



## SPECIFICATION FOR APPROVAL

**CUSTOMER:** Platan

**EVERCOOL MODEL NO:** EC8025HH12B

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**DESCRIPTION:** DC12V FAN

<b>APPROVED BY (AUTHORISED)</b>	<b>APPROVED</b>
	<b>Alex</b>
	<b>CHECKED</b>
	<b>Xiongwei</b>
	<b>DRAWN</b>
	<b>Chenjie</b>
	<b>SALES</b>
	<b>Serene</b>

\* Please confirm your acceptance by return fax or mail.

SPEC NO	ISSUE DATE	EDITION	REVISED DATE
20230324A02	2023/3/24	A0	2023/3/24

THE PRODUCTION ACCORD WITH EUROPE UNION ROHS STANDARD

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# I. GENERAL SPECIFICATION

Item	Specification
1.Part NO.	EC8025HH12B
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*	0.28 A
7.Rated Power Consumption*	3.36 W
8.Rated Speed*	3500 RPM $\pm$ 15%
9.Max. Airflow**	42.83 CFM(ft <sup>3</sup> /min)
10.Max. Static Pressure**	0.18 In-H <sub>2</sub> O
11.Noise Level***	<35 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#	1007	26	AWG
	✓	Black (-)	UL#	1007	26	AWG
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6.Connector		Nopin 2P				

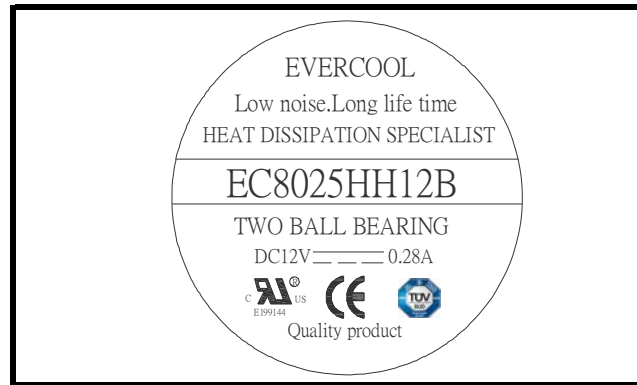
## IV. ENVIRONMENT SPECIFICATION

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.

