify that avoid to drop from 60cm height when in any movement or operation, it will impact the balance of blade. Especially ball bearing structure is avoided to drop down.
- (10) Safety is a top priority. Please furnish guard accessories to prevent injury to personnel