ACTIVA INC.

SPECIFICATION SHEET

MODEL NO. :	**A12038V2HBLM-B**
DESCRIPTION :	**AC COOLING FAN**
VERSION :	**A**
RELASED DATE :	**2022.12.02**

APPROVED BY	PREPARED BY
Clouder Hsia	*Ken Lee*
2022.12.02	2022.12.02

SYM BANG

ACTIVA INC.

9F-1,472,Chung San 2nd Road, Kaohsiung 800, Taiwan, R.O.C.

Tel: 886-7-2824356 Fax: 886-7-2414287 E-Mail: info@symbang.com.tw

Web Site: http://www.activa.com.tw http://www.symbang.com.tw

ACTIVA INC.
PRODUCT SPECIFICATION

A. General Specification

Item		Specification			Condition
1	Model No.	A12038V2HBLM-B			
2	Outline Dimension	120 x 120 x 38	mm		
3	Rated Voltage	AC 220	V		
4	Operating Voltage Range	AC 200 ~ 240	V		
5	Start Voltage	AC 200	V		
6	Frequency	50 / 60	Hz		
7	Rated Current	0.11/0.11	A	+10%	At Rated Voltage, 25°C, 65% RH, Free Air
8	Power Consumption	19/19	W		
9	Rotating Speed	2600/3000	RPM ±10%		At Rated Voltage, 25°C, 65% RH, Free Air
10	Max. Airflow	106/120 3.0/3.4	CFM m3/min		At Rated Voltage AMCA 210 Standard At Rated Current
11	Max. Static Pressure	6.4/7.5 0.25/0.29	mmH_2O $inchH_2O$		
12	Noise Level	46/50	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		MTTF (Mean Time To Failures) at Confidence. Level 90%
14	No. of Blade	5	Blades		
15	No. of Pole	2	Poles		
16	Rotating Direction	Clockwise View From Label Side			
17	Weight	600	g		
18	Motor Type	External Rotor Induction 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	Iron Leaf
3	Bearing	Ball Bearings
4	Termination	Lead Wire , Teflon #22 UL1332
5	Connector	N/A

C. Safety Approvals

Safety Approvals	**UL**	**TUV**	
File Number	N/A	N/A	

D. Environmental Specification

Item		Specification / Condition
1	Operating Temp. Range	Temperature : -10°C ~ + 105°C Humidity : 65% +/- 20% RH
2	Storage Temperature	All function shall be normal after 500 hours storage at -40℃ to +65℃ with a 24 hours recovery period at room temperature.
3	Humidity Test	After 96 hours, 95% RH, 40+/-2℃ 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 B

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 60 seconds.

