

JF12038 — 120 × 120 × 38 mm High-Performance DC Axial Fan

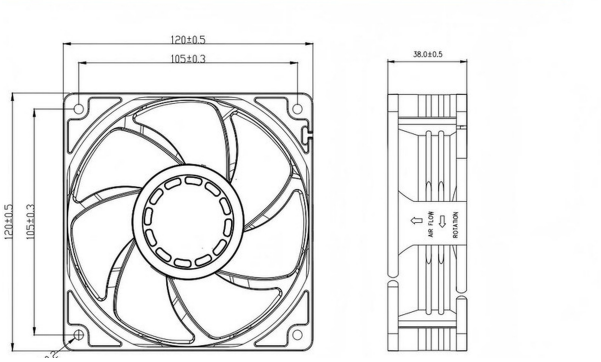
High-airflow, high-pressure 120 mm fan for servers, power supplies, inverters and industrial cooling

General Specifications

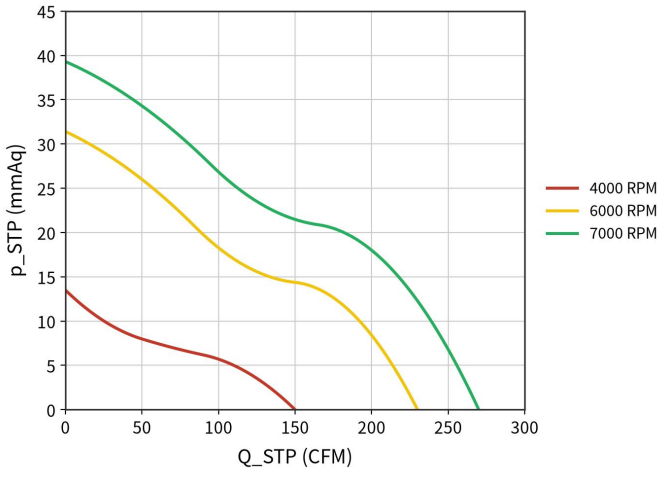
- **Series size:** 120 × 120 × 38 mm
- **Frame / impeller:** Flame-retardant PBT, UL 94V-0
- **Bearing system:** Ball or sleeve bearing
- **Mounting holes:** 4×Ø4.5 ±0.2 mm
- **Rated voltages:** 12 / 24 / 48 VDC
- **Speed options:** 4,000 / 6,000 / 7,000 RPM
- **Max airflow:** 246.20 CFM | **Max pressure:** 39.30 mmH_2O
- **Functions:** Motor protection, FG/RD/PWM optional

Performance Data

Model	Rated Voltage	Operating Voltage	Rated Current	Input Power	Speed	Max. Airflow	Max. Static Pressure	Noise
JF12038-12M	12 VDC	8.0–13.5 VDC	0.80 A	9.60 W	4,000 RPM	4.08 m³/min (144.00 CFM)	13.50 mmH_2O (0.53 inH_2O)	54.2 dB(A)
JF12038-24M	24 VDC	18–26.5 VDC	0.40 A	9.60 W	4,000 RPM	4.08 m³/min (144.00 CFM)	13.50 mmH_2O (0.53 inH_2O)	54.2 dB(A)
JF12038-48M	48 VDC	36–54 VDC	0.20 A	9.60 W	4,000 RPM	4.08 m³/min (144.00 CFM)	13.50 mmH_2O (0.53 inH_2O)	54.2 dB(A)
JF12038-12H	12 VDC	8.0–13.5 VDC	2.80 A	33.60 W	6,000 RPM	6.63 m³/min (234.00 CFM)	31.40 mmH_2O (1.24 inH_2O)	62.0 dB(A)
JF12038-24H	24 VDC	18–26.5 VDC	1.40 A	33.60 W	6,000 RPM	6.63 m³/min (234.00 CFM)	31.40 mmH_2O (1.24 inH_2O)	62.0 dB(A)
JF12038-48H	48 VDC	36–54 VDC	0.70 A	33.60 W	6,000 RPM	6.63 m³/min (234.00 CFM)	31.40 mmH_2O (1.24 inH_2O)	62.0 dB(A)
JF12038-12U	12 VDC	8.0–13.5 VDC	3.80 A	45.60 W	7,000 RPM	6.97 m³/min (246.20 CFM)	39.30 mmH_2O (1.55 inH_2O)	69.5 dB(A)
JF12038-24U	24 VDC	18–26.5 VDC	1.90 A	45.60 W	7,000 RPM	6.97 m³/min (246.20 CFM)	39.30 mmH_2O (1.55 inH_2O)	69.5 dB(A)
JF12038-48U	48 VDC	36–54 VDC	1.00 A	48.00 W	7,000 RPM	6.97 m³/min (246.20 CFM)	39.30 mmH_2O (1.55 inH_2O)	69.5 dB(A)



Mechanical Dimensions (mm)



Airflow — Static Pressure Curve

Specifications subject to change without notice