

ACTIVA INC.

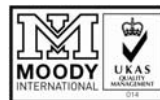
SPECIFICATION SHEET



MODEL NO. :	A12038V2MSL-IP44
DESCRIPTION :	AC COOLING FAN
VERSION :	A
RELEASED DATE :	2013.12.25

APPROVED BY	PREPARED BY
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	2013.12.25

SYMBANG



ACTIVA INC.

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PRODUCT SPECIFICATION

A. General Specification

Item		Specification		Condition
1	Model No.	A12038V2MSL-IP44		
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	0.07/0.06	A	+10% At Rated Voltage, 25°C, 65% RH
8	Power Consumption	12/11	W	
9	Rotating Speed	2500/2500	RPM ±10%	At Rated Voltage, 25°C, 65% RH, Free Air
10	Max. Airflow	83/81 2.30/2.20	CFM m ³ /min	At Rated Voltage AMCA A210 Standard
11	Max. Static Pressure	5.08/2.29 0.20/0.09	mmH ₂ O inchH ₂ O	At Rated Current
12	Noise Level	43/42	dB(A)	At Rated Voltage Measured in a non-echo Chamber CNS 8753 Standard ISO 3744 Test Condition
13	Life	25,000hrs	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	515	g	
18	Motor Type	Shaded Pole Motor		
19	Safety	Impedance Protected		
20	Protection Degree (IP)	IP44		

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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	Sleeve
4	Termination	Lead Wire
5	Connector	N/A

C. Safety Approvals

Safety Approvals	UL	TUV	
File Number	E193733	N/A	

D. Environmental Specification

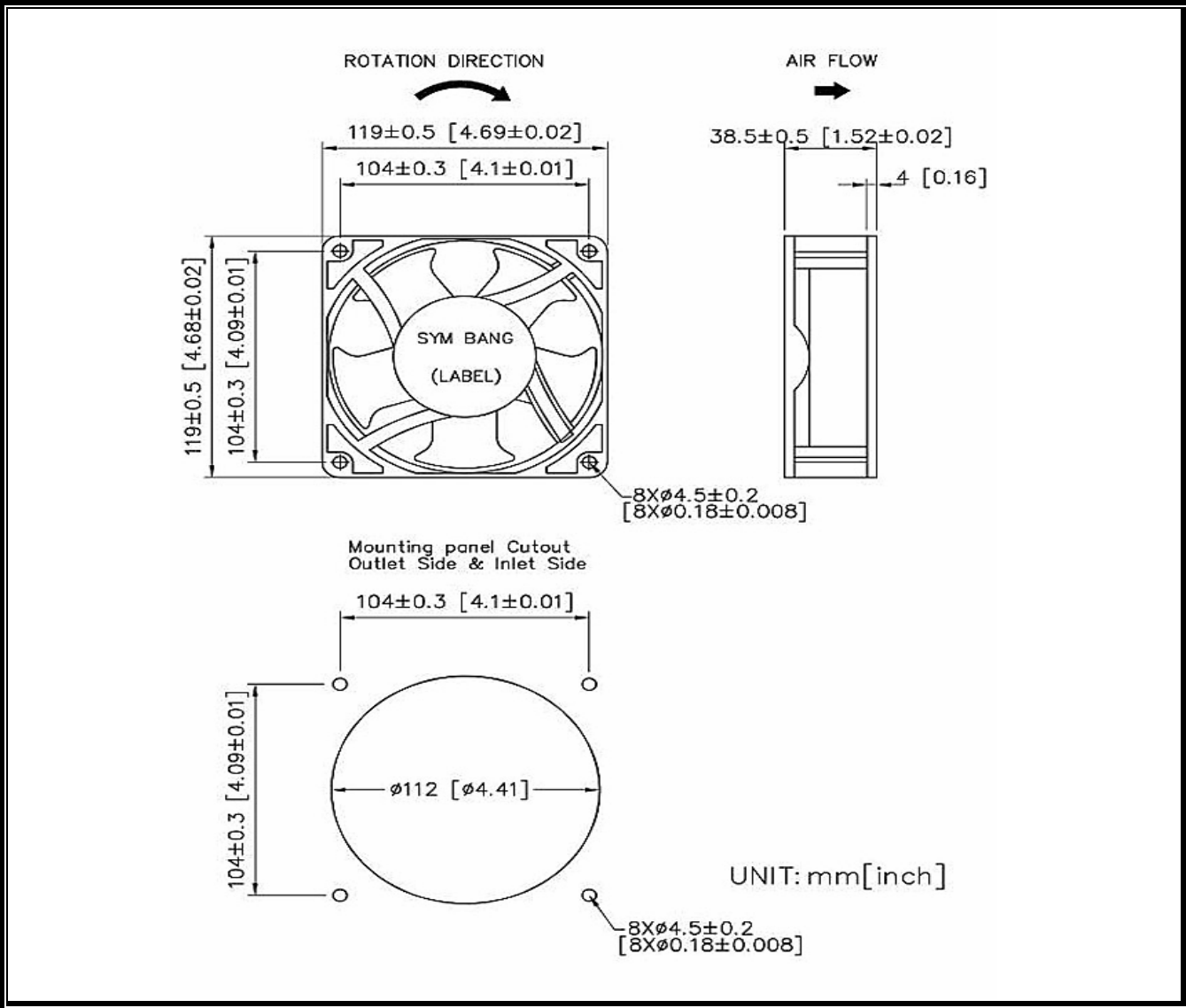
Item		Specification / Condition
1	Operating Temp. Range	Temperature : -10°C ~ + 70°C
2	Storage Temperature	All function shall be normal after 500 hours storage at -20°C to +70°C with a 24 hours recovery period at room temperature.
3	Humidity Test	After 96 hours, 95% RH, 40+/-2°C per MIL-STD-202F, method 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

