



SPECIFICATION FOR APPROVAL

CUSTOMER: Platan

EVERCOOL MODEL NO: EC8025FH12B

CUSTOMER MODEL NO: EC8025FH12B

DESCRIPTION: DC12V FAN

APPROVED BY (AUTHORISED)	APPROVED
	Alex
	CHECKED
	Xiongwei
	DRAWN
	Chenjie
	SALES
	Serene

* Please confirm your acceptance by return fax or mail.

SPEC NO	ISSUE DATE	EDITION	REVISED DATE
20211018G06	2021/10/18	A0(F2)	2021/10/18

THE PRODUCTION ACCORD WITH EUROPE UNION ROHS STANDARD

EVERCOOL THERMAL CO., LTD

NO. 123-8, HSING DE RD., SAN-CHUNG CITY,

TAIPEI HSIEN, TAIWAN, R.O.C.

TEL: 886-2-8512-2889 FAX: 886-2-8512-2890

[URL:www.evercool.com.tw](http://www.evercool.com.tw)

[EMAIL: coolest@ms14.hinet.net](mailto:coolest@ms14.hinet.net)

I. GENERAL SPECIFICATION

Item	Specification
1.Part NO.	EC8025FH12B
2.Outline Dimension	80*80*25
3.Rated Voltage	12 VDC
4.Starting Voltage	7 VDC
5.Operating Voltage Range	7 VDC~ 13.8 VDC
6.Rated Current*	0.43 A
7.Rated Power Consumption*	5.16 W
8.Rated Speed*	5000 RPM±15%
9.Max. Airflow**	57.82 CFM(ft3/min)
10.Max. Static Pressure**	0.34 In-H2O
11.Noise Level***	<43.3 dB(A)
12.Life Expectancy	50000 hrs at 25°C
13.No of Polarity	4 Poles
14.Direction of Rotation	Counter-Clockwise

Noted:

***Input Current Speed Power Consumption**

Measured after continuous 30 minutes operation at rated voltage in free air at ambient temperature of 25 °C, 65% relative humidity

****Performance**

Measured with use of double chamber. The value are recorded when the fan speed is stabilized at rated voltage.

*****Noise Level**

Measured at rated voltage in a semi-anechoic chamber with background noise below than 20 dB(A). The measuring distance is in one meter from microphone to inlet of the fan.

II. ELECTRICAL SPECIFICATION

Item		Specification
1.Polarity Protection	✓ YES	Be capable of endurance when Vcc & GRD are exchanged
	NO	
2.Auto restart	✓ YES	Locked motor protection
	NO	
3.Insulation Resistance		10MΩ/b/w unshielded wire and frame at 500 VDC/min
4.Dielectric Strength		5Ma Max./Measured b/w lead wire and frame at 500VAC/min

III. MAIN MATERIALS / PARTS SPECIFICATION

Item	Specification					
1.Materials of Frame	Thermoplastic PBT of UL 94V-0(BK)					
2.Materials of Fan Blade						
3.Bobbin						
4.Bearing	✓	Dual ball bearing				
		1 ball & 1 sleeve bearing				
		Sleeve bearing				
		EL bearing				
5.Lead wire	✓	Red (+)	UL#	2468	26	AWG
	✓	Black (-)	UL#	2468	26	AWG

6.Connector	Nopin 2P					

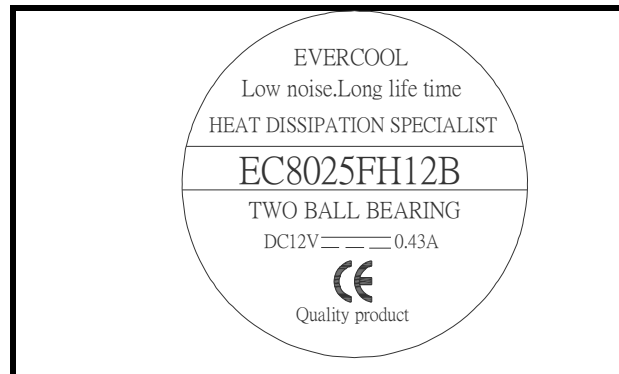
IV. ENVIRONMENT SPECIFICATION

Item	Specification
1.Operation Temperature	-10°C~+70°C/66%(RH), high / low temperature test for 24 hours, temperature change: 30°C/hours.
2.Storage Temperature	-40°C~+70°C/66%(RH), high / low temperature test for 24 hours, temperature change: 30°C/hours.

