



Specifications

Mechanical Characteristics

Motor Design	: Patented single-coil DC brushless 4 pole motor design
Insulation Resistance	: More than 500MΩ between internal stator and lead wire (+) measured at DC 500V
Dielectric Strength	: Applied AC 500V for one minute of AC 600V for 2 seconds between housing and lead wire (+)
Direction of Rotation	: Counter-clockwise viewed from front of fan blade
Bearing System	: Lubricated sleeve bearing system
Frame	: Thermoplastic PBT of UL 94V-0
Impeller	: Thermoplastic PBT of UL 94V-0
Bobbin	: Thermoplastic PBT of UL 94V-0
Lead Wire	: Red (+) & Black (-)
Weight	: 39g

Electric Characteristics

Rated Voltage	: 24V DC
Operating Voltage Range	: 14.4V DC to 27.6V DC
Starting Voltage	: 14.4V DC (25°C power ON/OFF)
Rated Current	: 54mA
Rated Power	: 1.3 Watts
Operating Temperature	: -10°C to +70°C
Storage Temperature	: -40°C to +70°C

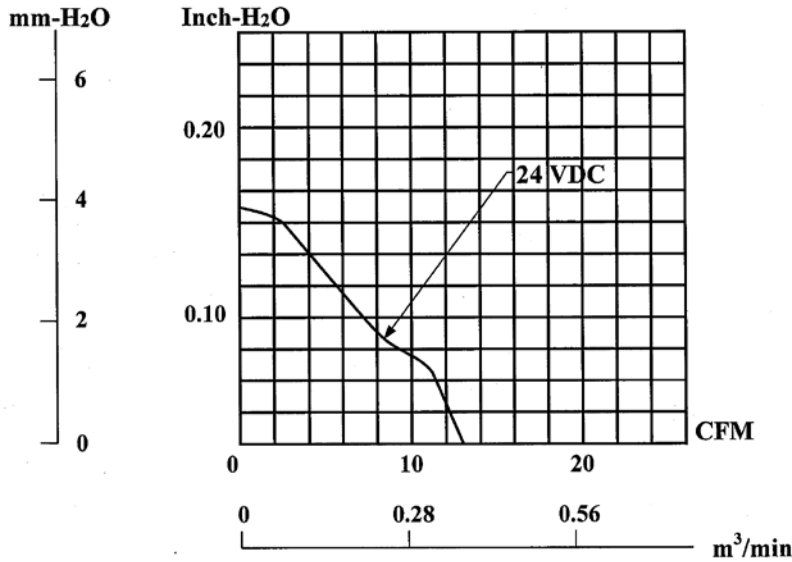
Performance Characteristics

Air Delivery	: 13 CFM
Static Pressure	: 0.17 Inch-H ₂ O
Rated Speed	: 4,700 RPM ±20%
Tolerance	: ±15% on rated power and current
Noise Level	: 29dB (A)
Air Performance	: Measured by a double chamber. The values are recorded when the fan speed has stabilized at rated voltage.
Input Power, Current & Speed	: Measured after continuous 10 minute operation at rated voltage in clean air, and at ambient temperature of 25°C.
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.
Safety	: UL Approve (UL File E175395)
Vibration	: Vibration of acceleration 1.5G and frequency 5~50~5Hz is applied in all 3 directions (X,Y,Z) in cycles of 1 minute each, for a total vibration time of 30 minutes.

DC Brushless Fan

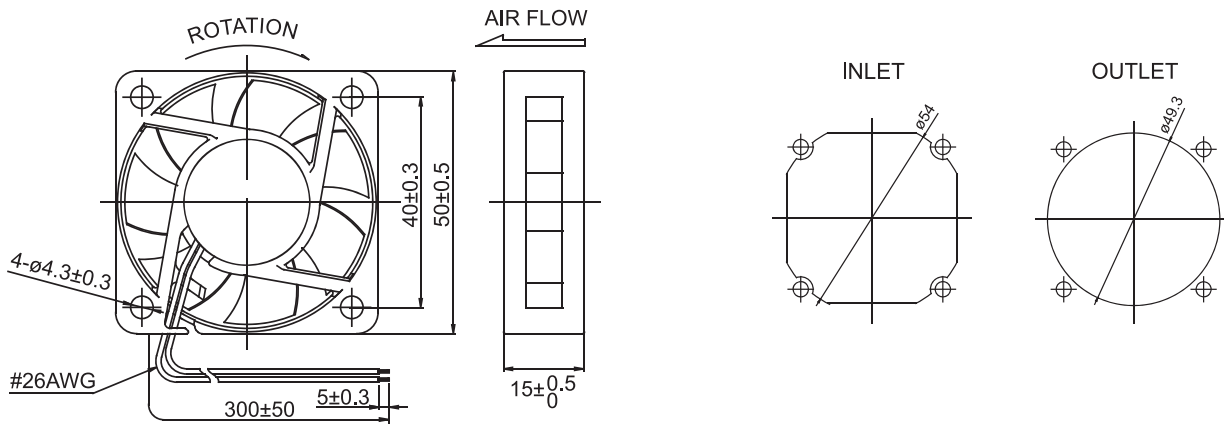


Air Flow-Static Pressure Characteristics



Air Flow Direction : Toward label side.

External Dimensions (mm)



Part Number Table

Description	Part Number
DC Brushless Fan, 50mm × 50mm × 15mm	MCKD2405PHS2.GN

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