

# DC Brushless Blower

## 12V DC, 50mm x 50mm x 20mm **multicomp**<sup>PRO</sup>

RoHS  
Compliant



### Mechanical Characteristic

Motor Design	: Brushless DC motor.
Bearing System	: Vapo Bearing System
Materials of Frame	: Thermoplastic PBT of UL 94V-0
Materials of Fan Blade	: Thermoplastic PBT of UL 94V-0
Direction of Rotation	: Counter-Clockwise Viewed From Front of Fan Blade
Mounting Holes	: Diameter 4.5 mm In 2 Holes
Weight	: 34g

### Electric Characteristic

Rated Voltage	: 12V DC
Rated Current	: 124 mA / Max. 137 mA
Rated Power Consumption	: 1.49 WATTS / Max. 1.65 WATTS
Safety Power Consumption	: 1.68 WATTS
Operating Voltage Range	: 4.5V DC to 13.8V DC
Starting Voltage	: 4.5V DC (25°C Power ON/OFF)
Operating Temperature Range	: -10°C to + 70°C
Storage Temperature Range	: -40°C to + 70°C

### Performance Characteristic

Rated Speed	: 5300 RPM ± 15% at rated voltage
Air Flow	: 5.8 CFM
Static Pressure	: 0.66 Inch-H <sub>2</sub> O
Acoustic Noise	: 34.8 dB(A)
Insulation Class	: UL Class A
Insulation Resistance Plastic Housing	: 10MΩ at 500V DC between internal stator and Lead wire (+)
Dielectric Strength	: Applied AC 500 V for one minute or AC 600 V for 2 Seconds between housing and lead wire (+)
Life Expectancy	: 60,000 hours at 40°C, 65% humidity, 90% CL.
Protection	: Automatic Restart Note: The motor will shut down when rotor was locked, then auto restart within 10 seconds.

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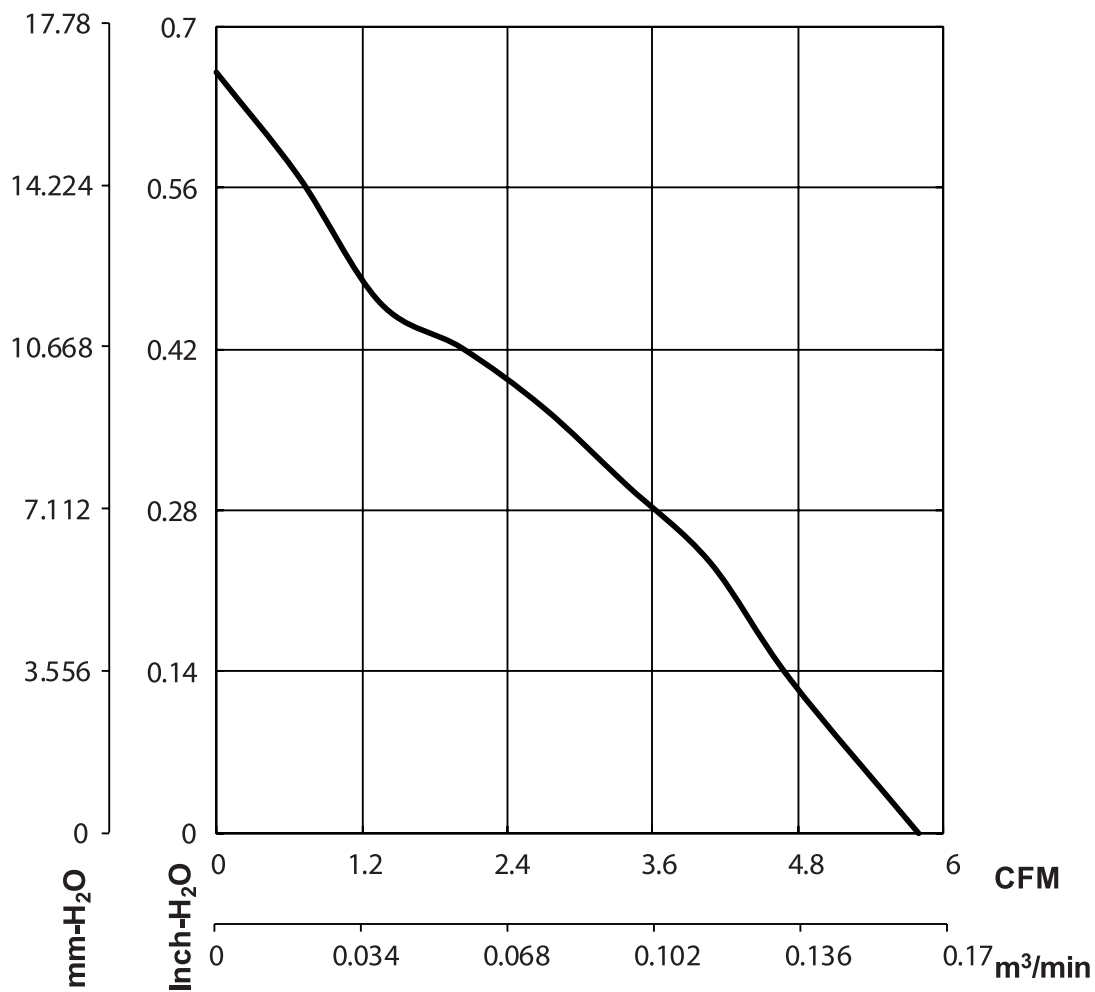
12V DC, 50mm x 50mm x 20mm