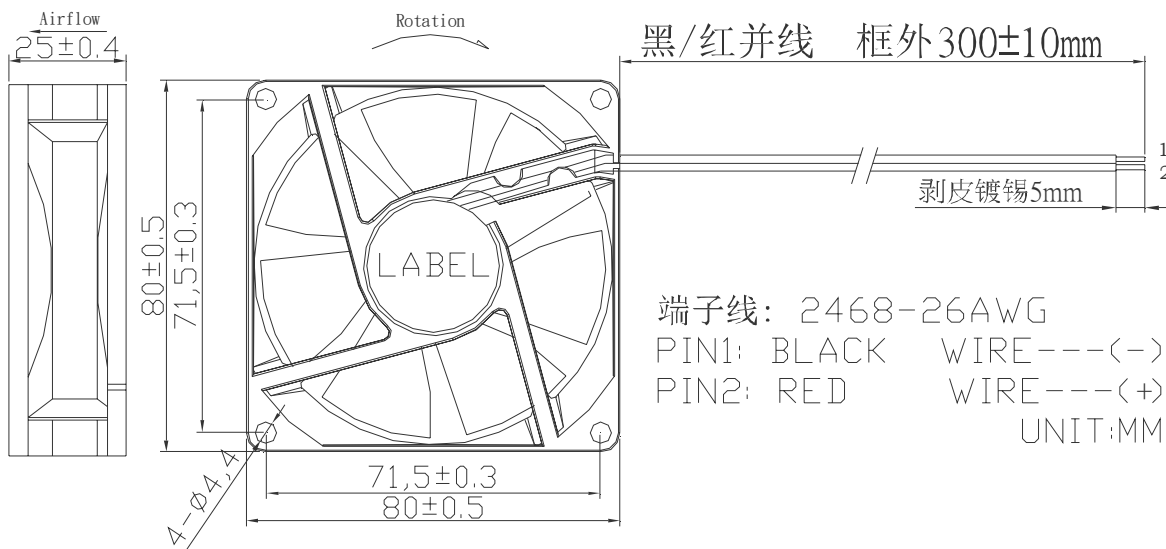
V. DROPPING TEST

Prepared in minimum packing condition, fan will withstand one drop each on three surfaces from 30 cm height onto a 10mm thick hard wooden board.

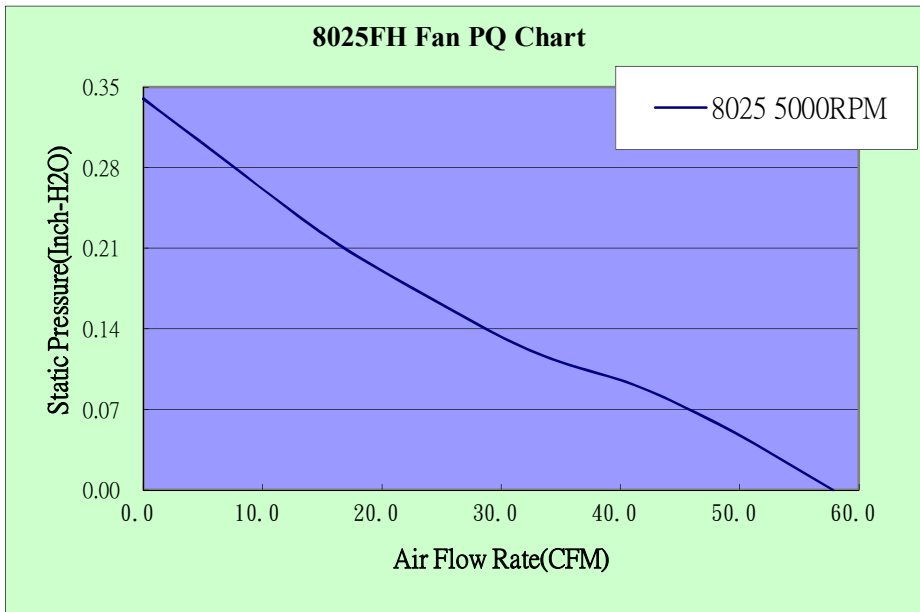
VI. LABEL MARKING



VIII. OUTLINE DIMENSION



IIX. P/Q Performance



	Q(cfm)	Ps(InchH2o)
1	0.000	0.340
2	6.414	0.290
3	15.428	0.220
4	23.514	0.170
5	32.701	0.120
6	41.495	0.090
7	49.558	0.050
8	57.820	0.000