

9HV0848P1G0031 Sanyo Denki 48VDC 0.85A 80x38mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [931225132956](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

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Product Description

The Sanyo Denki 9HV0848P1G0031 is a high-performance DC axial fan engineered for applications requiring exceptional static pressure and airflow density. Belonging to the San Ace 80 9HV series, this unit utilizes an advanced motor design and dual ball bearing architecture to ensure structural rigidity and prolonged operational life under high-load conditions. The aerodynamic impeller geometry is optimized to minimize thermal impedance while maximizing throughput against high system resistance. Designed for 48VDC systems, it features precise PWM speed control and tachometer output, making it ideal for critical cooling in dense electronic enclosures where reliability is paramount.

Model Number: 9HV0848P1G0031

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 80 9HV

Rated Voltage: 48 VDC

Voltage Range: 38.0 - 55.2 VDC

Rated Current: 0.85 A

Rated Input Power: 40.8 W

Rated Speed: 11000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 116.5 CFM (198 m³/h / 3.30 m³/min)

Max. Static Pressure: 67.3 mmH₂O (660 Pa / 2.65 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 240 g

Life Expectancy: 40,000 Hours @ 60°C

Speed Control: PWM (Pulse Width Modulation)

Sensor Output: Pulse Sensor (Tachometer)

Noise Level: 64 dB(A)

Frame Material: Plastics (UL94V-0)

Impeller Material: Plastics (UL94V-0)

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Ingress Protection: IP Standard

Termination: 4-Wire Leads (Red +, Black -, Yellow Sensor, Brown PWM)

Mounting Orientation: Any

This cooling solution is specifically calibrated for high-impedance environments such as industrial inverters, including Danfoss variable frequency drives, and high-density server racks. The 9HV0848P1G0031 excels in telecommunications equipment and power supply units where maintaining optimal thermal envelopes is critical for component longevity. By delivering concentrated airflow, the 9HV0848P1G0031 ensures consistent heat dissipation in CNC machinery and medical instrumentation, preventing thermal throttling in continuous-duty cycles.

Supplemental Images

