

Sofasco Inc.

SPECIFICATION FOR APPROVAL

CUSTOMER :

PARTS : AC Cooling Fan

MODEL NO. : A17251V1MBT-RD



Please confirm your acceptance of this specification for approval with signature.

CUSTOMER APPROVED SIGNATURE	SOFASCO INC. CHECKED BY
	<i>Ms. Lily Yang</i>
DATE:	DATE: Dec. 23, 2009



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PRODUCT SPECIFICATION

A. General Specification

Item		Specification	Condition
1	Model No.	A17251V1MBT-RD	
2	Outline Dimension	172X151X51mm (6.77"X6"X2")	
3	Rated Voltage	AC 115 V	
4	Rated Current	0.3/0.3 A	At Rated Voltage, 25°C, 65% RH
5	Power Consumption	33/33 W	At Rated Voltage, 25°C, 65% RH
6	Speed	2600/3300 RPM	At Rated Voltage, 25°C, 65% RH Free Air
7	Max. Airflow	190/242 CFM	At Rated Voltage AMCA Standard
8	Max. Static Pressure	16/18.6 mm-H ₂ O	At Rated Current
9	Noise Level	50 dB(A)	At Rated Voltage Measured in a non-echo Chamber CNS 8753 Standard ISO 3744 Test Condition
10	Life	50,000/hrs at 25°C	MTBF (Mean Time Between Failures) Conf. Level 90%
11	No. of Blade	5 blades	
12	No. of Pole		
13	Rotating Direction	Anticlockwise View From Label Side	
14	Tolerance	± 10%	At Rated Voltage
15	Weight	1050 g	
16	Motor Type	Capacitor motor	
17	Operating Voltage	85VAC TO 125VAC	
18	SAFETY	THERMALLY PROTECTED (AUTO RESTART)	
19	Signal Output	ROTATION DETECTOR (RD)	

B. Main Materials / Parts Specification

Materials / Parts		Specification
1	HOUSING	DIE-CAST ALUMINUM, PAINTED BLACK
2	IMPELLER	THERMOPLASTIC PBT, UL94V-0
3	Bearing	Ball Bearing
4	Connecting	Terminal for AC power supply, 3 Lead Wires for Signal-Rotation Detector(RD) function
5	Connector	None

C. Safety Approvals :

Safety Approvals	File No.	Safety Approvals	File No.
CE		UL	E196756

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D. Environmental Specification

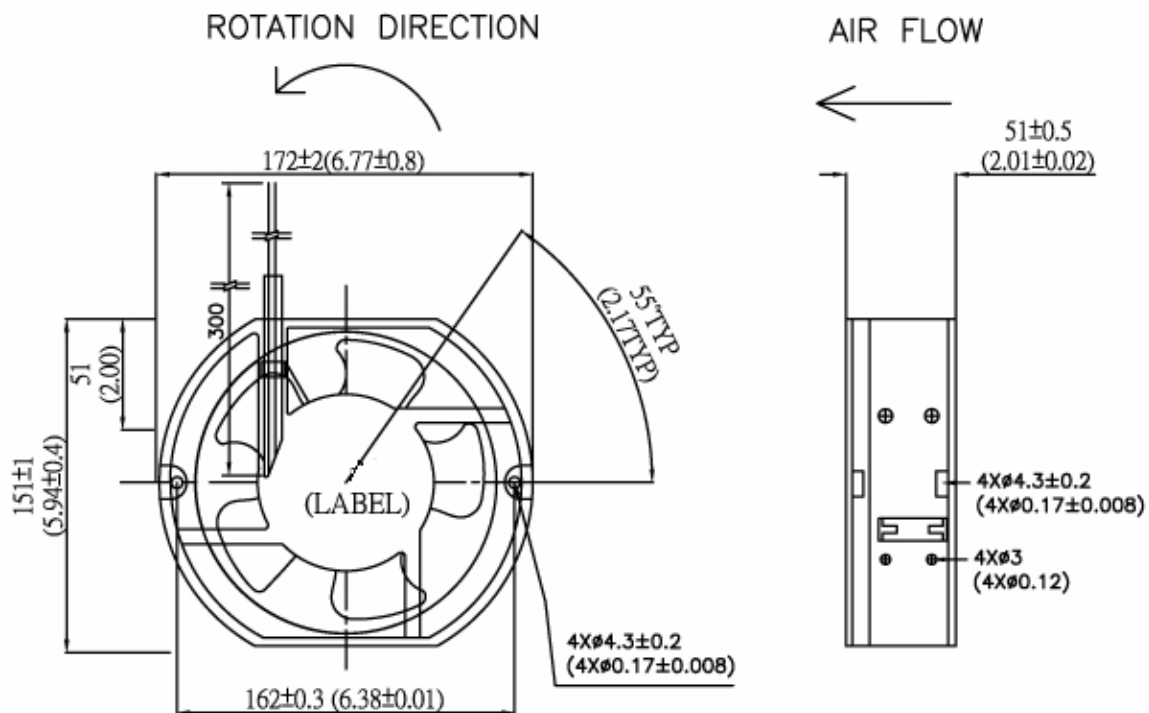
Item		Specification / Condition
1	Operating Temp. Range	Temperature : -20°C - 80°C Humidity : 35% - 85% RH
2	Storage Temperature	Temperature : -20°C - 85°C Humidity : 35% - 85% RH
3	Humidity	Per MIL-STD 202F Method 103B; Life: 96 hours; Humidity : 95% RH; Temperature: 40 ± 2°C
4	Thermal Shock	Per MIL-STD 202F Method 107D, Condition D
5	Insulation Shock	CLASS B
6	Packing Vibration Test	Packing Condition: X, Y, Z 3directions, 1.1 G load vibration test for 30 min.
7	Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60 cm high packing

