

PF97331B1-B00C-A99 SUNON 12VDC 97x97x33mm 42W Blower Datasheet



Brand: SUNON

SKU: [989106077915](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/pf97331b1-b00c-a99-sunon-12vdc-97x97x33mm-42w-blower>

Product Description

The SUNON PF97331B1-B00C-A99 is a high-performance DC centrifugal blower engineered for extreme thermal management applications requiring substantial static pressure. Utilizing advanced DC motor technology coupled with a precision dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous high-load operation. The aerodynamic impeller design minimizes turbulence while maximizing air throughput, effectively reducing thermal impedance in dense electronic enclosures. Its robust structural rigidity and high power density make it an ideal solution for critical cooling environments where reliability and airflow efficiency are paramount.

Model Number: PF97331B1-B00C-A99

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Product Type: DC Centrifugal Blower

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 3.50 A

Power Consumption: 42.00 W

Rated Speed: 6400 RPM

Bearing Type: Precision Dual Ball Bearing

Max. Air Flow: 58.5 CFM (99.4 m³/h / 1.66 m³/min)

Max. Static Pressure: 4.85 inH₂O (1208 Pa / 123.2 mmH₂O)

Dimensions: 97mm x 97mm x 33mm

Weight: 185 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 66.0 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: 4-Wire (Frequency Generator / Tachometer)

Housing Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP51 (Standard)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Class: Class A

Motor Protection: Polarity Protection, Locked Rotor Protection

Termination: Lead Wires (UL1007, 24AWG)

Certifications: UL, CUR, TUV, CE

Designed for high-impedance systems, the PF97331B1-B00C-A99 excels in cooling enterprise-grade server racks and telecommunications base stations where backpressure is a significant challenge. This blower is frequently integrated into industrial automation equipment and medical instrumentation requiring focused airflow to dissipate heat from sensitive components. The PF97331B1-B00C-A99 ensures operational stability in 1U/2U chassis and high-density computing clusters, providing the necessary thermal headroom for overclocked processors and power supply units.

Supplemental Images

