

Product data sheet

Specifications

Product Name: Axial Flow Fans

Product Model: F2E-120S-24

Order Number:2018.032

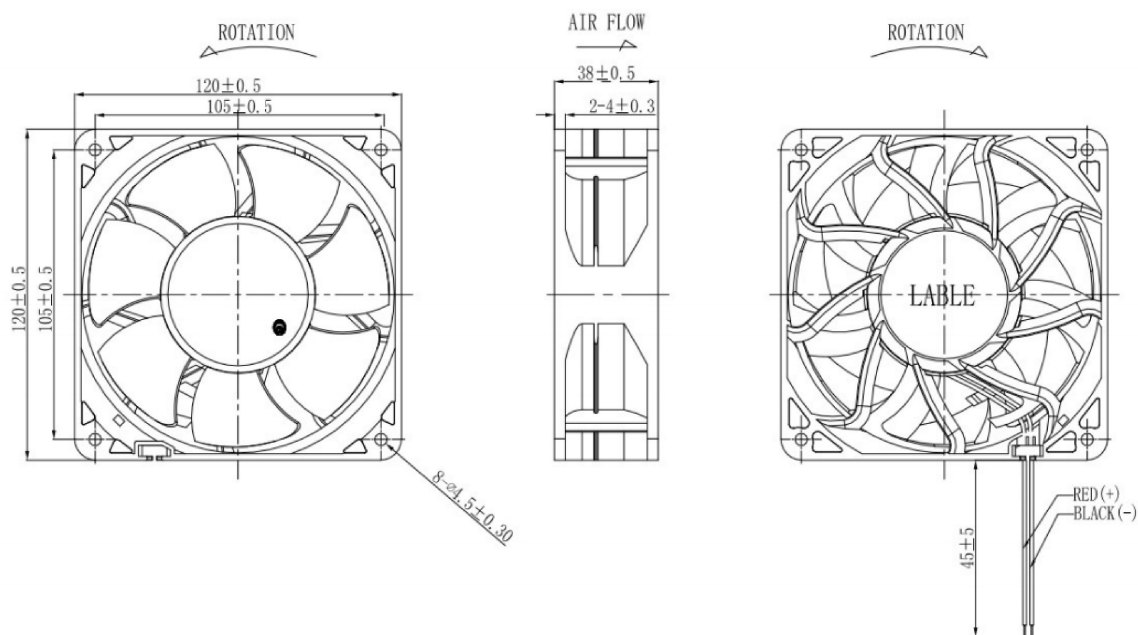


Product specifications requirementsregulations

NO.	Testing items	Technical parameters
1	Model No.	F2E-120S-24
2	Size	120x120x38mm
3	Rated Voltage	24.0VDC
4	Operating Voltage Range	21.6 VDC~28.0VDC
5	Starting voltage	14.0VDC
6	Rated current(A)	0.24 ±10%
7	Rated power(W)	5.76±10%
8	Airflow(CFM)	115.01±10%
9	Air pressure(mmH ₂ O)	6.36±10%
10	Speed(R.P.M.)	2800±10%
11	Noise(dB-A)	45.35
12	Average life	At a temperature of 25℃, relative humidity of 65%, and horizontal placement at 90% conditions, the average life is 50,000 hours.
13	Working temperature	-10℃~+70℃
14	Weight	240 g
15	Insulation rating	UL: Class A (105℃)
16	Bearing type	Oil-containing bearing

17	Frame	Plastic BLACK PBT (UL94V-0)
18	Stator and rotor	silicon steel
19	Blades	Plastic fan blade(PBT-PV30%) BLACK PBT (UL94V-0)

Product drawings



Dimensions unit: mm

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CHECK DATE	肖科 2018-10-10	PAGE	A
DRAWING DATE	蒋小凤 2018-10-10		

Features and precautions of the fan

1. Operating temperature: $-10^{\circ}\text{C} \sim 70^{\circ}\text{C}$ (Ambient temperature)

2. Storage temperature: $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$ (Ambient temperature)

3. Insulation class: CLASS A

Expected lifespan: Under conditions of 25°C temperature, 65% relative humidity, and 90% horizontal placement, the average lifespan is 50,000 hours.

5. Referenced standard **ISO3745/GB4214-84**, background noise $20 \pm 2\text{dBa}$, measured under indoor conditions.

Motor protection

6.1.Polarity protection

If the positive and negative power lines of the product are connected in reverse, the product can withstand it for 10 minutes without being damaged.

6.2.Motor lock protection

Under normal operating voltage and temperature ranges, when the rotor is locked, the circuit current will be turned off or maintained at a very low level to protect the motor, ensuring it will not be damaged within 72 hours.

7. Please do not place the fan in a corrosive gas or liquid environment for storage and operation.
