

Sofasco Inc.

SPECIFICATION SHEET

MODEL NO. :	sA17251V1LBT
DESCRIPTION :	AC COOLING FAN
VERSION :	A
RELEASED DATE :	2016.8.25



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PRODUCT SPECIFICATION

A. General Specification

Item		Specification		Condition
1	Model No.	sA17251V1LBT		
2	Outline Dimension	172 x 151 x 51 mm		
3	Rated Voltage	AC 115 V		
4	Operating Voltage Range	AC 85-125 V		
5	Start Voltage	AC 85 V		
6	Frequency	50 / 60 Hz		
7	Rated Current	0.16/0.20	A	At Rated Voltage, 25°C, 65% RH, Free Air
8	Power Consumption	16/18	W	
9	Rotating Speed	1450/1750	RPM $\pm 10\%$	At Rated Voltage, 25°C, 65% RH, Free Air
10	Max. Airflow	96/114	CFM	At Rated Voltage AMCA A210 Standard
		2.7/3.05	m ³ /min	
11	Max. Static Pressure	3.8/5.6	mmH ₂ O	At Rated Current
		0.15/0.22	inchH ₂ O	
12	Noise Level	36/41	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) Confidence. Level 65%
14	No. of Blade	5	Blades	
15	Rotating Direction	Counterclockwise View From Label Side		
16	Weight	1050	g	
17	Motor Type	AC Induction Capacitor Motor		
18	Safety Protection	Thermally 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 Bearings
4	Termination	Terminals
5	Connector	N/A

C. Safety Approvals

Safety Approvals	UL	TUV	
File Number	E196756	N/A	

D. Environmental Specification

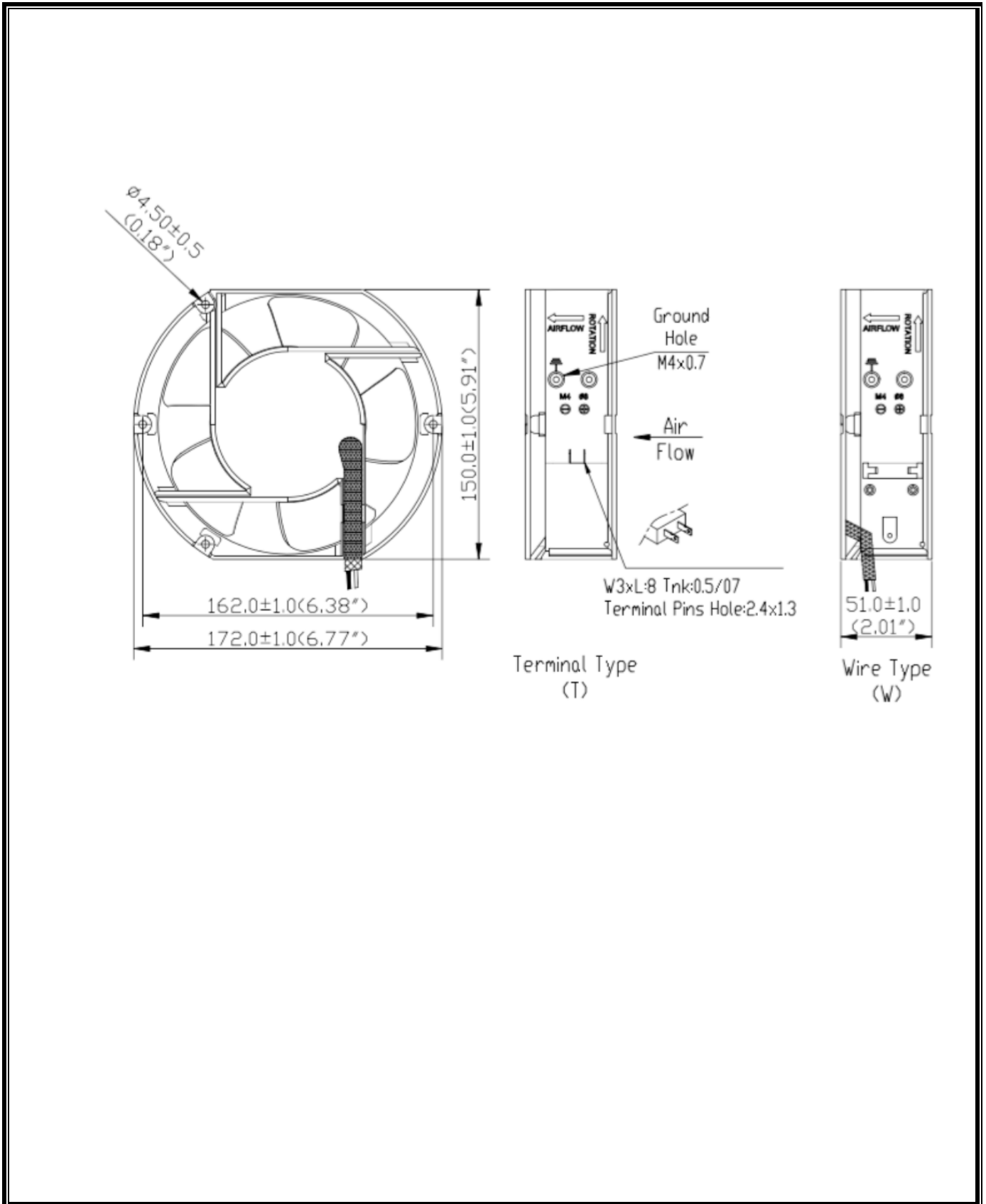
Item		Specification / Condition
1	Operating Temp. Range	Temperature : -10°C ~ + 70°C Humidity : 35% - 85% RH
2	Storage Temperature	All function shall be normal after 500 hours storage at -40°C to +70°C with a 24 hours recovery period at room temperature.
3	Humidity Test	After 96 hours, 95% RH, 40+/-2°C 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.

