

PF60381BX-Q090-S99 SUNON 12VDC 60x60x38mm 30W Axial Fan Datasheet



Brand: SUNON

SKU: 915654147050

Category: Axial & Centrifugal Fans

Price: \$23.99

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Product Page:

<https://www.equipspares.com/product/pf60381bx-q090-s99-sunon-12vdc-60x60x38mm-30w-axial-fan>

Product Description

The SUNON PF60381BX-Q090-S99 is a high-performance DC axial fan specifically engineered for mission-critical server cooling applications where high static pressure is paramount. This unit features a robust 30W motor architecture designed to overcome significant thermal impedance within dense chassis environments. Utilizing advanced aerodynamic blade geometry and precision ball bearing technology, the fan delivers sustained airflow stability and exceptional structural rigidity under heavy operational loads. The design prioritizes rapid heat dissipation, making it an essential component for maintaining optimal thermal envelopes in enterprise-grade hardware and high-density computing systems.

Model Number: PF60381BX-Q090-S99

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Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 2.50 A

Power Consumption: 30.00 W

Rated Speed: 19000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 69.50 CFM (118.1 m³/h / 1.97 m³/min)

Max. Static Pressure: 152.4 mmH₂O (1494 Pa / 6.00 inH₂O)

Dimensions: 60 x 60 x 38 mm

Weight: 215 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Ingress Protection: IP54

Noise Level: 64.0 dB(A)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Termination: 4-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Safety Certifications: UL, CUR, TUV, CE

Motor Protection: Polarity Protection, Locked Rotor Protection

Designed specifically for high-impedance environments, the PF60381BX-Q090-S99 excels in 1U and 2U server rack assemblies where backpressure is a significant factor. This cooling solution is frequently deployed in data center blade servers, redundant power supply units, and high-performance computing clusters requiring rapid heat dissipation. The PF60381BX-Q090-S99 ensures reliable operation in telecommunications equipment and industrial automation systems, effectively managing thermal loads to prevent hardware throttling and extend component lifespan.

Supplemental Images

