



JE12025EC — 120 × 120 × 25 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 Cold air circulation inside refrigerated display cabinets and beverage cabinets; 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 (silent version preferred)
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

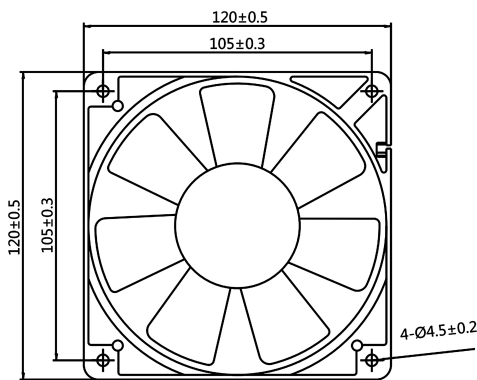
- **Series size:** 120 × 120 × 25 mm
- **Frame:** Thermoplastic PBT, UL 94V-0
- **Impeller:** Thermoplastic PBT, UL 94V-0
- **Bearing system:** Ball or Sleeve
- **Life expectancy:** 30,000 hrs (Sleeve) / 50,000 hrs (Ball), continuous operation at 25°C, 65% RH
- **Rated voltages:** 115 / 230 VAC
- **Frequency:** 50 / 60 Hz
- **Speed:** 3,000 RPM
- **Max airflow:** 93.6 CFM | **Max pressure:** 8.0 mmH₂O
- **Weight:** 172 g

Performance Data

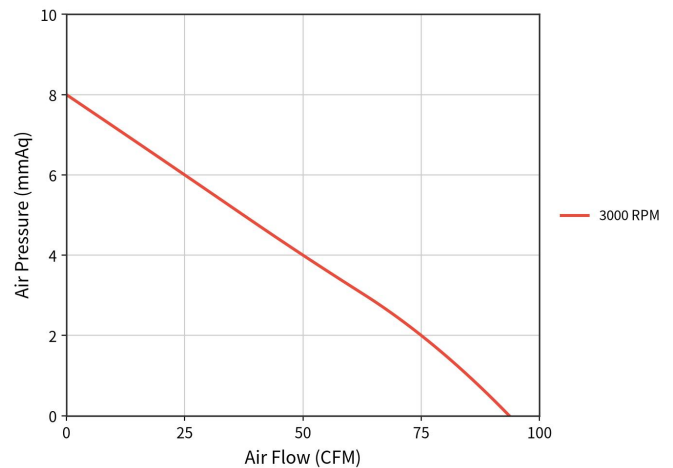
Model	Rated Voltage	Operating Voltage Range	Frequency	Rated Input Power	Speed	Max. Airflow	Max. Static Pressure	Noise
JE12025M110	115 VAC	80–135 VAC	50/60 Hz	4.5 W	3,000 RPM	93.6 CFM	8.0 mmH ₂ O	49.0 dB(A)
JE12025M220	230 VAC	180–265 VAC	50/60 Hz	4.5 W	3,000 RPM	93.6 CFM	8.0 mmH ₂ O	49.0 dB(A)

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