

ACTIVA INC.

SPECIFICATION SHEET



MODEL NO. :	A12038V2HBT-S
DESCRIPTION :	AC COOLING FAN
VERSION :	A
RELEASED DATE :	2011.3.9

APPROVED BY	CHECKED BY	PREPARED BY
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	2011.3.9	2011.3.9

SYMBANG



ACTIVA INC.

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PRODUCT SPECIFICATION

A. General Specification

Item		Specification		Condition	
1	Model No.	A12038V2HBT-S			
2	Outline Dimension	120 x 120 x 38 mm			
3	Rated Voltage	AC 230 V			
4	Operating Voltage Range	AC 185~245 V			
5	Start Voltage	AC 185 V			
6	Frequency	50/60 Hz			
7	Rated Current	0.13/0.12 A	+10%	At Rated Voltage, 25°C, 65% RH, Free Air	
8	Power Consumption	21.4/18.7 W			
9	Rotating Speed	2650/3000 RPM ±10%		At Rated Voltage, 25°C, 65% RH, Free Air	
10	Max. Airflow	88/107 CFM		At Rated Voltage AMCA A210 Standard At Rated Current	
11	Max. Static Pressure	5.8/7.0 mmH ₂ O			
12	Noise Level	42 dB(A)		At Rated Voltage Measured in a non-echo Chamber CNS 8753 Standard ISO 3744 Test Condition	
13	Life	50,000hrs at 25°C		MTBF (Mean Time Between Failures) Conf. Level 65%	
14	No. of Blade	5 Blades			
15	No. of Pole	2 Poles			
16	Rotating Direction	Clockwise View From Label Side			
17	Weight	550 g			
18	Motor Type	Shaded Pole Motor			
19	Safety	Impedance Protected			

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B. Main Materials / Parts Specification

Materials / Parts		Specification
1	Housing	Aluminum Die Casting, Painted Black
2	Blade	Thermoplastic PBT, UL94V-0
3	Bearing	Ball Bearing
4	Termination	Terminals
5	Connector	N/A

C. Safety Approvals

Safety Approvals	UL	TUV	
File Number	E193733	N/A	

D. Environmental Specification

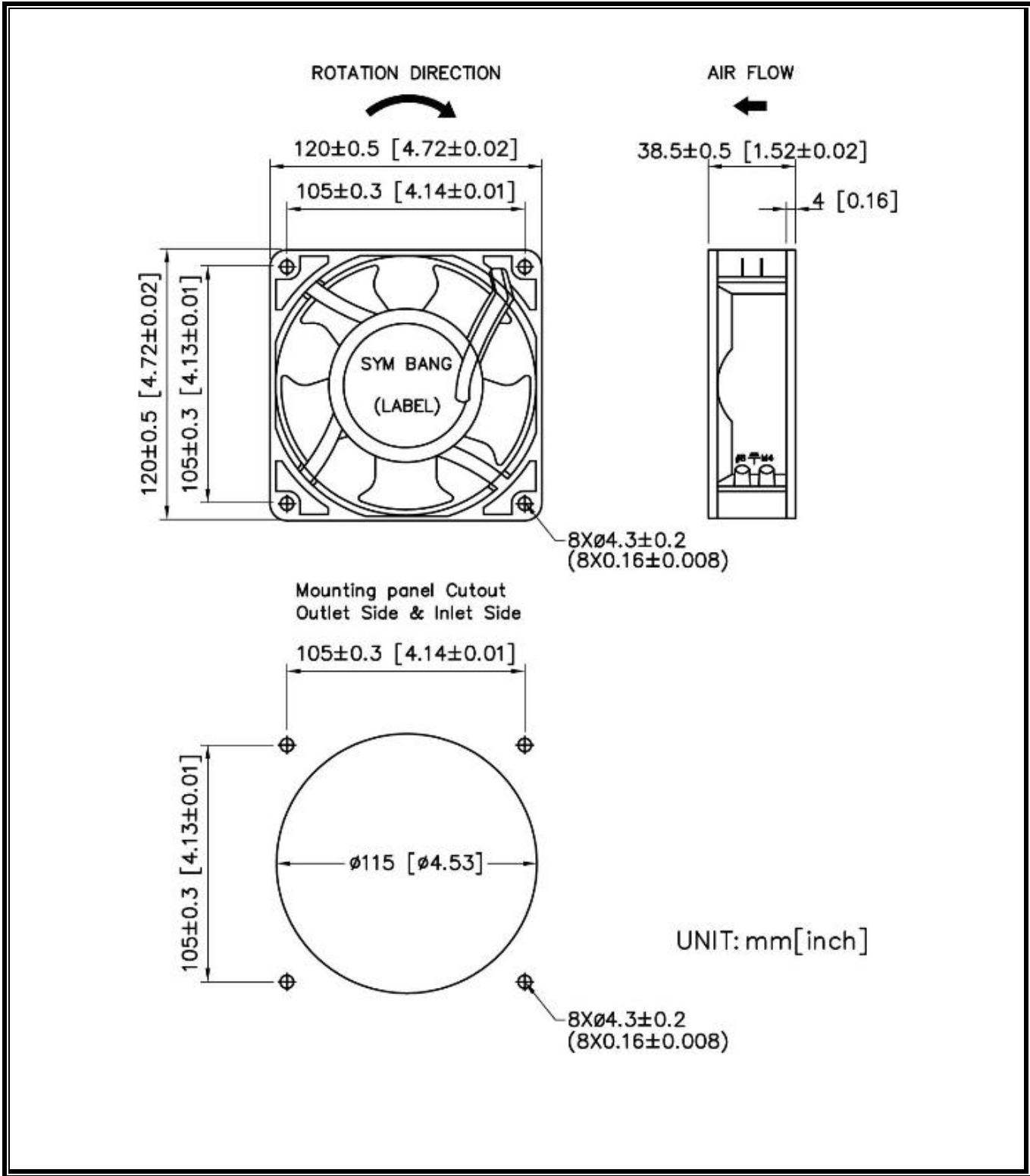
Item		Specification / Condition
1	Operating Temp. Range	Temperature : -10°C ~ + 70°C Humidity : 15% - 90% RH (Frost Eliminated)
2	Storage Temperature	Temperature -20°C to +70 °C Humidity : 15% - 90% RH (Frost Eliminated)
3	Humidity	After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 103B humidity test, the measured data on insulation resistance and dielectric strength shall meet the specification.
4	Thermal Shock	Per MIL-STD 202F Method 107D, Condition D
5	Insulation Shock	Class A

