



Specifications:

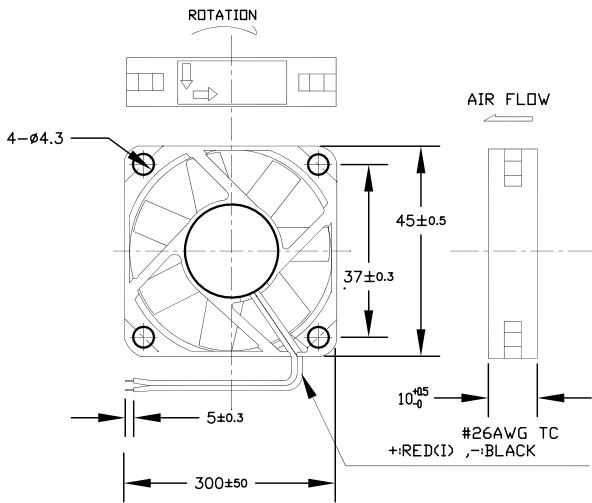
Current Type	: DC
Material	: Thermoplastic
External Height	: 45mm
External Width	: 45mm
External Depth	: 10mm
Current Rating	: 80mA
Flow Rate - Imperial	: 9.2cu.ft/min
Flow Rate - Metric	: 0.26m ³ /min
Power Connection Type	: Lead Wires
Rated Voltage	: 12V DC
Operating Voltage Range	: 4.5V DC to 13.8V DC
Rated Speed	: 5,000 RPM \pm 20%
Air Delivery	: 9.2 CFM/Max. 10.5 CFM
Static Pressure	: 0.12 inch-H ₂ O / Max 0.14 inch H ₂ O
Rated Current	: 0.08A
Rated Power	: 1W
Noise level	: 27dB (A) / Max. 35dB (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	: Vapo Bearing system
Weight	: 18.5g
Vibration	: Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions, in cycles of 1 minute each, for a total vibration time of 30 minutes.
Locked Rotor Protection	: Automatic restart capability

Characteristics

Motor Design	: Patented single-coil DC brushless 4 pole motor design
Insulation Resistance	: More than 500M Ω 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 wire (+).
Noise Level	: Measured in a semi-anechoic chamber with background noise level below 15db (A). The fan is running in free air with the microphone at a distance of one meter 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.

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.

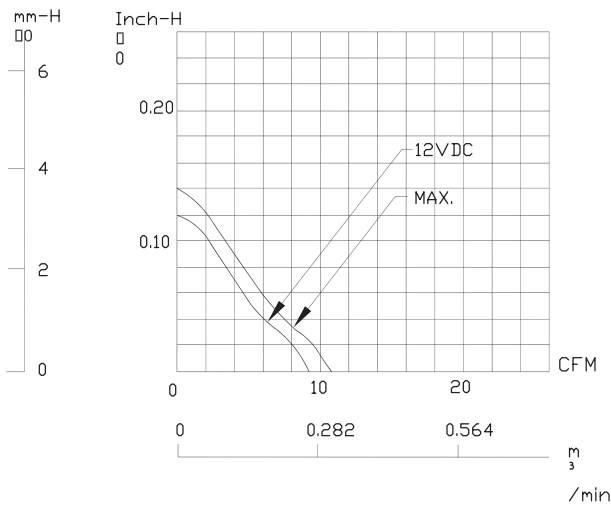
DC Brushless Fan



Dimensions : Millimetres

Performance Curves

STATIC PRESSURE



Part Number Table

Description	Part Number
DC Brushless Fan	MC19692

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