

RoHS  
Compliant



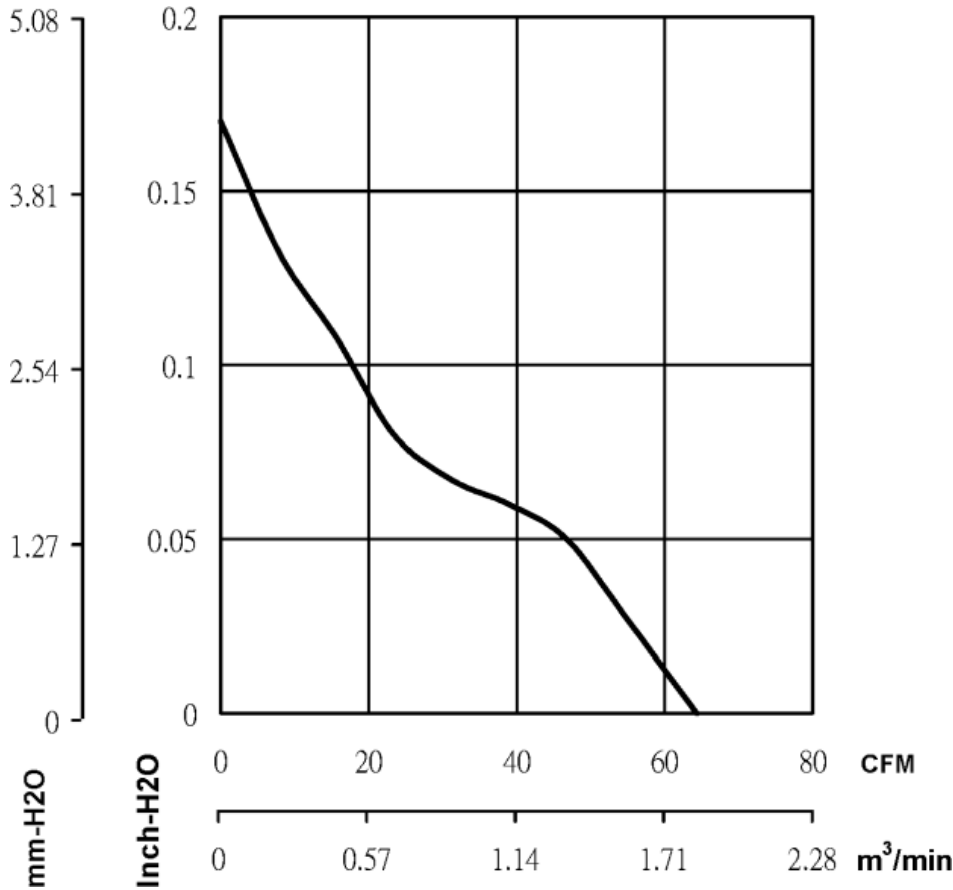
## Characteristics

Motor Design	: Single phase, 4-poles Brushless DC motor.
Insulation Resistance	: 10 MΩ minimum at 500V DC.
Dielectric Strength	: 1800V AC for one second.
Motor Protection	: Impedance 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.
Tolerance	: ±20% 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	: 110V AC to 230V AC 50Hz/60Hz
Operating Voltage Range	: 90V AC to 265V AC 50Hz/60Hz
Safety Certification Voltage Range	: 100V AC to 240V AC 50Hz/60Hz
Starting Voltage	: 85V AC (25°C Power ON/OFF)
Rated Speed	: 2000 RPM ±15%
Air Delivery	: 64.3 CFM / Min. 47.3 CFM
Static Pressure	: 0.17 Inch-H <sub>2</sub> O / min. 0.11 Inch-H <sub>2</sub> O
Rated Current	: 37 mA                      22mA
Rated Power	: 1.8 Watts
Noise Level	: 31.4 dB(A) / Max. 35.9 dB(A)
Direction of Rotation	: Counter-clockwise viewed from front of fan blade
Operating Temperature	: -25°C to +70°C
Storage Temperature	: -40°C to +70°C
Bearing System	: Precision ball bearing system
Weight	: 317g
Safety	: UL/CUR/TUV/CE Approvals
Protection	: Automatic Restart Capability
IP Class	: IP68