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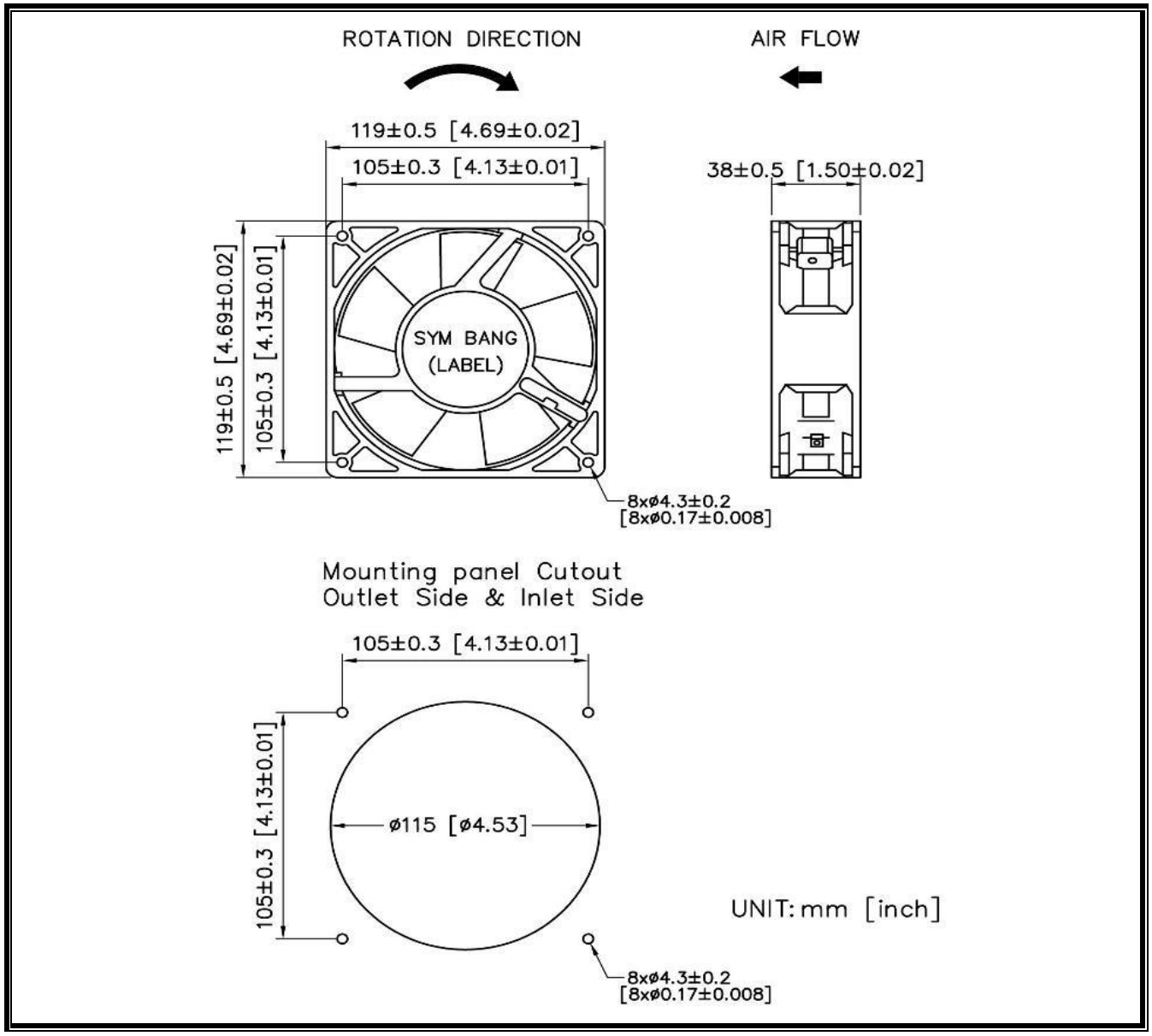
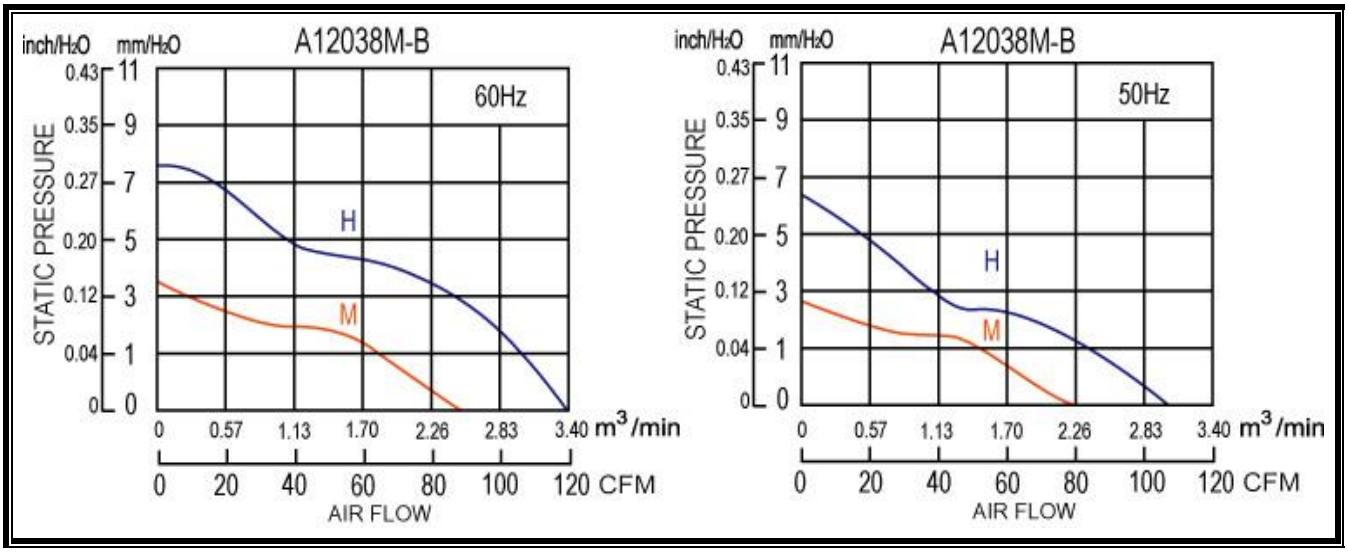
F. Outline Dimension



G. Airflow Performance



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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.