COOLTRON®
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SPECIFICATION FOR APPROVAL

CUSTOMER: _____

MODEL: A2V16C62TBT-1CB

DESCRIPTION: AC AXIAL FAN

DRAWN BY: DAVID WANG

CHECKED BY: JOE LEE

AUTHORIZED SIGNATURE: _____

CUSTOMER APPROVAL: _____

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MODEL NO.: **A2V16C62TBT-1CB**

DESCRIPTION: **AC AXIAL FAN**

GENERAL SPECIFICATIONS

01	Outline Dimension	160x160x62 mm		
02	Rated Voltage	230 VAC		
03	Voltage Range	185 ~ 245 VAC		
04	Frequency	50/60 Hz		
05	Rated Current	0.23/0.25 A	± 10%	a. Rated Voltage b. 25°C c. 60~80%RH
06	Power Consumption	51/57 W		
07	Speed	2900/3400 ± 10% RPM		25°C，60~80%RH
08	Max. Air Flow	261/305 CFM		25°C，60~80%RH
09	Max. Static Pressure	0.58/0.77 Inch-H_2O		25°C，60~80%RH
10	Noise Level @ 1M	60/64 dB(A)		
11	Rotating Direction	Counter-Clockwise viewed from front of Fan Blade		
12	Operating Temperature	-20°C ~ +80°C		
13	Storage Temperature	-40°C ~ +100°C		
14	Bearing System	Dual Ball Bearing		
15	Termination	Terminal		
16	Insulation	Class B (Optional: Class F)		
17	Weight	1400 G		
18	Safety Approvals	CE	UL	CUL
		CE		

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CHARACTERISTICS

01	Motor Design	AC Induction Capacitor Motor
02	Insulation Resistance	100 Meg ohms Minimum at 500VDC
03	Dielectric Strength	1500 VAC for one minute.
04	Motor Protection	Thermally Protected
05	Noise Level	Measured in a semi-anechoic chamber with background noise level below 6.8dB(A). The fan is running in free air with microphone at a distance of one meter from the fan intake
06	Air Performance	Measured by a double chamber. The value are recorded when the fan speed is stabilized at rated voltage.
07	Vibration	Vibration of acceleration 1.5G and Frequency 5~50~5Hz is applied in the 3 directions(X,Y,Z) for 30 minutes, each Direction at the cycle of 1 minute.

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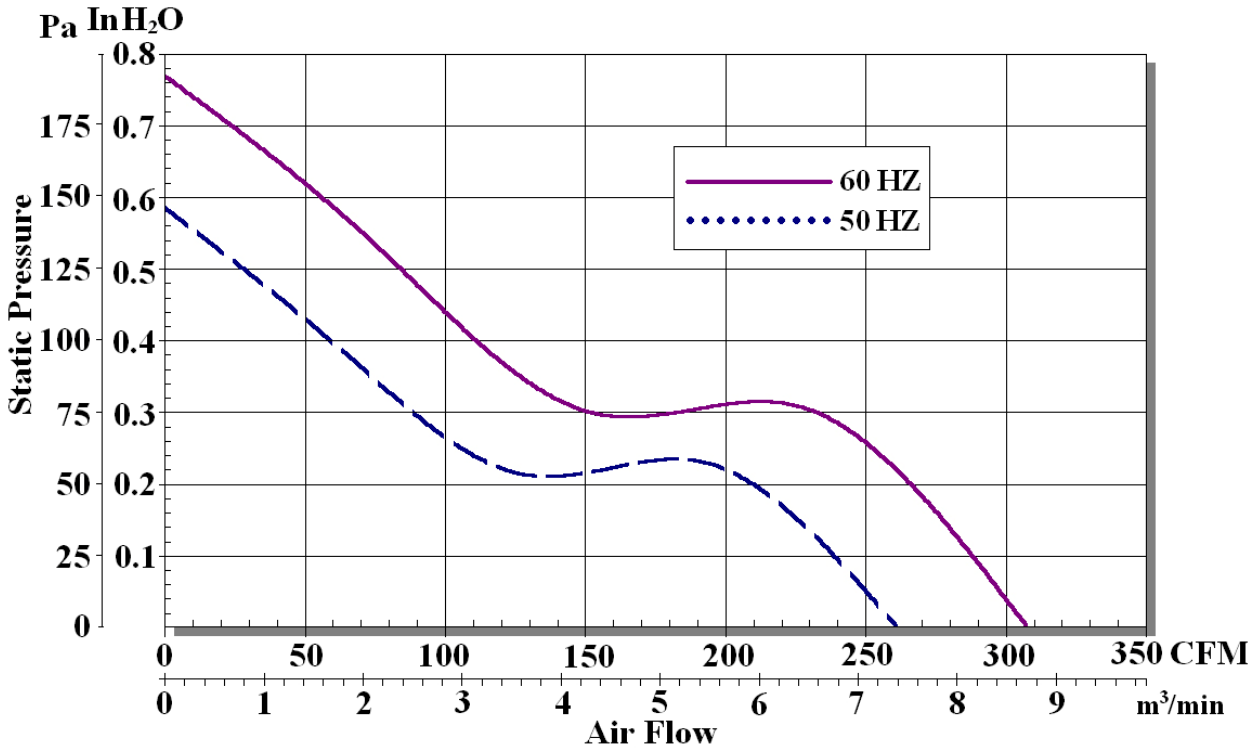
PERFORMANCE CURVES



