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## PRODUCT SPECIFICATION SHEET

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**CUSTOMER:** \_\_\_\_\_

**CUSTOMER MODEL NO.:** \_\_\_\_\_

**COOLTRON MODEL NO.:** FBD7530B24W5-61-2N

**DESCRIPTION:** DC Blower, 77x75x30mm, 24VDC,  
2500RPM, Dual Ball Bearing  
No Connector.  
\_\_\_\_\_

**EDITION:** A01

**ISSUE DATE:** 7/19/2019

Products will meet the specifications stated on this data sheet for all future production orders unless a revision has been approved by both parties.

## Standards and Specifications of Model: FBD7530B24W5-61-2N



### A. General Specification

Item		Specification / Standard / Condition	
01	Outline Dimension	77X75X30	mm
02	Bearing	Dual Ball Bearing	
03	Rated Voltage	DC 24	V
04	Operating Voltage	DC 12.0 V ~ DC 27.6	V
05	Starting Voltage	DC 12 V (At 25°C, Power ON / OFF)	
06	Rated Current (Max.)	0.14	A
07	Actual Current	0.12	A
08	Power Consumption	2.88	W (Max.:3.4W)
09	Rated Speed	2500	RPM ± 10%
10	Max. Air Flow	9.40	CFM
11	Max. Static Pressure	7.10	mm-H <sub>2</sub> O
12	Noise Level(AVG.)	32.50	dB(A)
13	Life Expectancy	70,000	Hrs at 40°C
14	Net Weight	87	Gram
15	Number of Blade	Blades	
16	Number of Pole	4	Poles
17	Rotating Direction	Counter-Clockwise	Looking at Rotor Side
18	Material:	Housing: Plastic UL 94V-0 P.B.T. Blade: Plastic UL 94V-0 P.B.T.	
19	Lead Wire	UL Type #24 AWG	Red: (+) Black: (-)
20	Connector	Without	
21	Special Function	Without	

### B. Electrical Specification

Item		Specification / Condition	
01	Locked Rotor Protection	✓	Safety Condition
		✗	a. Auto power off after locked at rated voltage for 1 sec. b. After auto power off, circuit attempt to restart in a few seconds.
02	Polarity Protection	✓	Circuit is protected when VCC & GND are exchanged, the circuit won't be burned within 5 seconds.
03	Insulation Resistance	✓	10m.Ohm / between unshielded wire and frame at 500 VDC/min.
04	Dielectric Strength	✓	5mA Maximum. / Measured between lead wire (+) and frame at 500 VAC/min.

### C. Environmental Specification

Item		Specification / Condition
01	Operating Condition	Temperature: -10°C ~ + 70°C
		Humidity: 35% ~ 85% RH
02	Storage Temperature	Temperature: -40°C ~ + 70°C
		Humidity: 35% ~ 85% RH

