

VF80801BX-Q051-S9H Sunon 12VDC 80x80x80mm Dual Motor Blower Datasheet



Brand: SUNON

SKU: 1034554273888

Category: Axial & Centrifugal Fans

Price: \$22.99

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Product Page:

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Product Description

Sunon VF80801BX-Q051-S9H is a 12VDC 80x80x80mm Blower optimized for high-density thermal management in environments with extreme system impedance. This dual-motor counter-rotating assembly utilizes advanced motor technology and precision bearing architecture to maximize structural rigidity and minimize thermal impedance. The aerodynamic design is engineered for high-velocity airflow, drawing a significant 10.80A current to deliver massive static pressure. Operating at ultra-high RPM, this unit is specifically designed to overcome the backpressure found in tightly packed server enclosures and industrial power modules, ensuring critical components remain within safe operating temperatures even under peak loads.

Model Number: VF80801BX-Q051-S9H

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Product Type: Dual Motor Blower / Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 10.80 A

Power: 129.6 W

Rated Speed: Ultra-High RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: High Volume Output

Max. Static Pressure: Extreme Pressure Rating

Dimensions: 80 x 80 x 80 mm

Weight: Heavy Duty Industrial Grade

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring: Tachometer / Frequency Generator

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: Lead Wires

Protection: Locked Rotor Protection, Reverse Polarity Protection

Operating Temperature: -10 to +70 °C

VF80801BX-Q051-S9H Applications

1. 1U/2U High-Density Servers: The counter-rotating dual motor design provides the extreme static pressure required to push air through dense heatsinks and tightly packed PCB arrays.
2. Cryptocurrency Mining Rigs: Ideal as a high-performance replacement fan for ASIC miners where maximum heat dissipation is critical for hardware longevity.
3. Industrial Power Inverters: Provides necessary cooling for high-amperage VFDs and power conversion modules where thermal throttling must be avoided.
4. Telecom Base Stations: Engineered for ruggedized outdoor enclosures requiring high-velocity airflow to maintain internal ambient temperatures.

Supplemental Images