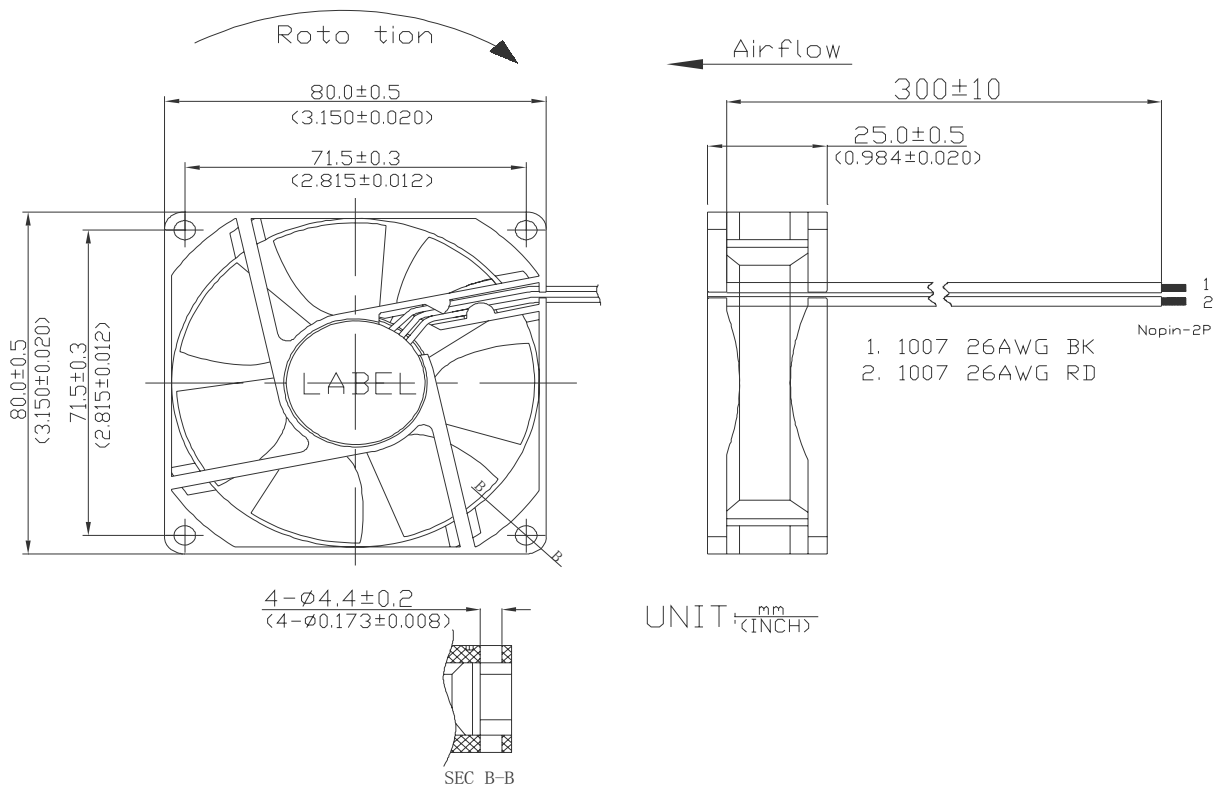
## V. DROPPING TEST

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.

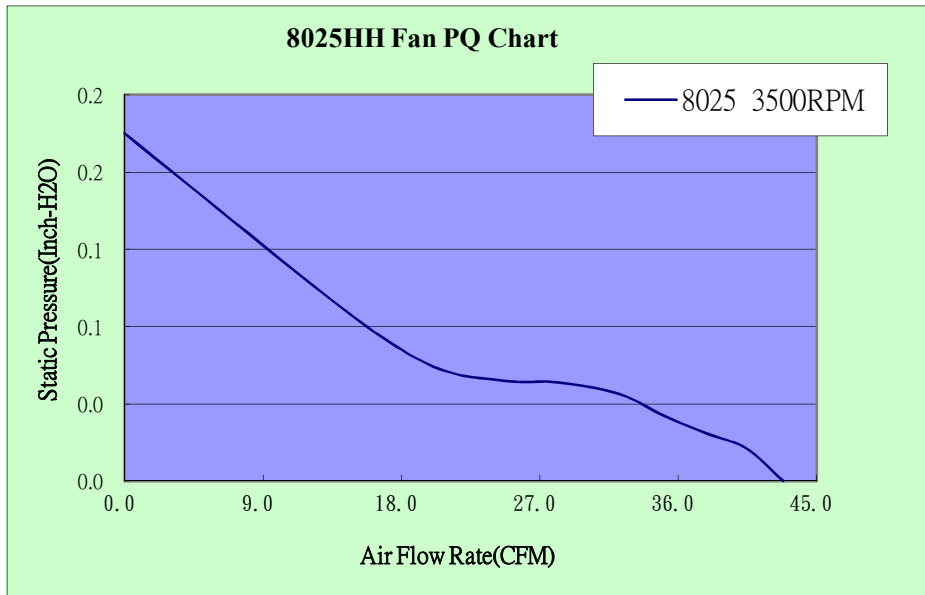
## VI. LABEL MARKING



## VII. OUTLINE DIMENSION



## VIII.P/Q Performance



	Q(cfm)	Ps(InchH2o)
1	0.000	0.180
2	14.906	0.085
3	20.177	0.059
4	24.647	0.052
5	28.254	0.051
6	32.211	0.045
7	35.018	0.034
8	37.709	0.025
9	40.428	0.017
10	42.829	0.000