

9WG5748P5G003 Sanyo Denki 48VDC 172mm IP68 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [886769967043](#)

Category: Axial & Centrifugal Fans

Price: **\$265.99**

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Product Page:

<https://www.equipspares.com/product/9wg5748p5g003-sanyo-denki-48vdc-172mm-ip68-axial-fan>

Product Description

The Sanyo Denki 9WG5748P5G003 is a robust industrial axial fan belonging to the renowned San Ace 172W series, engineered specifically for harsh environments requiring IP68 ingress protection. This unit features a side-cut aluminum die-cast frame ensuring structural rigidity and superior thermal dissipation. Utilizing advanced dual ball bearing architecture, the motor delivers high-torque performance at 48VDC while maintaining operational stability under heavy loads. The aerodynamic impeller design optimizes airflow efficiency, significantly reducing thermal impedance in high-density electronics. Integrated PWM speed control allows for precise thermal management, making it an ideal solution for critical cooling applications where reliability and moisture resistance are paramount.

Model Number: 9WG5748P5G003

Brand: Sanyo Denki

Series: San Ace 172W

Product Type: Axial Fan

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 2.91 A

Power Input: 139.7 W

Rated Speed: 6500 RPM

Max. Air Flow: 370 CFM (628 m³/h)
Max. Static Pressure: 1.96 inH₂O (490 Pa)
Dimensions: 172mm x 150mm x 51mm
Bearing Type: Dual Ball Bearing
Ingress Protection: IP68 (Waterproof/Dustproof)
Noise Level: 68 dB(A)
Frame Material: Aluminum Die-Cast
Impeller Material: Plastic (UL94V-0)
Termination: 3-Wire Lead
Speed Control: PWM (Pulse Width Modulation)
Operating Temperature: -20°C to +70°C
Life Expectancy: 40,000 Hours (60°C)
Mounting Orientation: Any
Protection: Locked Rotor, Reverse Polarity
Weight: 860g

Designed specifically for demanding industrial environments, the 9WG5748P5G003 serves as a critical cooling component for Danfoss N-type frequency inverters and variable frequency drives (VFDs). Its waterproof construction makes it suitable for outdoor telecom cabinets, solar inverters, and CNC machinery exposed to oil mist or high humidity. The 9WG5748P5G003 ensures continuous operation in server racks and power supply units where consistent airflow is required to prevent thermal shutdown, providing a drop-in replacement solution for maintenance and repair operations.

Supplemental Images

