

# Brushless DC Fan - Ball Bearing

## 24V DC, 120mm x 120mm x 38mm

**multicomp** PRO

**RoHS  
Compliant**

### Characteristics

Motor Design	: 2 phases, 4-poles Brushless DC motor.
Insulation Resistance	: More than 10M $\Omega$ between internal stator and lead wire(+) measured at DC 500V.
Dielectric Strength	: Applied AC 500V for one minute or AC 600V for 2 seconds between housing and lead wire(+)
Motor Protection	: Thermal protected.
Noise Level	: Measured in a semi-anechoic chamber with background noise level below 15 dB(A). The fan is running in free air with the microphone at a distance of one meter from the fan intake. from the fan intake.
Input Power, Current & Speed	: Measured after continuous 10 minute operation at rated voltage in clean air, and at ambient temperature of 25°C
Tolerance	: $\pm 15\%$ on rated power and current.
Air Performance	: Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.

### Specification

Rated Voltage	: 24V DC
Operating Voltage Range	: 10V DC to 27.6V DC
Starting Voltage	: 10V DC (25°C Power ON/OFF)
Rated Speed	: 4200 RPM $\pm 10\%$
Air Delivery	: 190 CFM
Static Pressure	: 0.65 Inch-H <sub>2</sub> O
Rated Current	: 760 mA
Rated Power	: 18.2 Watts
Noise Level	: 54 dB(A)
Direction of Rotation	: Counter-clockwise viewed from front of fan blade
Operating Temperature	: -10°C to +70°C
Storage Temperature	: -40°C to +70°C
Bearing System	: Precision ball bearing system
Weight	: 330 g
Safety	: UL/CUR/ TUV/CE Approvals
Protection	: Automatic Restart Capability

**Note:** In a situation where the fan is locked by an external force while the electricity is on, an increase in coil temperature will be prevented by temporarily turning off the electrical power to the motor. The fan will automatically restart when the locked rotor condition is released