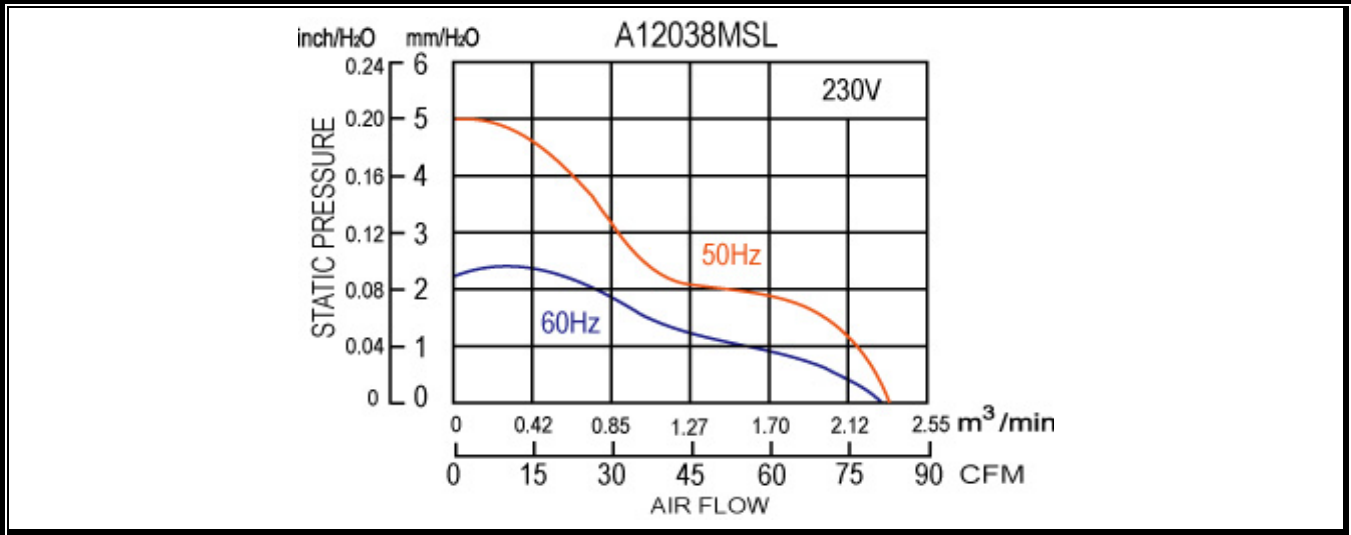
Item		Specification/Condition
1	Insulation Resistance	Minimum 10MΩ Between frame and AC lead wire / terminal at 500VDC for 60 seconds
2	Dielectric Strength	Maximum leakage 5ma between frame and AC lead wire / terminal at 1.5KVAC for 1 seconds.

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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.