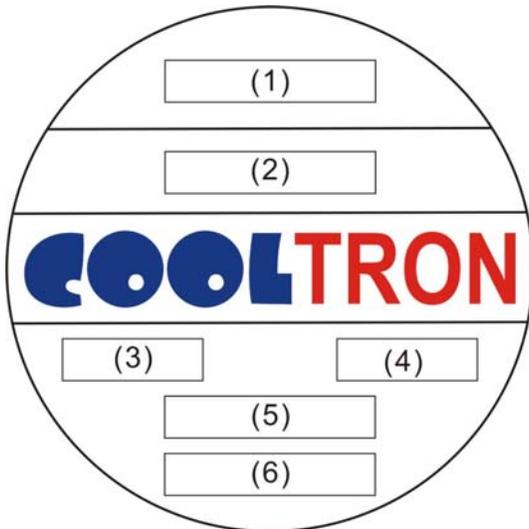
### D. Safety Approvals



Safety Approval	File No.
CE	TB10088262
UL	E194726
CUL	E194726
TUV	R50048194

### E. Label Marking

#### 01: Fan Label Marking



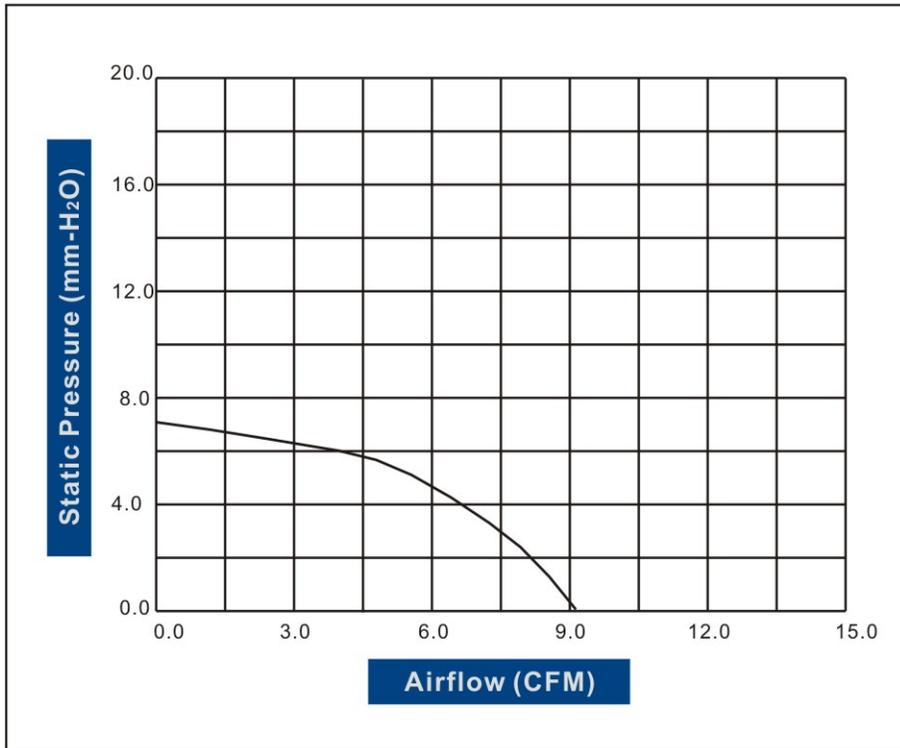
(1)	Safety Approval
(2)	Model Number & Appendix Code
(3)	Rated Voltage
(4)	Power Consumption
(5)	Bearing Type
(6)	Location

#### 02: RoHS Label Marking:

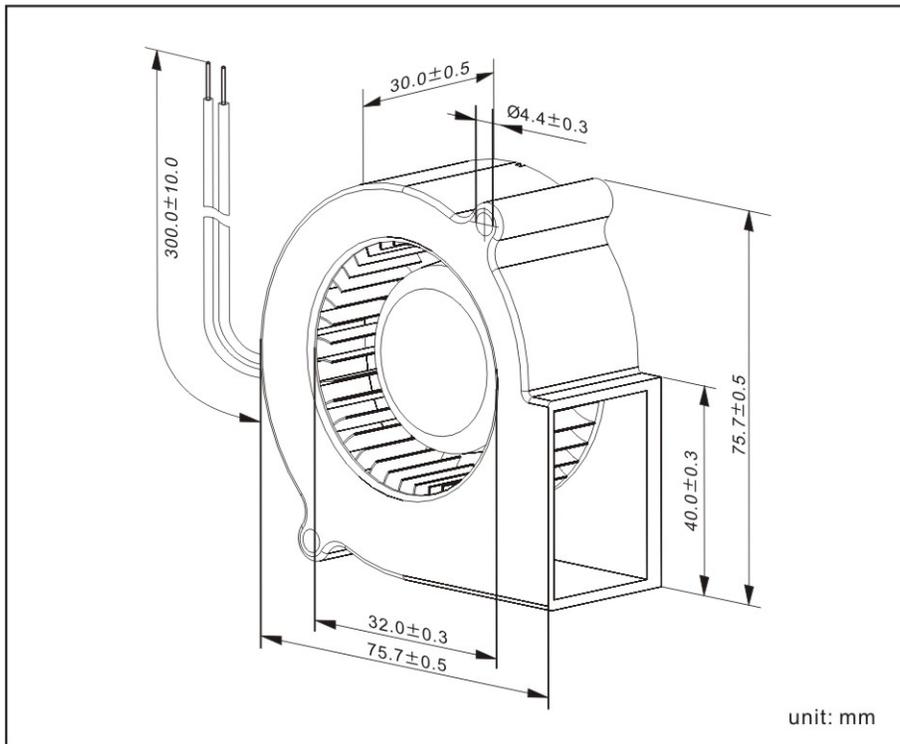


Label	Location
RoHS & Date Code	Fan Outlet Frame

**F. Air Flow Performance Curve**



**G. Model Drawing**



H. Fan Photos



FBD7530-61