

109R1248H116 Sanyo Denki 48VDC 80x80x15mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 1033691508103

Category: Axial & Centrifugal Fans

Price: **\$21.99**

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Product Page:

<https://www.equipspares.com/product/109r1248h116-sanyo-denki-48vdc-80x80x15mm-axial-fan>

Product Description

Sanyo Denki 109R1248H116 is a 48VDC 80x80x15mm Axial Fan optimized for high-density thermal management in space-constrained industrial enclosures. This San Ace 80 series model utilizes a precision-engineered DC brushless motor and a dual ball bearing architecture to minimize thermal impedance and ensure long-term structural rigidity. The 7-blade aerodynamic design is specifically tuned to balance static pressure and acoustic output, delivering a rated speed of 3100 RPM while maintaining a low noise profile of 34 dB. With a 0.15A current draw and 7.2W power consumption, it provides a reliable 33.9 CFM airflow capacity for critical electronic cooling.

Model Number: 109R1248H116

Brand: Sanyo Denki

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.15 A

Power: 7.2 W

Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 33.9 CFM (0.96 m³/min)

Max. Static Pressure: 4.5 mmH₂O (44.1 Pa)

Dimensions: 80 x 80 x 15 mm

Weight: 80 g

Life Expectancy: 40,000 Hours at 60°C

Noise Level: 34 dB

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2 Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -30 to +70 °C

Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

109R1248H116 Applications

1. 1U Rackmount Chassis: The 15mm slim profile is specifically engineered for low-profile server environments where standard 25mm fans cannot fit, providing essential component cooling without compromising spatial efficiency.
2. Industrial Power Supplies: Ideal as a replacement fan for 48V DC-DC converters and high-efficiency power bricks requiring consistent airflow to prevent thermal throttling.
3. Telecom Rectifiers: The high-voltage 48VDC compatibility and dual ball bearing durability make it suitable for continuous operation in outdoor telecommunications cabinets and network infrastructure.

Supplemental Images

