

PFC0382BX-1Q08C-SAP SUNON 24VDC 80x80x38mm PWM Axial Fan Datasheet



Brand: SUNON

SKU: 1001869316620

Category: Axial & Centrifugal Fans

Price: \$60.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/pfc0382bx-1q08c-sap-sunon-24vdc-80x80x38mm-pwm-axial-fan>

Product Description

The SUNON PFC0382BX-1Q08C-SAP is a high-static pressure Axial Fan engineered for mission-critical thermal management. Utilizing advanced DC motor technology and a dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous load. The 80x80x38mm frame design optimizes aerodynamic throughput, significantly reducing thermal impedance in high-density enclosures. With a power rating of 35.88W, it delivers aggressive airflow performance while maintaining structural rigidity, making it an ideal solution for overcoming high system resistance in industrial and server environments.

Model Number: PFC0382BX-1Q08C-SAP

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Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 1.495 A

Power: 35.88 W

Rated Speed: 13000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 132.5 CFM (225.1 m³/h / 3.75 m³/min)

Max. Static Pressure: 2.73 inH₂O (69.34 mmH₂O / 680 Pa)

Dimensions: 80x80x38mm

Weight: 170 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 66.0 dB(A)

Control Interface: 4-Wire PWM

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Protection: Auto Restart, Polarity Protection

Designed for high-density computing environments, the PFC0382BX-1Q08C-SAP excels in 1U and 2U server rack assemblies where backpressure is significant. Ideally suited for frequency converters, industrial power supplies, and telecommunications cabinets, this fan ensures components operate within safe thermal limits. The PFC0382BX-1Q08C-SAP is also frequently utilized in precision CNC machinery and medical instrumentation requiring robust airflow to dissipate heat from power electronics and drive systems efficiently.

Supplemental Images

