

RoHS  
Compliant

## Specification

Rated Voltage	: 13.5V DC
Operating Voltage	: 9V DC to 16V DC
Starting Voltage	: 9V DC (Power ON/OFF at 25°C)
Rated Current (AVG.)	: 0.52 / MAX. 0.624 A
Rated Power (AVG.)	: 7.02 / MAX. 8.43 W
SAFETY POWER	: 7.07 W
Max Peak Voltage Protection In 30 Second	: 16V MAX
Rated Speed	: 3800 RPM + 10% In Free Air At Rated Voltage
Airflow At Zero Static Pressure	: Nominal 18.4 / MIN. 15.9 CFM
Static Pressure At Zero Airflow	: Nominal 0.86 / MIN. 0.83 inch-H <sup>2</sup> O
Acoustical Noise (AVG.)	: Nominal 52.3 / MAX. 54.6 dB(A)
PWM CONTROL	: Close Loop
Insulation Type	: UL Class A
Insulation Resistance	: 10MΩ MIN. At 500V DC Between Frame And (+) Terminal
Life Expectancy	: 70,000 Hours At 40°C, 65% Humidity, 90% CL.
Direction Of Rotation	: Counter-Clockwise From Blade Side
Ingress Protection	: NONE
AECQ	: 100
EMC	: NONE

## Mechanical

Bearing System	: Precision Ball Bearing System
Materials of Frame	: Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL 94V-0
Weight	: 110 Grams

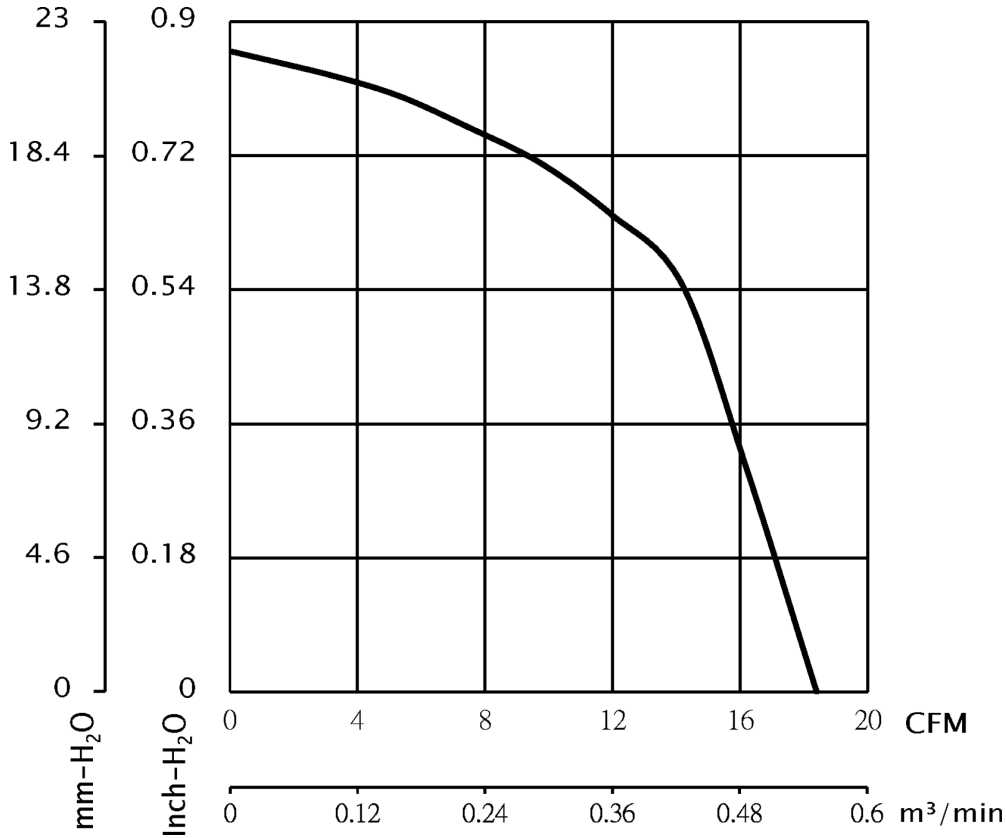
## Environmental

Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +85°C
Operating Humidity Range	: 5 to 90% RH
Storage Humidity Range	: 5 to 90% RH
Noise Level	: < 15dB(A).

## Protection

- Automatic Restart  
Note: The Motor Will Shut Down When Rotor Was Locked, Then Auto Restart Within 10 Seconds
- Polarity Protection

## Air Flow & Static Pressure Curve

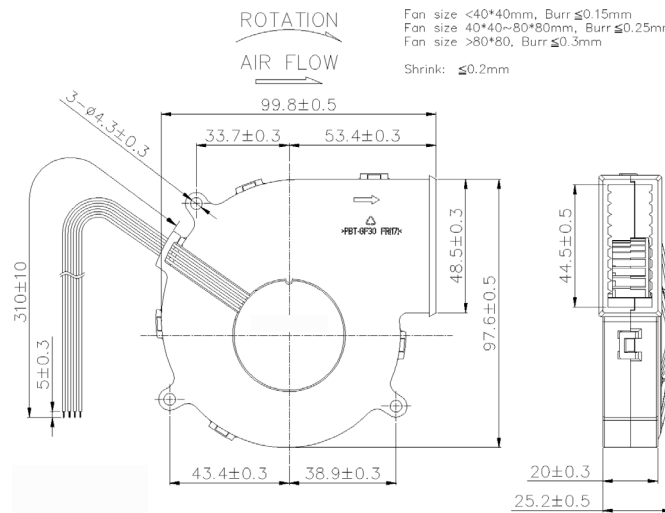


## Dimensions

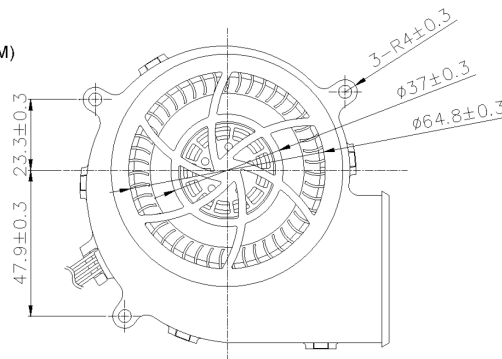
Screw Type (Pan Head)	Torque	Screw Spec.	
		Size	Standard
Machine Screw	3~4 kgf-cm	M4	JISB1111-1974
Self-Tapping Screw	5~6 kgf-cm	Φ5.0	JISB1122 Type 2

# DC Brushless Blower

**multicomp** PRO



NOTE:  
 1. LEAD WIRE:UL3265 #24AWG  
 RED WIRE-----(+)  
 BLACK WIRE-----(-)  
 YELLOW WIRE---(FG)  
 BLUE WIRE-----(PWM)



The yellow FG (Frame Ground) wire in a fan typically serves as the grounding connection for safety purposes. The purpose of grounding is to provide a path for electrical current to flow safely to the ground in the event of a fault or malfunction, preventing the risk of electric shock. In the context of a fan, the FG wire is usually connected to the metal frame or casing of the fan. This helps to ensure that any stray currents or faults are directed away from the user and safely dissipated into the ground. It's an important safety feature, and it's crucial to connect the FG wire properly according to the manufacturer's instructions when installing or maintaining the fan.

## Part Number Table

Description	Part Number
DC Blower, 99.8mm × 97.6mm × 20mm 12V DC	MP013555

Dimensions : Millimetres

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