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SPECIFICATION SHEET

MODEL NO. :	JF3-SR03030A24-3B
DESCRIPTION :	DC COOLING FAN
VERSION :	A
RELEASED DATE :	2016.07.15

PRODUCT SPECIFICATION

A. General Specification

Item		Specification			Condition
1	Model No.	JF3-SR03030A24-3B (JYS)			
2	Outline Dimension	Φ30mm x Blade 300mm			
3	Rated Voltage	DC 24	V		
4	Operating Voltage Range	DC 21.6-26.4	V		
5	Start Voltage	DC 21.6	V		
6	Rated Current	0.31	A	+10%	At Rated Voltage, 25°C, 65% RH, Free Air
7	Power Consumption	7.44	W		
8	Rotating Speed	2750	RPM ±10%		At Rated Voltage, 25°C, 65% RH, Free Air
9	Max. Airflow	84 2.37	CFM m^3/min		At Rated Voltage AMCA 210 Standard At Rated Current
10	Max. Static Pressure	4.1 0.16	mmH_2O $inchH_2O$		
11	Noise Level	43.8	dB(A)		At Rated Voltage Measured in a non-echo Chamber CNS 8753 Standard ISO 3744 Test Condition
12	Life	30,000hrs	at 25°C		MTBF (Mean Time Between Failures) Confidence. Level 90%
13	Rotating Direction	Clockwise View From Motor Side			
14	Weight	290	g		
15	Motor Type	DC Brushless 3-Phase-Motor			
16	Speed Control	N/A			
17	Signal Output	N/A			

B. Main Materials / Parts Specification

Materials / Parts		Specification
1	Housing	Metal / Aluminum
2	Blade	Aluminum
3	Bearing	Ball Bearing
4	Termination	Lead Wires (+) Red, (-) Black Length: 180±10mm
5	Connector	N/A

C. Safety Approvals

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

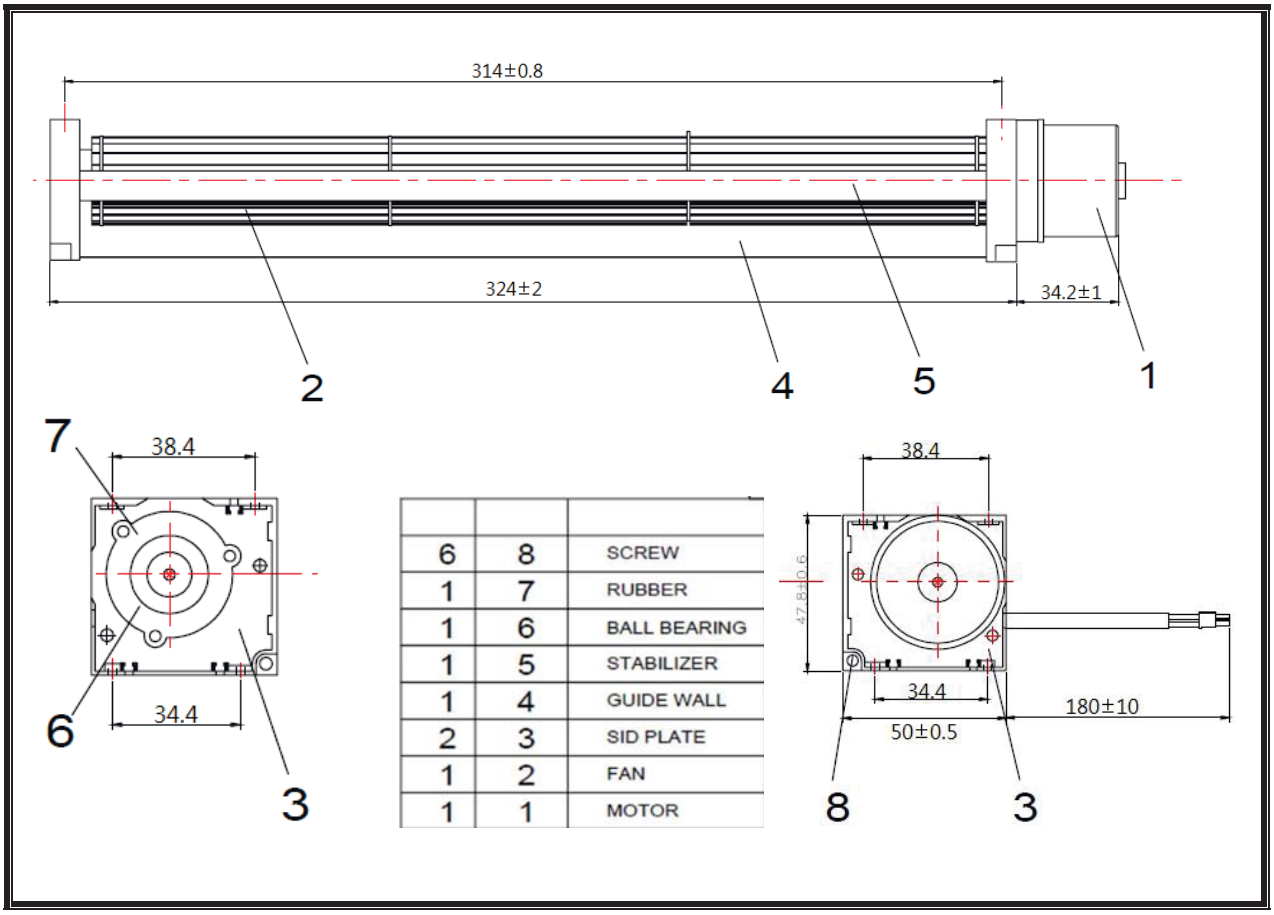
D. Environmental Specification

Item		Specification / Condition
1	Operating Temp. Range	Temperature : 0°C ~ + 45°C Humidity : 10% - 90% RH (Frost Eliminated)
2	Storage Temperature	All function shall be normal after 500 hours storage at -20℃ to +60 ℃ with a 24 hour 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 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
3	Motor Safety Protection	Open circuit when VCC&GND are exchanged
		Circuit won't be burned within 5seconds when VCC&GND are exchanged
4	Locked rotor Protection	Built-in controller will begin to motivate the fan motor to get it start rotating again when the fan speed suddenly drops to zero in a stuck state

F. Outline Dimension



6	8	SCREW
1	7	RUBBER
1	6	BALL BEARING
1	5	STABILIZER
1	4	GUIDE WALL
2	3	SID PLATE
1	2	FAN
1	1	MOTOR

G. Airflow Performance