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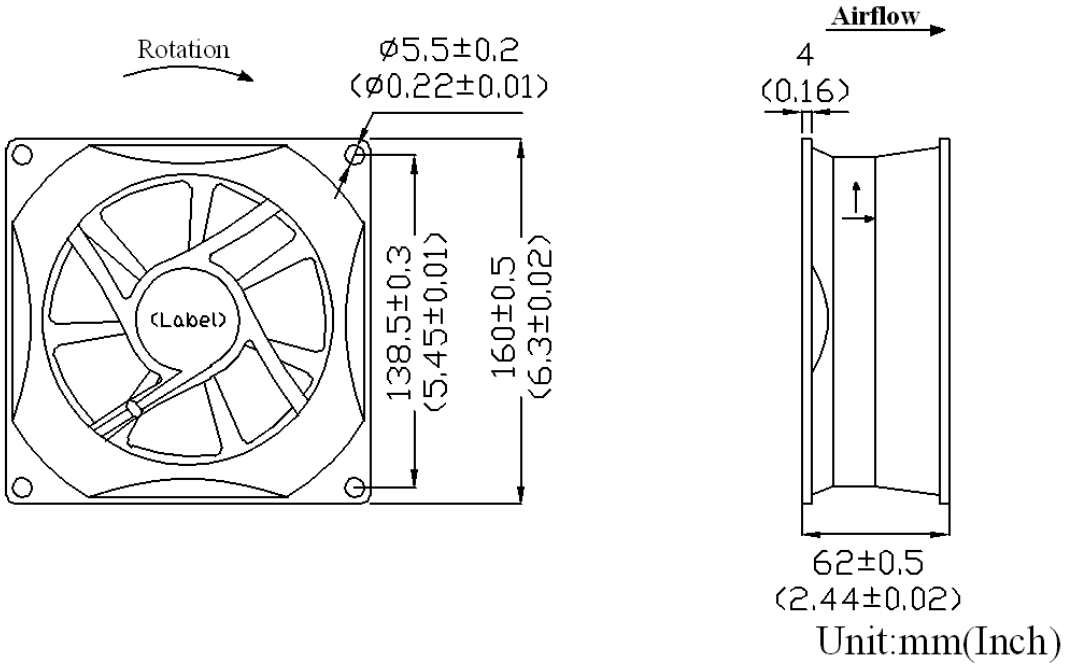
MAIN MATERIAL

Housing: Die-cast Aluminum, Painted Black

Impeller: Injection Molded of Flame Retardant polycarbonate, Black

OUTLINE DIMENSIONS

Outline Dimension



Unit:mm(Inch)

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FAN PHOTO

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REMARKS

1. **SHYUAN YA will not assume responsibility for the performance of the products if the application conditions falls outside the parameters stated forth in this specification.**
2. **A written request should be submitted to SHYUAN YA prior to approval if abnormality and deviation from this specification is required.**
3. **Please be cautious when fan is being exercised or handled. Damages may be resulted when apply pressure to the impeller or hold the fan by the lead wires or drop the fans to the production platform.**
4. **With exception of suitability of some particular designs, any failure and problems regarding safety of the product caused by the introduction of powder, droplets of water or encroachment of insert in the hub are not guaranteed.**
5. **All general specifications and quality values are measured under condition of free air and fan vertical set up. SHYUAN YA highly suggests to practice a test when fan apply to a special application.**
6. **SHYUAN YA fans are not suitable to be used in an environment that contains aggressive or corrosive fluids.**
7. **Always ensure that fans are 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.**
8. **Except for the feature of the Lock Rotor Protection specifically stated, this feature is not applied to all fans. SHYUAN YA highly suggests not to stop the impellers of the working fans such interruption will cause adverse effect.**
9. **During installation, please be cautious. SHYUAN YA is not responsible for any excess resonance, vibration and subsequent noise caused by incorrect mounting of fans.**
10. **During testing it is important to consider safety at all times. A suitable guard should be fitted to the fan to prevent personal injury.**
11. **All test environments are conducted under the condition of relative(ambient) temperature and humidity at 25℃, 60~80%RH. The test result stated above is effective only for unique fan performance.**
12. **The above conditions are examples of extreme application. However they are very important and should receive top priority.**