

# PFC0384B1-Q100-S99 SUNON 48VDC 120x120x38mm Axial Fan Datasheet



**Brand:** SUNON

**SKU:** [840645935861](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$29.99**

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Product Page:

<https://www.equipspares.com/product/pfc0384b1-q100-s99-sunon-48vdc-120x120x38mm-axial-fan>

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## Product Description

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The SUNON PFC0384B1-Q100-S99 is a high-performance DC axial fan engineered for demanding industrial thermal management applications. Utilizing advanced DC brushless motor technology and a precision ball bearing architecture, this unit delivers exceptional rotational stability and longevity under continuous operation. The aerodynamic design of the impeller minimizes turbulence while maximizing static pressure, ensuring efficient heat dissipation in high-impedance environments. Constructed with high-grade materials for structural rigidity, the fan maintains optimal performance metrics even under thermal stress, making it a reliable solution for critical cooling systems requiring low thermal impedance and robust durability.

Model Number: PFC0384B1-Q100-S99

Brand: SUNON

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 0.36 A

Power Consumption: 17.3 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 190.0 CFM (322.8 m<sup>3</sup>/h)

Max. Static Pressure: 0.96 inH<sub>2</sub>O (239 Pa)

Dimensions: 120 x 120 x 38 mm

Weight: 330 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 56.0 dB(A)

Speed Control: PWM / Tachometer (4-Wire)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 4-Wire Lead

Ingress Protection: IP20

Safety Certifications: UL, CUR, TUV, CE

The PFC0384B1-Q100-S99 is specifically designed for high-density electronic enclosures, including server racks, telecommunications base stations, and industrial automation control panels. Its high static pressure capabilities make the PFC0384B1-Q100-S99 ideal for forcing air through restrictive filters and tightly packed component arrays found in medical instrumentation and power supply units. Additionally, this model is frequently utilized in network switches and storage arrays where consistent airflow is critical for system reliability.

## Supplemental Images

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