

ACTIVA INC.

**SPECIFICATION
SHEET**



MODEL NO. :	A12025V2HBT-S
DESCRIPTION :	AC COOLING FAN
VERSION :	A
RELEASED DATE :	2017.12.01

APPROVED BY	PREPARED BY
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2017.12.01	2017.12.01

SYMBANG



ACTIVA INC.

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PRODUCT SPECIFICATION

A. General Specification

Item		Specification	Condition
1	Model No.	A12025V2HBT-S	
2	Outline Dimension	120 x 120 x 25 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	0.03/0.02 A +10%	At Rated Voltage, 25°C, 65% RH, Free Air
8	Power Consumption	5.0/4.5 W +10%	
9	Rotating Speed	2000/1750 RPM ±10%	At Rated Voltage, 25°C, 65% RH, Free Air
10	Max. Airflow	43/33 CFM 1.22/0.95 m ³ /min	At Rated Voltage AMCA 210 Standard At Rated Current
11	Max. Static Pressure	3.5/3.0 mmH ₂ O 0.14/0.12 inchH ₂ O	
12	Noise Level	36/31 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	
14	No. of Blade	5 Blades	
15	No. of Pole	2 Poles	
16	Rotating Direction	Clockwise View From Label Side	
17	Weight	390 g	
18	Motor Type	Shaded Pole Motor	
19	Safety Protection	Impedance Protected	
20	Signal Output	N/A	

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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 Bearings
4	Termination	Terminal
5	Connector	N/A

C. Safety Approvals

Safety Approvals	UL	TUV	
File Number	E193733	N/A	

D. Environmental Specification

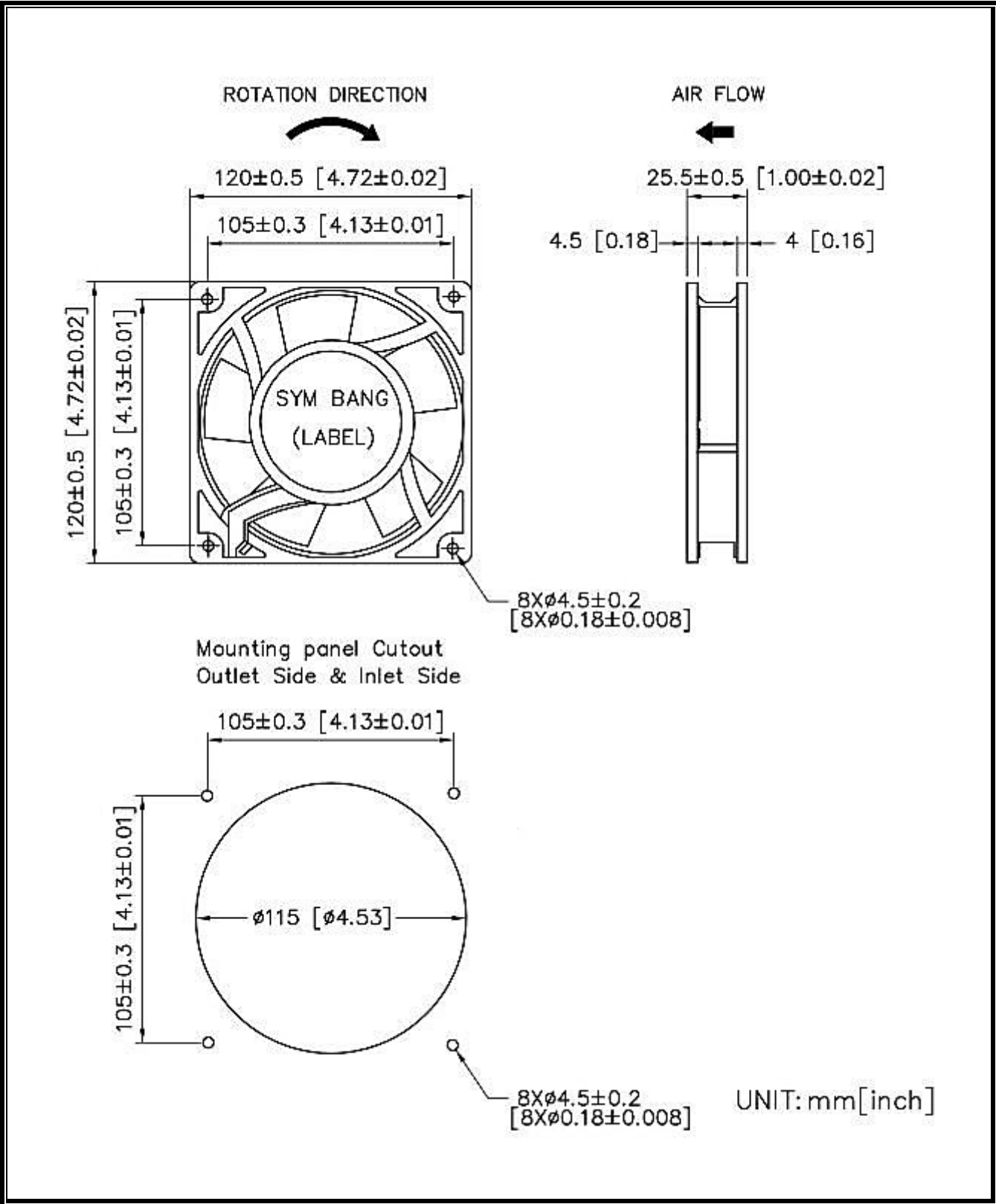
Item		Specification / Condition
1	Operating Temp. Range	Temperature : -10°C ~ + 70°C
2	Storage Temperature	All function shall be normal after 500 hours storage at -20°C to +70°C with a 24 hours recovery period at room temperature.
3	Humidity Test	After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 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	Minimum 10MΩ Between frame and AC lead wire / terminal at 500VDC for 60 seconds
2	Dielectric Strength	Maximum leakage 5mA between frame and AC lead wire / terminal at 1.5K VAC for 1 seconds.

