

Axial AC Fan - Ball Bearing

115V AC, 120mm x 120mm x 38mm

multicomp PRO

**RoHS
Compliant**



Characteristic

Motor Design	Reliable Shaded-Pole Motor Construction.
Insulation Resistance	500 Megohms 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	±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	: 115V AC 50/60 Hz
Operating Voltage Range	: 85-125V AC
Starting Voltage	: 85V AC (25°C POWER ON/OFF)
Rated Speed	: 2750/3050 RPM ± 7%
Air Delivery	: Nominal 87.0/107.0 CFM
Static Pressure	: Nominal 0.26/0.32 Inch-H ₂ O
Rated Current	: 0.21/0.18 AMP
Rated Power	: 20.00/18.00 WATTS
Noise Level	: Nominal 45.0/50.0 dB(A)
Direction of Rotation	: Counter-clockwise viewed from front of fan blade
Operating Temperature	: -40°C to +70°C
Storage Temperature	: -40°C to +70°C
Bearing System	: Precision ball bearing system
Weight	: 550 g
Safety	: UL/CUR/TUV/CE Approvals
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.
1-17.IP Class	: IP55 : According to IEC 60529 (or IEC 34-5) IP standard, the average temperature is 23°C to 24°C and humidity is 67% RH for Dust Water Test. The fan needs to be test and Spray Put in dust box for 8 hours for Dust Test and be sprayed low pressure jets of water from all directions for Spray Water Test. After these 2 tests, which executing by regular standard, the fan will be measured the performance is normal or not. PS. There are different applicative environments and systems by different customers, so please put the product in the most suitable environment to measure the performances.

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Material

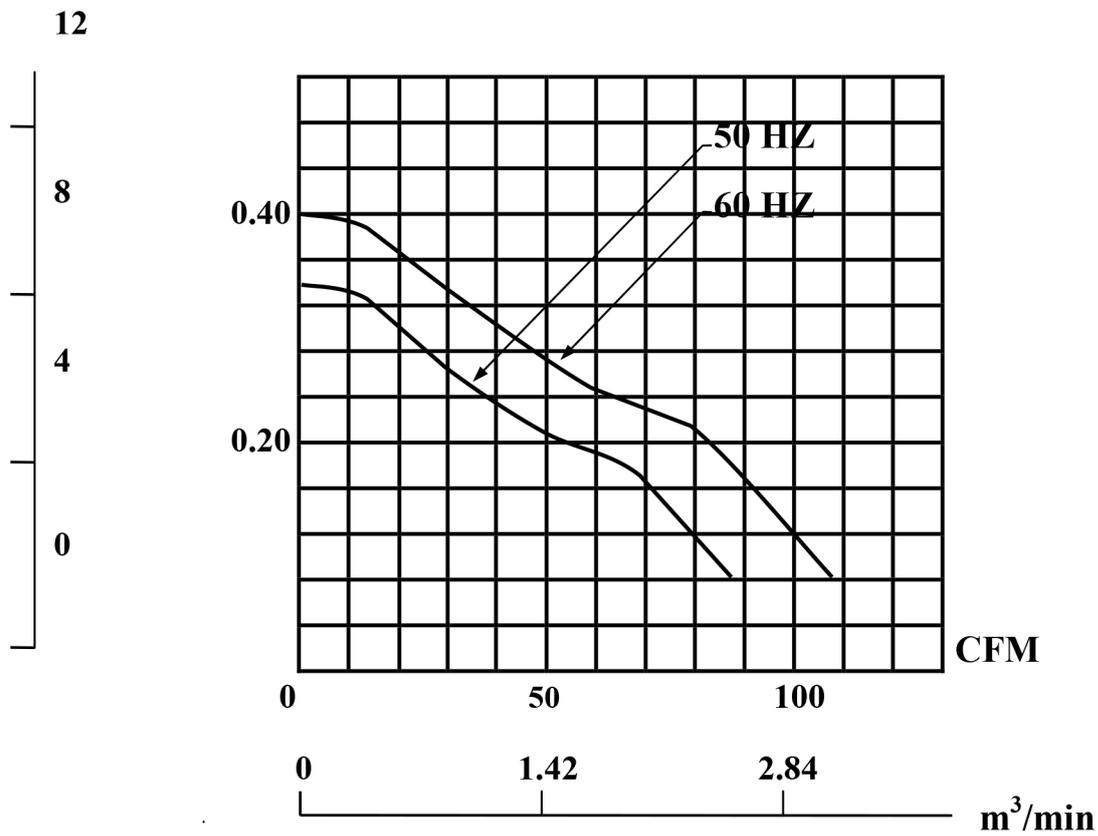
Frame : DIE-Cast Aluminum
Impeller : Thermoplastic PBT of UL 94V-0