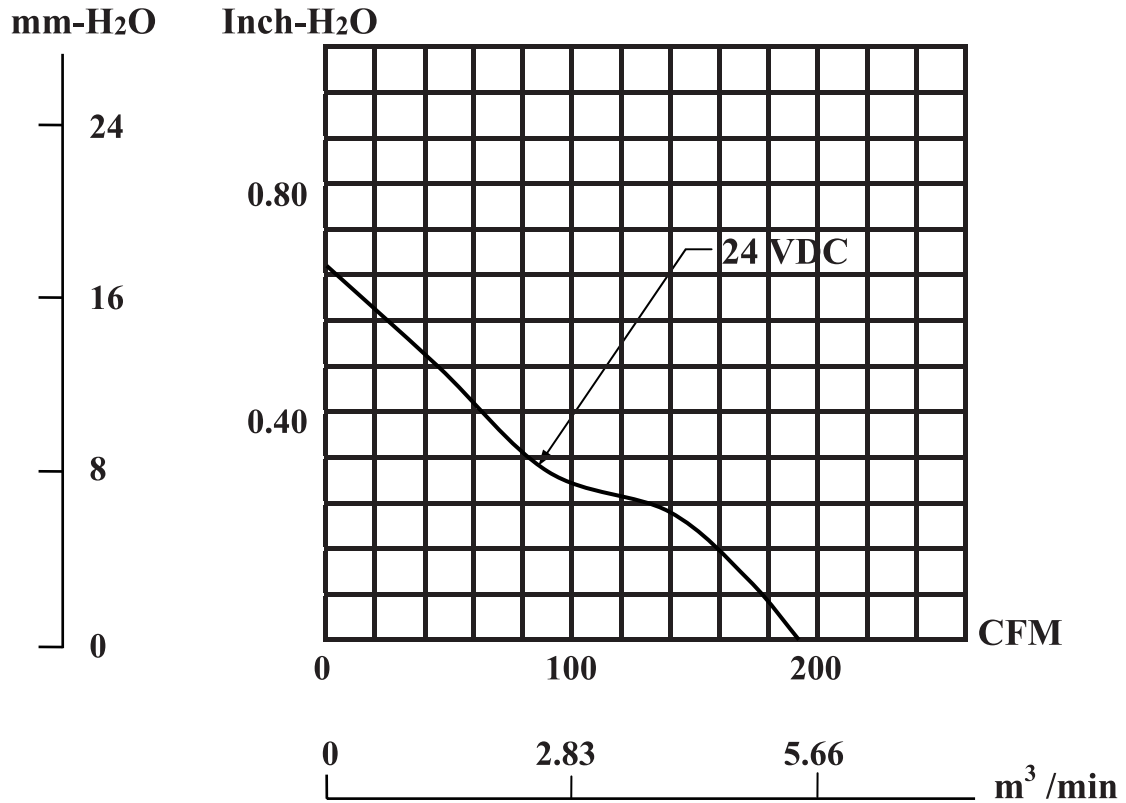
Polarity Protection

# Brushless DC Fan - Ball Bearing

## 24V DC, 120mm x 120mm x 38mm

**multicomp** PRO

### Static Pressure



### Material

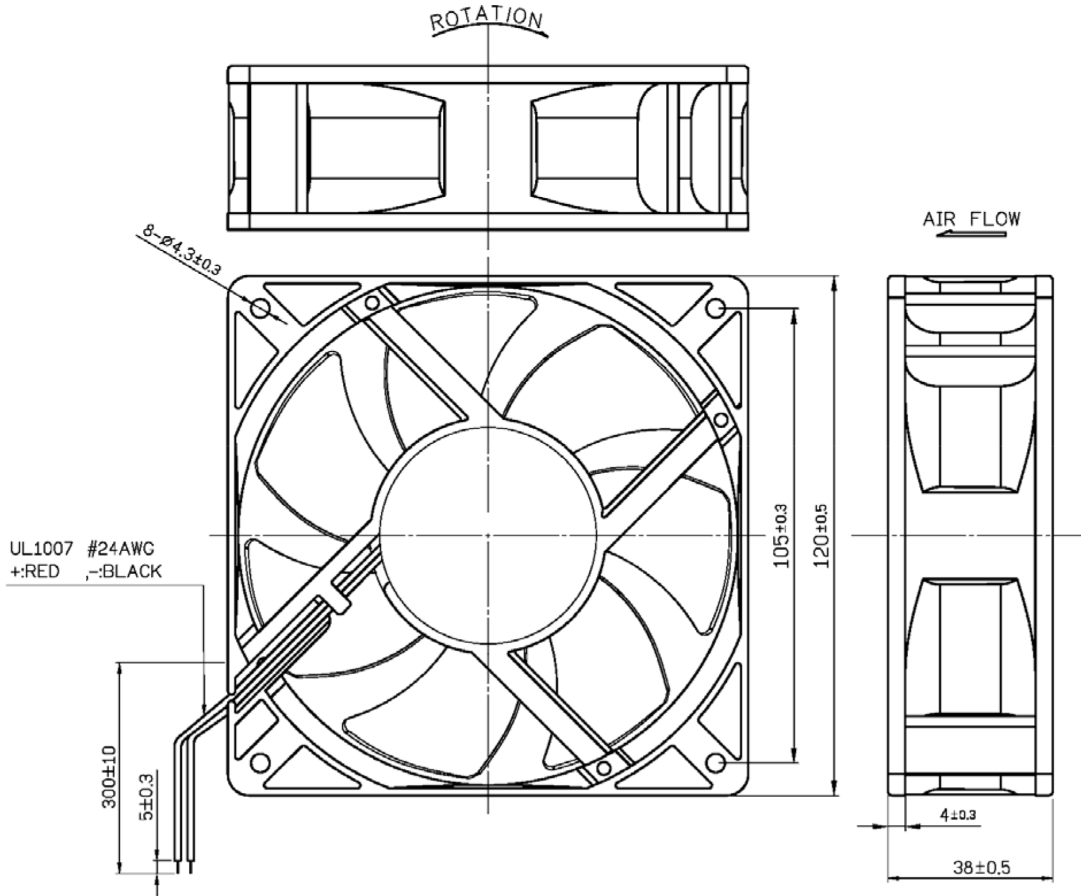
Frame : Thermoplastic PBT of UL 94V-0  
Impeller : Thermoplastic PBT of UL 94V-0  
Lead Wire : UL1007,24 awg,+RED;-BLACK

# Brushless DC Fan - Ball Bearing

## 24V DC, 120mm x 120mm x 38mm

**multicomp** PRO

### Dimensions



1. Air Flow Direction: Toward label side.
2. Best Mounting Direction: Any orientation.

Dimensions : Millimetres

### Part Number Table

Description	Part Number
Brushless DC Fan - Ball Bearing, 24V DC, 120mm x 120mm x 38mm, 2 Wire Leads	MP006492

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro  
 Farnell.com/multicomp-pro  
 Element14.com/multicomp-pro

**multicomp** PRO