E. Electrical Specification

Item		Specification/Condition
1	Insulation Resistance	10MΩ/Between unshielded wire and frame at 500 VDC\min
2	Dielectric Strength	5mA Max./Measured b\w lead wire (+) and frame at 500 VAC\min

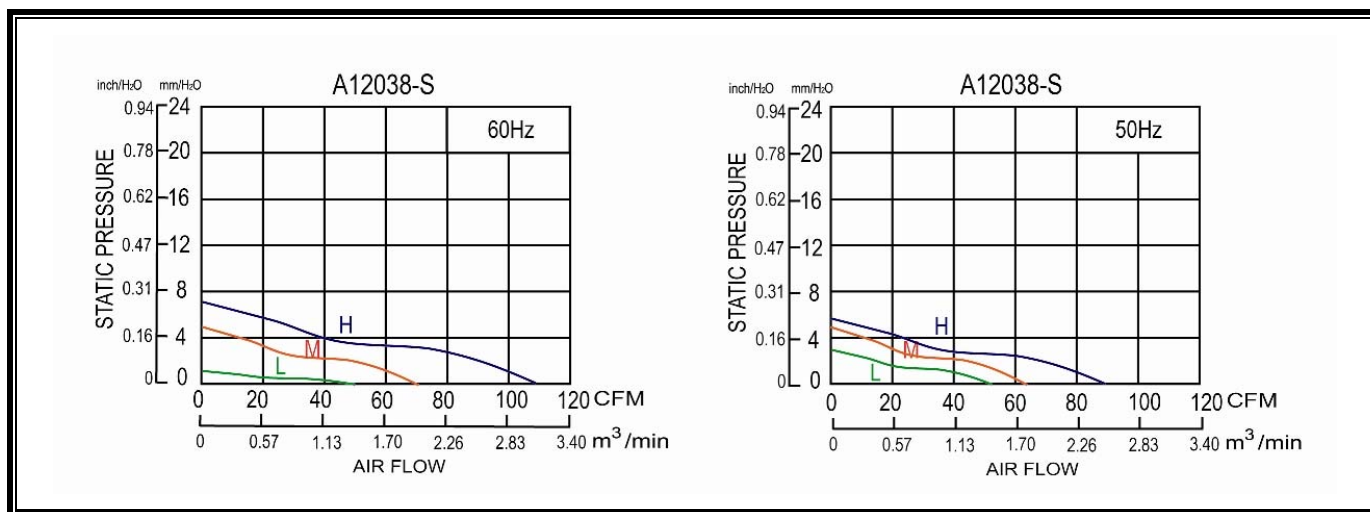
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F. Outline Dimension



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G. Airflow Performance



H. 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 If the AC fan or DC fan which with signal functions does not have the polarity protection function, the connection of the colored wires should be red + red, and black + black, or else.
- 1.4 For the models without reverse connection of polarity protection, please do not connect the lead wire in reverse.
- 1.5 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. Should receive top priority.