Performance Curves

Static Pressure

mm-H₂O

Inch-H₂O



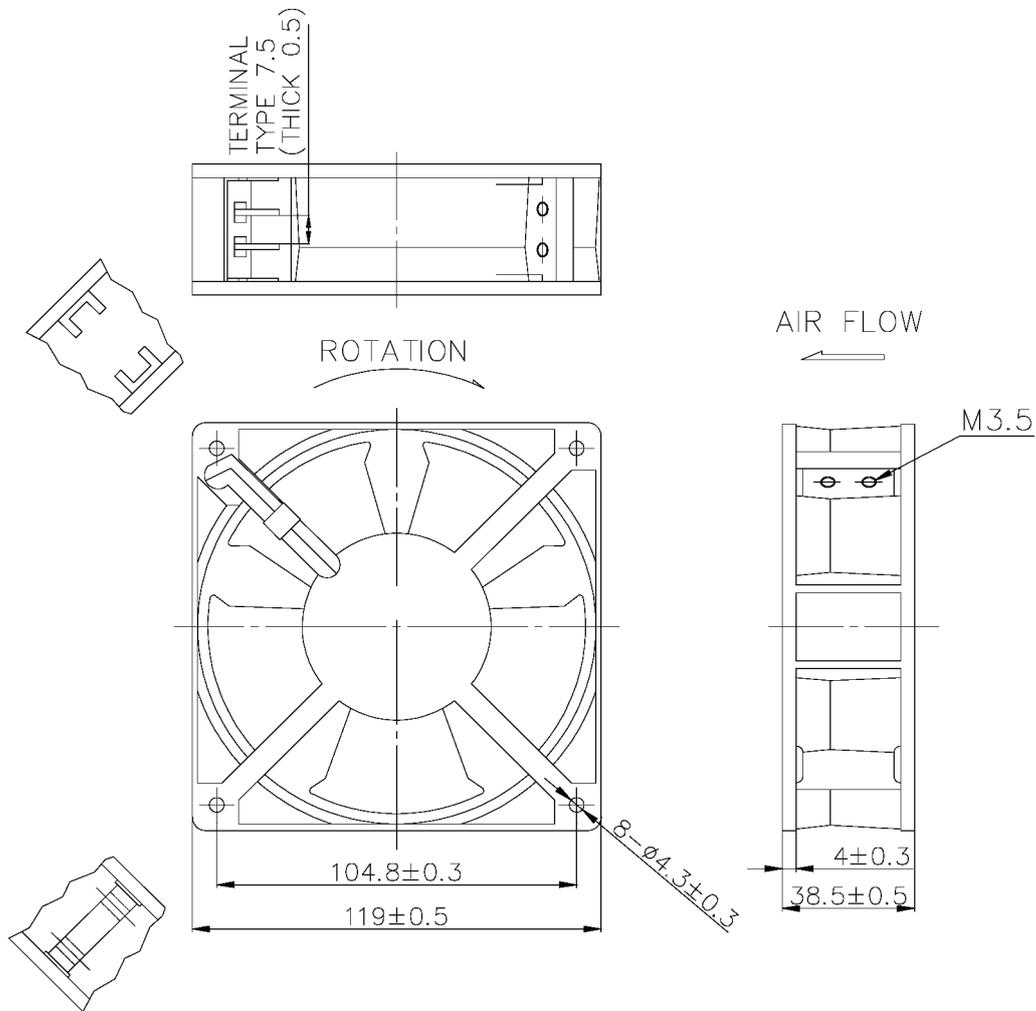
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Dimensions



Dimensions : Millimetres

Part Number Table

Description	Part Number
Axial AC Fan, Ball Bearing, 115V AC, 120mm x 120mm x 38mm, 2 Pin Connector	MP006508

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