COOLTRON Industrial Supply Inc
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Standards and Specifications
of
Model: FD8025B12W3-68-2NU
(With IP21)

A. General Specification

Item	Specification / Standard / Condition	
Outline Dimension	80 mm x 80 mm x 25 mm	
Bearing	Dual Ball Bearing.	
Rated Voltage	DC 12V	
Operating Voltage	DC8.00V ~ DC 13.80V	
Starting Voltage	DC8.00V	1. Rated Voltage 2. 25°C, 65% RH
Rated Current	0.13A	
Actual Current	0.08A	
Power Consumption	0.96W	
Speed	1500 R.P.M.	1. Free Air 2. Rated Voltage 3. 25°C, 65% RH 4. Tolerance: ± 10%
Maximum Airflow	18.80CFM	1. Rated Voltage 2. AMCA Standard 3. Rated Current
Maximum Static Pressure	0.91mm-H_2O	
Noise Level	15.10 dB (A)	1. Rated Voltage 2. Measured in a Non-Echo Chamber 3. CNS 8753 Standard 4. ISO 3744 Test Condition
Life	60,000 hrs	40°C, L10 at Conf. Level 90%,Rated Voltage
Net Weight	68g	
Number of Blade	7 Blades	
Number of Pole	4 Poles	
Rotating Direction	Counter-Clockwise	
Plastic Material: Blade, Housing, Bobbin	1. UL 94V-0 2. P.B.T. + 30% GF Black	
Lead Wire	UL 1007, 26AWG	Red: (+) Black: (-)
Connector	With INARCA connector	

B. Electrical Specification

Item	Specification / Condition
Locked Rotor Protection	No damage done for a continuous 72 hours rotation lock at rated voltage.
Polarity Protection	Circuit is protected when V_{CC} & GND are exchanged.
Insulation Resistance	10m.Ohm / between unshielded wire and frame at 500 VDC/min.
Dielectric Strength	5 mA Maximum. / Measured between lead wire + and frame at 500 VAC/min.

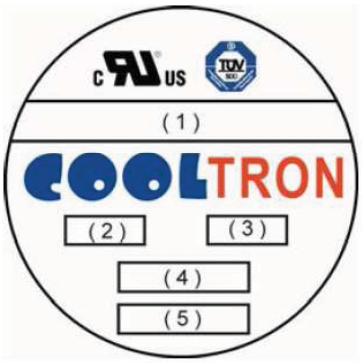
C. Environmental Specification

Item	Specification / Condition
Operating Condition	Temperature: -10°C ~ + 65°C Humidity: 35% ~ 85% RH
Storage Temperature	Temperature: -40°C ~ +70°C Humidity: 35% ~ 85% RH
Humidity	Per MIL-STD-202F Method 103B Life: 96 hours Temperature: +40 ± 2°C
Thermal Shock	Per MIL-STD-202F Method 107D, Condition D
Packing Vibration Test	Packing condition: X, Y, Z 3 directions, 1.1G load vibration test for 30 min.
Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60cm high, packed

D. Safety Approvals

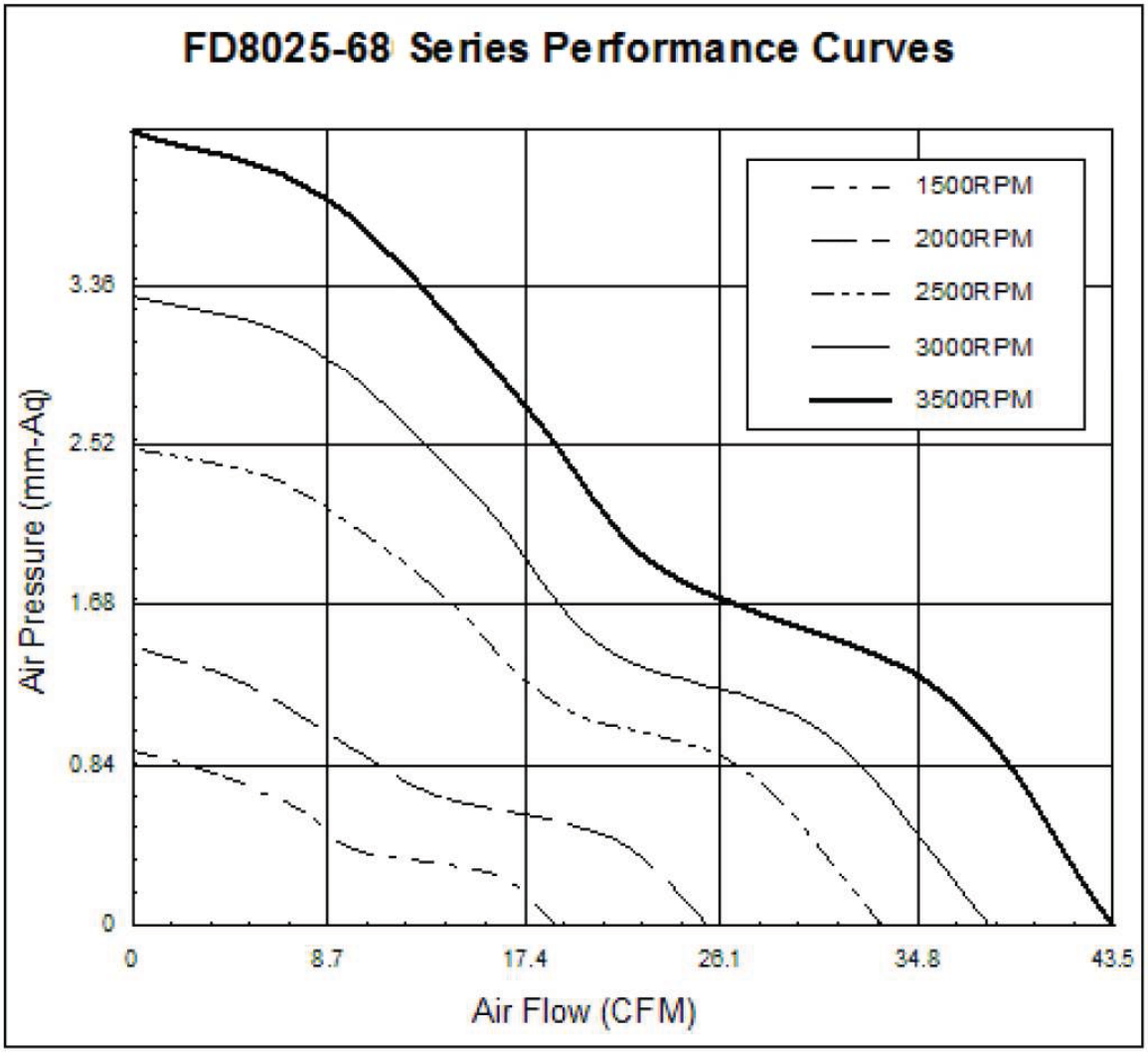
Safety Approval	File No.
UL	E194726
CUL	E194726
TUV	R50048194

