



JE12038EC — 120 × 120 × 38 mm EC Axial Fan

Typical Applications

Industrial Automation Heat dissipation for internal power modules of frequency converters and servo drives; ventilation for PLC electrical control cabinets, distribution boxes and industrial control cabinets	Welding & Power Supplies Welding equipment and industrial switching power supplies; heat dissipation for industrial IPCs and 3D printers
Commercial Refrigeration Heat dissipation for freezer units, condensers and compressors; ventilation for fresh-keeping cabinets and commercial kitchen refrigeration equipment	New Energy & Power UPS uninterruptible power supplies; small charging pile modules; PV inverters and BMS of energy-storage battery cabinets; outdoor electrical control cabinets
Lighting & Stage Equipment Heat dissipation for high-power LED power supplies and LED display screen cabinets; moving-head stage lights and bar laser lighting equipment	Medical Equipment Chassis ventilation for analytical instruments and patient monitors; heat dissipation for oxygen concentrators
Telecom & Network Equipment Heat dissipation for switch enclosures, network server chassis and power supplies of outdoor communication cabinets	Home Appliances & Others Air purifiers, fresh-air electronic control units and drying equipment; electronic control boxes for fitness equipment; power-board cooling for laser printers and copiers

General Specifications

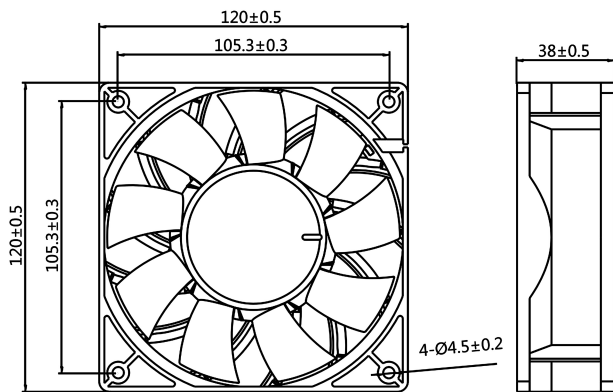
- **Series size:** 120 × 120 × 38 mm
- **Frame:** Thermoplastic PBT, UL 94V-0
- **Impeller:** Thermoplastic PBT, UL 94V-0
- **Bearing system:** Ball or Sleeve
- **Life expectancy:** 30,000 hrs (Sleeve) / 50,000 hrs (Ball), continuous operation at 25°C, 65% RH
- **Rated voltages:** 115 / 230 VAC
- **Frequency:** 50 / 60 Hz
- **Speed:** 4,500 RPM
- **Max airflow:** 209.1 CFM | **Max pressure:** 25.5 mmH₂O
- **Weight:** 294.5 g

Performance Data

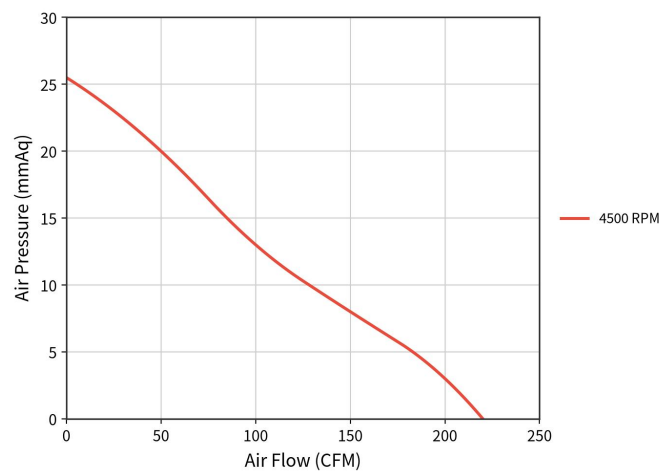
Model	Rated Voltage	Operating Voltage Range	Frequency	Rated Input Power	Speed	Max. Airflow	Max. Static Pressure	Noise
JE12038H110	115 VAC	80–135 VAC	50/60 Hz	30.0 W	4,500 RPM	209.1 CFM	25.5 mmH ₂ O	64.7 dB(A)
JE12038H220	230 VAC	180–265 VAC	50/60 Hz	30.0 W	4,500 RPM	209.1 CFM	25.5 mmH ₂ O	64.7 dB(A)

Available Functions

Motor Protection	Signal Output	Speed Control Mode
RP ○ SS ○ LP ○ CL ○ OVP ○	FG ● RD ● RDB ○ LD ○	PWM ○ TC ○ VC ○ CC ○ CS ○



Mechanical Dimensions (mm)



Airflow — Static Pressure Curve