E. Electrical Specification

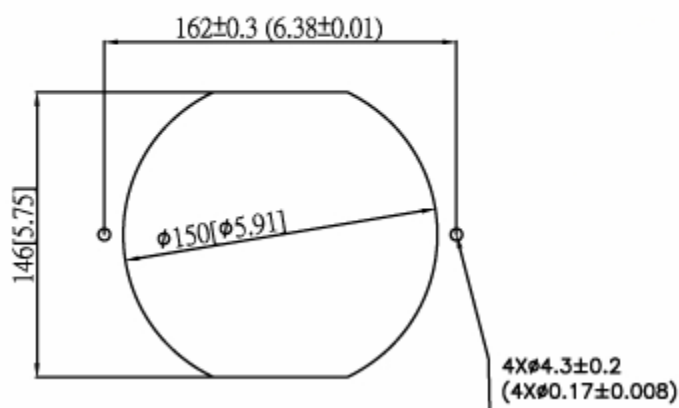
Item		Specification/Condition
1	Insulation Resistance	10MΩ between frame and unshielded wire at 500VDC/min
2	Dielectric Strength	5mA Max. / Measured b/w lead wire (+) and frame at 500VAC/min
3	Locker Rotor Protection	a. No damage will be made for a continuous 72-hour rotation lock at rated voltage. b. Signal Alarm-Optional
4	Polarity Protection	Circuit is protected when Vcc & GND are exchanged.

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F. Outline Dimension

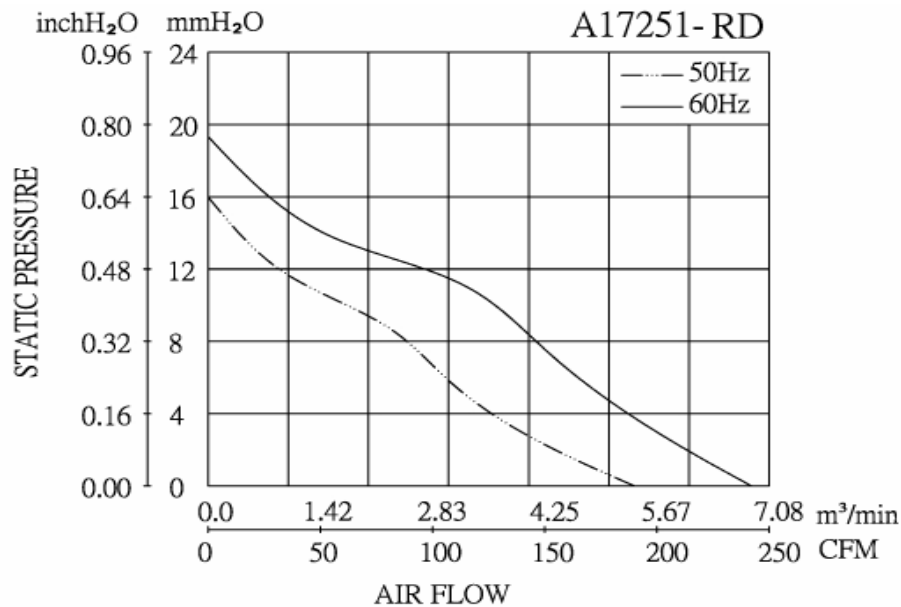


Mountion Panel Cutout Outlet Side & Inlet Side

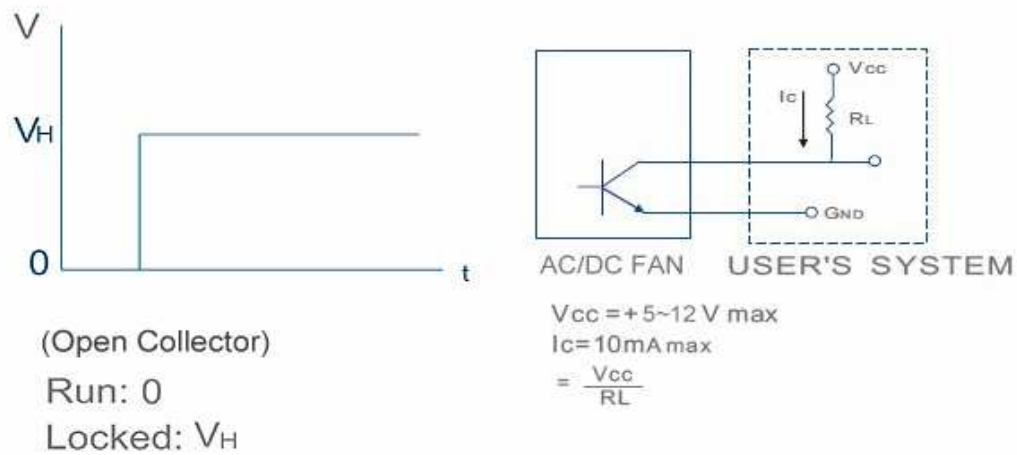


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G. Air Performance



H. Connection Methods :



RD Wiring Diagram

