

PF60251BX-Q030-S99 SUNON 12VDC 4.14W 60x60x25mm Axial Fan Datasheet



Brand: SUNON

SKU: [1039834989447](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/pf60251bx-q030-s99-sunon-12vdc-4-14w-60x60x25mm-axial-fan>

Product Description

The SUNON PF60251BX-Q030-S99 is a high-performance DC axial fan measuring 60 x 60 x 25 mm with a nominal operating voltage of 12 VDC and a power consumption of 4.14 W. This unit features a precision dual ball bearing system and a 4-pole brushless DC motor housed within a UL 94V-0 rated thermoplastic frame and impeller. The fan is equipped with a 4-wire interface supporting Pulse Width Modulation (PWM) for dynamic speed control and a tachometer output for real-time RPM monitoring. Its internal mechanism is engineered for high-pressure output, reaching a rotational speed of approximately 8300 RPM to deliver an airflow of 40.0 CFM and a static pressure of 0.66 inch-H₂O. The structural design includes an auto-restart function and is optimized for continuous operation in environments ranging from -10 to +70 °C.

PF60251BX-Q030-S99 Specifications

Model Number: PF60251BX-Q030-S99

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Dimensions: 60 x 60 x 25 mm

Rated Voltage: 12 VDC

Operating Voltage Range: 6.0 to 13.8 VDC

Rated Current: 0.345 A

Rated Power: 4.14 W

Rated Speed: 8300 RPM

Airflow: 40.0 CFM

Static Pressure: 0.66 inch-H₂O

Noise Level: 46.0 dBA

Bearing Type: Dual Ball Bearing

Interface: 4-wire (Red: +, Black: -, Yellow: FG, Blue: PWM)

Motor Design: 4-pole Brushless DC Motor

Frame Material: Thermoplastic PBT (UL 94V-0)

Impeller Material: Thermoplastic PBT (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +70 °C

Insulation Resistance: 10M ohm at 500 VDC

Dielectric Strength: 500 VAC for 1 minute

Weight: 40.5 g

Safety Approvals: UL, TUV, CE

Features: PWM Speed Control, Tachometer (FG) Signal, Auto Restart

PF60251BX-Q030-S99 Applications

Primary applications include integration into 1U server chassis, network switch enclosures, and industrial power supply cooling systems. Deployed within telecommunications base stations, medical diagnostic equipment, and high-density electronic racks requiring precise thermal management via PWM control.

Supplemental Images

