

**Standards and Specifications
of
Model: FD6025B12W7-81-2N**

A. General Specification

Item	Specification / Standard / Condition	
Outline Dimension	60 x 60 x 25mm	
Bearing	Dual Ball Bearing	
Rated Voltage	DC 12.0 V	
Operating Voltage	DC 6.0 V ~ DC 13.8 V	
Starting Voltage	DC 6.0 V	1. Rated Voltage 2. 25°C, 65% RH
Rated Current	0.45 A	
Actual Current	0.21 A	
Power Consumption	2.52 W	
Speed	5,000 R.P.M.	1. Free Air 2. Rated Voltage 3. 25°C, 65% RH 4. Tolerance: ± 10%
Maximum Airflow	30.20 CFM	1. Rated Voltage 2. AMCA Standard 3. Rated Current
Maximum Static Pressure	6.90 mm-H ₂ O	
Noise Level	38.8 dB (A)	1. Rated Voltage 2. Measured in a Non-Echo Chamber 3. CNS 8753 Standard 4. ISO 3744 Test Condition
Life	80,000 hrs	40°C, L10 at Conf. Level 90%, Rated Voltage
Net Weight	44 g	
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, 24 AWG	Red: (+) Black: (-)
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, the circuit won't be burned within 10 seconds.
Insulation Resistance	10 m.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

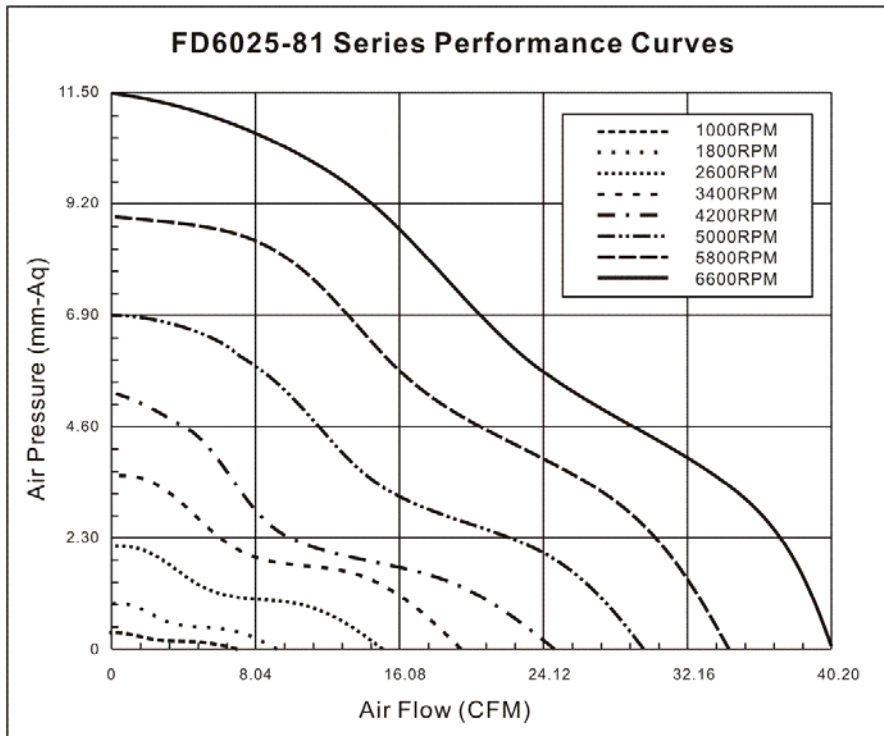
Item	Specification / Condition
Operating Condition	Temperature: -20°C ~ + 70°C Humidity: 15% ~ 90% RH
Storage Temperature	Temperature: -40°C ~ + 85°C Humidity: 15% ~ 90% RH
Packing Vibration Test	Packing condition: X, Y, Z 3 directions, 1.1G load vibration test for 30 min.
Packing Shock Proof Test	1 corner, 3 edges, 6 faces natural drop from 60cm high, packed



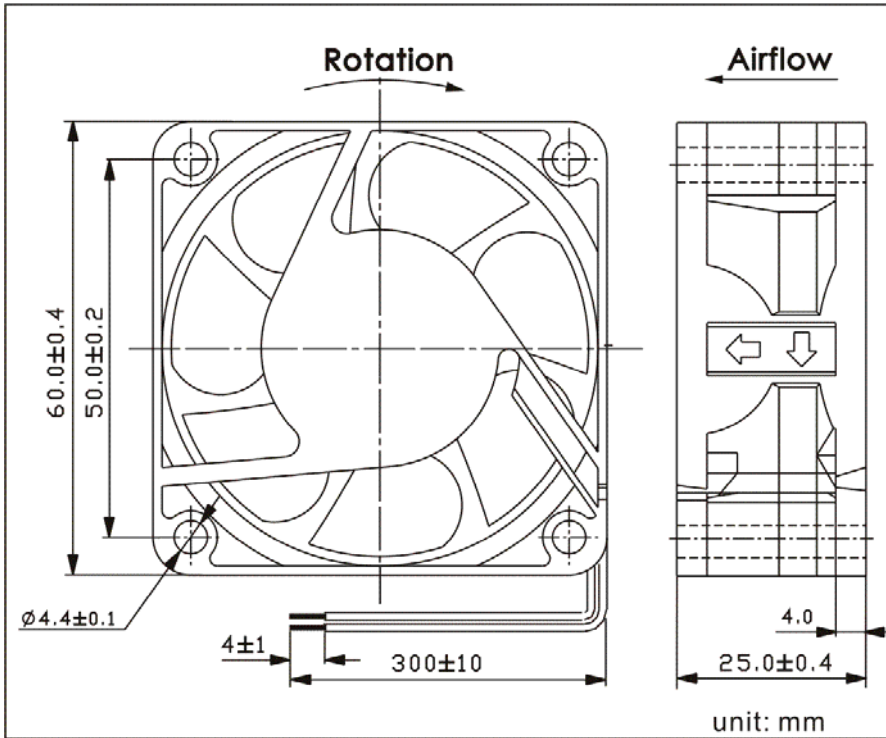
D. Safety Approvals

Safety Approval	File No.
TUV	B 05 11 57907 003

E. Air Flow Performance Curve



F. Model Drawing



G. Fan Photos



FD6025-81