## Performance Curves

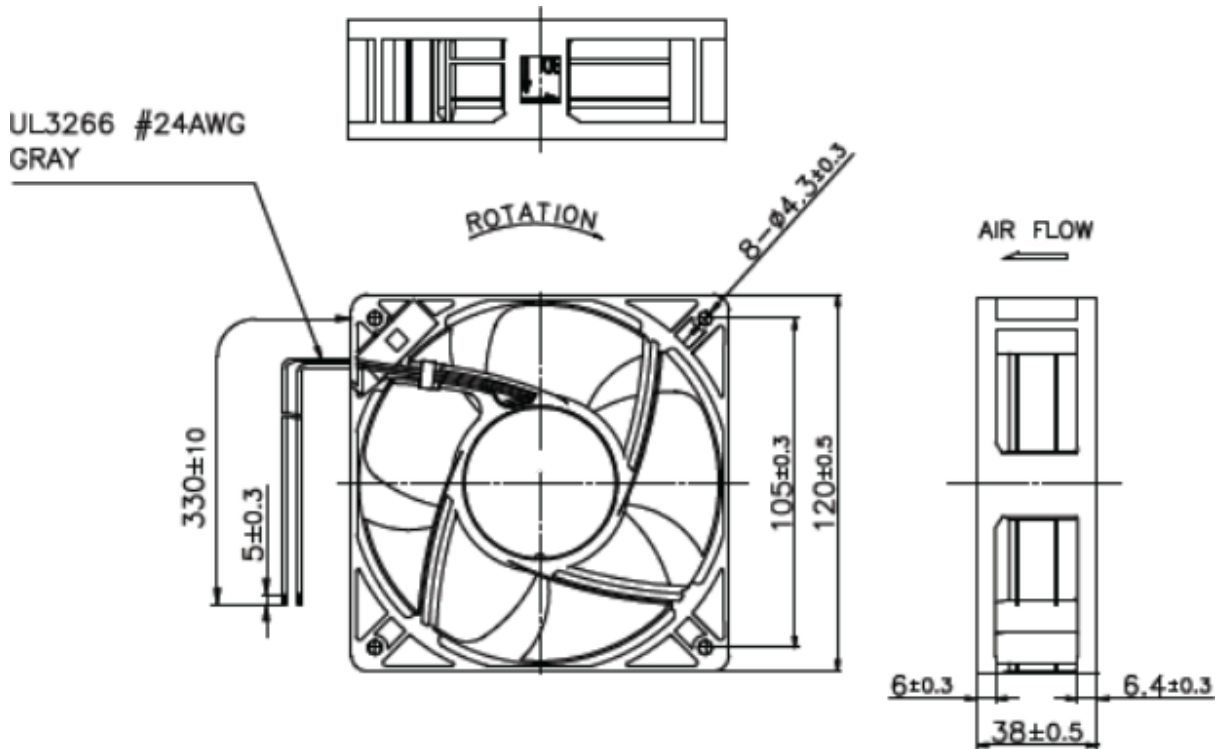


### Material

Frame : Thermoplastic PBT of UL 94V-0  
 Impeller : Thermoplastic PBT of UL 94V-0  
 Lead Wire : UL 3266 #24AWG, Gray

### Dimensions

Screw Type (Pan Head)	Torque	Screw Spec.	
		Size	Standard
Machine Screw	3~4 kgf-cm	M4	JIS B1111-1974
Self-Tapping Screw	5~8 kgf-cm	Ø5	JIS B1122 Type 2



Best Mounting Direction: Any orientation.

Dimensions : Millimetres

## Part Number Table

Description	Part Number
AC Axial Fan, 120mm × 38mm, 100V-230V AC, IP68	MP-CF4113LBL-0000-AE9

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