E. Label Marking

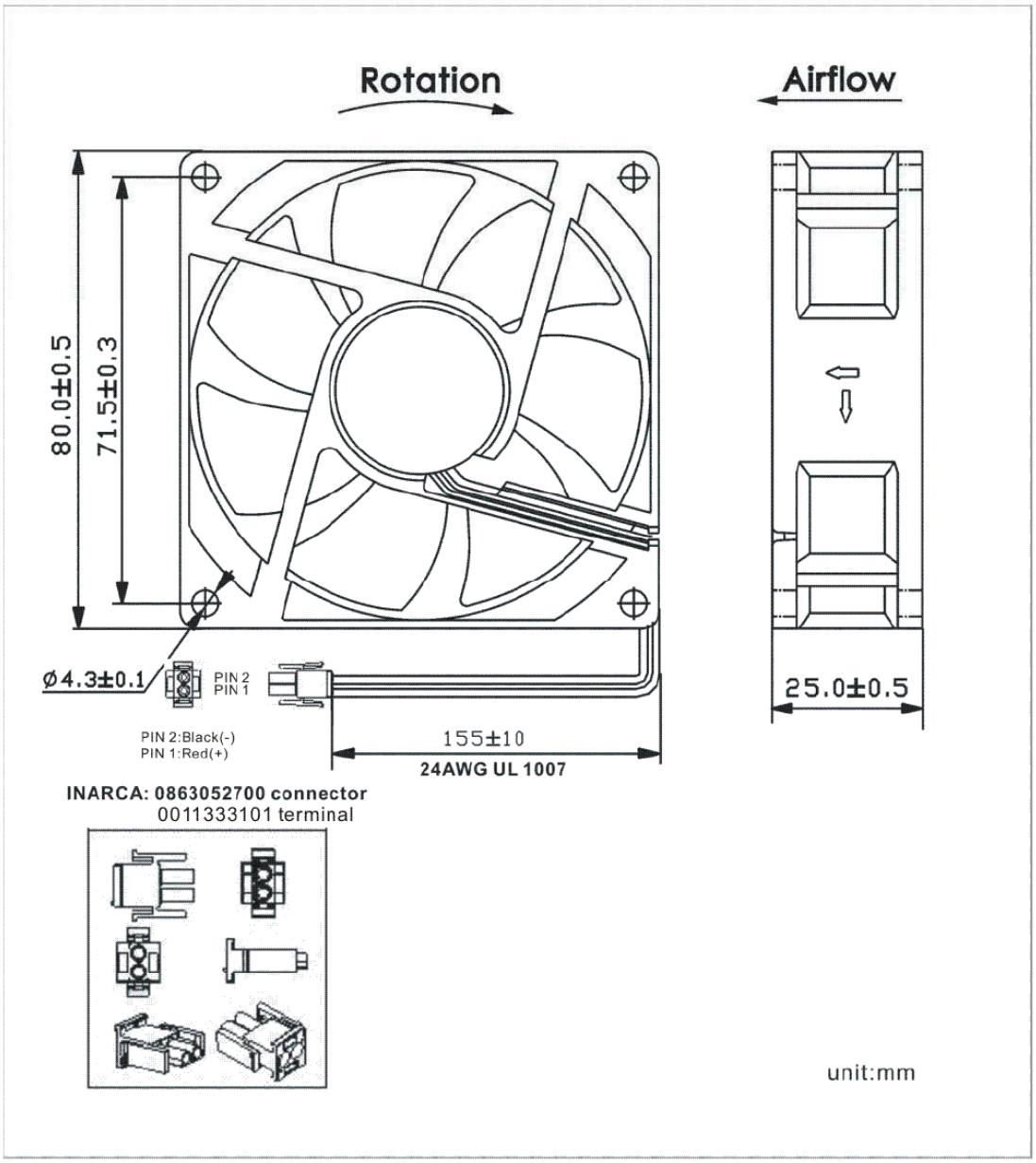


(1)	Model Number
(2)	Rated Voltage
(3)	Power Consumption
(4)	Bearing Type
(5)	Location

Air Flow Performance Curve



G. Model Drawing



G. Fan Photos

FD8025-68