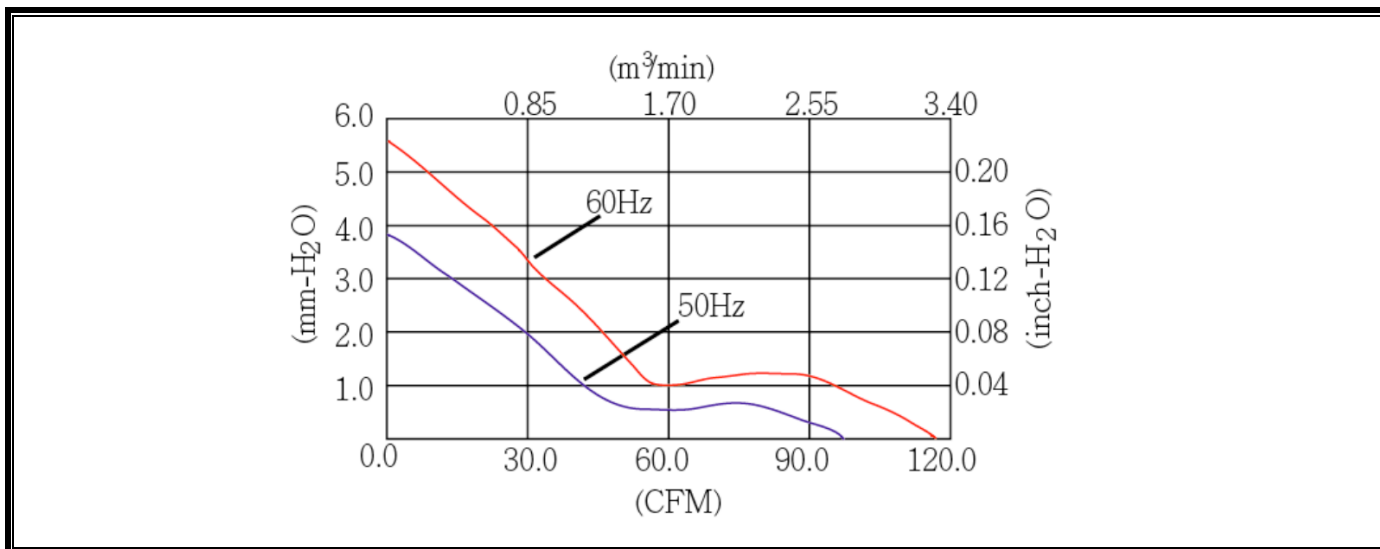
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F. Outline Dimension



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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 Sofasco Inc has reserves the right to substitute the specification without prior notice.