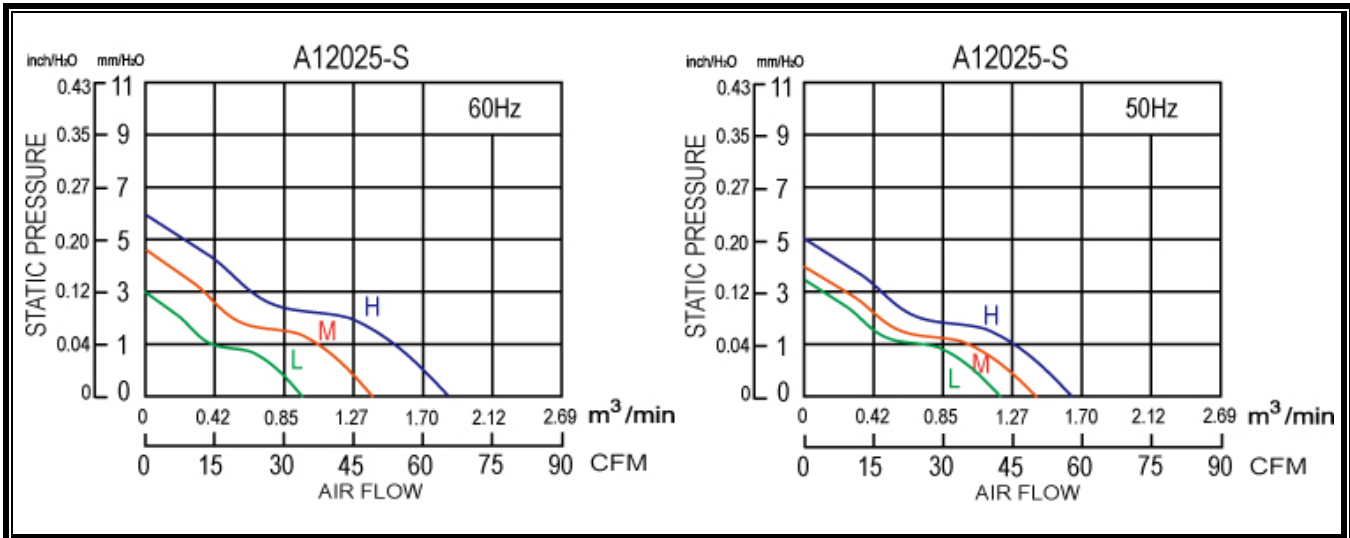
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F. Outline Dimension



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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.
- 1.6 Activa Inc has reserves the right to substitute the specification without prior notice.