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## Safety

SAFETY	UL	CUR	TUV	CE
NO.	E77551	E77551	✓	✓

## Air Flow & Static Pressure Curve

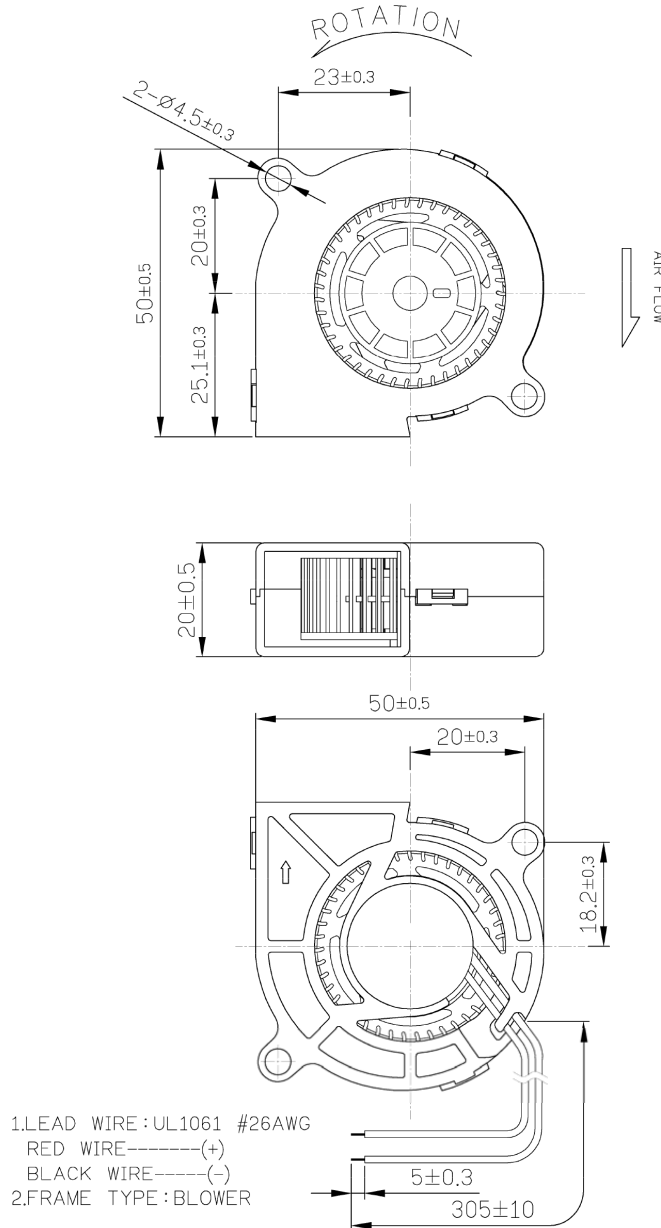


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## Dimensions



Dimensions : Millimetres

## Part Number Table

Description	Part Number
DC Brushless Blower, Vapo Bearing, 12V DC, 50mm x 50mm x 20mm, 2 Wire Leads	MP007137

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