

JR6025 — 60 × 60 × 25 mm DC Frame-less Fan

Typical Applications

Industrial Automation Heat dissipation for small servo drives and miniature frequency converters; ventilation for compact PLC control boxes and small-size industrial switching power supplies; cooling for small-sized 3D printers	**New Energy & Power** Heat dissipation for small battery management systems (BMS); cooling of portable charging modules and miniature power supply units
Lighting & Stage Equipment Heat dissipation for small-power LED drivers and mini LED display cabinets; thermal cooling for compact stage effect lights	**Medical Equipment** Chassis ventilation for portable analytical instruments and compact medical monitoring devices
Telecom & Network Equipment Heat dissipation for mini network switches, gateway housings and small communication power supplies	**Home Appliances & Consumer Electronics** Cooling for humidifiers, small air purifiers, portable drying machines; heat dissipation for projector and printer main-board; heat dissipation for low-profile discrete graphics cards

General Specifications

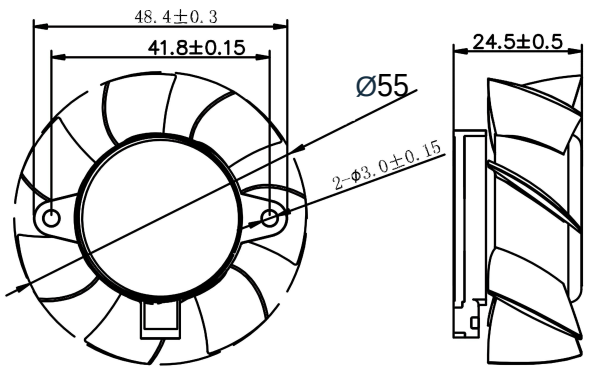
- **Series size:** 60 × 60 × 25 mm
- **Frame:** Thermoplastic PBT, UL 94V-0 (frame-less design)
- **Impeller:** Thermoplastic PC, UL 94V-0
- **Bearing system:** Ball or Sleeve
- **Life expectancy:** 30,000 hrs (Sleeve) / 50,000 hrs (Ball), continuous operation at 25°C, 65% RH
- **Rated voltages:** 5 / 12 / 24 VDC
- **Speeds:** 3,000 / 4,000 / 5,000 / 6,000 RPM
- **Max airflow:** 30.72 CFM
- **Max static pressure:** 11.44 mmH_2O
- **Weight:** 20.4 g

Performance Data

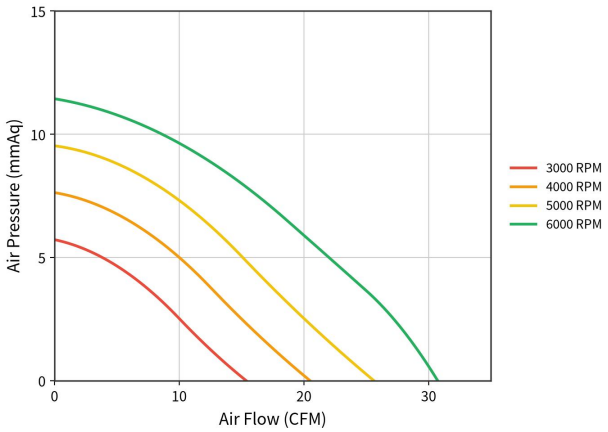
Model	Rated Voltage	Operating Voltage Range	Rated Current	Rated Input Power	Speed	Max. Airflow	Max. Static Pressure	Noise
JR6025L05	5 VDC	3.6–6.8 VDC	0.16 A	0.80 W	3,000 RPM	15.36 CFM	5.72 mmH_2O	26.5 dB(A)
JR6025L12	12 VDC	7.0–13.5 VDC	0.06 A	0.72 W	3,000 RPM	15.36 CFM	5.72 mmH_2O	26.5 dB(A)
JR6025L24	24 VDC	18–26.5 VDC	0.03 A	0.72 W	3,000 RPM	15.36 CFM	5.72 mmH_2O	26.5 dB(A)
JR6025M05	5 VDC	3.6–6.8 VDC	0.34 A	1.70 W	4,000 RPM	20.48 CFM	7.63 mmH_2O	33.2 dB(A)
JR6025M12	12 VDC	7.0–13.5 VDC	0.14 A	1.68 W	4,000 RPM	20.48 CFM	7.63 mmH_2O	33.2 dB(A)
JR6025M24	24 VDC	18–26.5 VDC	0.06 A	1.54 W	4,000 RPM	20.48 CFM	7.63 mmH_2O	33.2 dB(A)
JR6025H05	5 VDC	3.6–6.8 VDC	0.70 A	3.50 W	5,000 RPM	25.60 CFM	9.53 mmH_2O	38.4 dB(A)
JR6025H12	12 VDC	7.0–13.5 VDC	0.28 A	3.36 W	5,000 RPM	25.60 CFM	9.53 mmH_2O	38.4 dB(A)
JR6025H24	24 VDC	18–26.5 VDC	0.14 A	3.36 W	5,000 RPM	25.60 CFM	9.53 mmH_2O	38.4 dB(A)
JR6025H05-HH	5 VDC	3.6–6.8 VDC	1.22 A	6.10 W	6,000 RPM	30.72 CFM	11.44 mmH_2O	40.3 dB(A)
JR6025H12-HH	12 VDC	7.0–13.5 VDC	0.48 A	5.60 W	6,000 RPM	30.72 CFM	11.44 mmH_2O	40.3 dB(A)
JR6025H24-HH	24 VDC	18–26.5 VDC	0.25 A	6.00 W	6,000 RPM	30.72 CFM	11.44 mmH_2O	40.3 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