

9WG5748P5G011 Sanyo Denki 48VDC 172x150x51mm IP68 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [979537731763](#)

Category: Axial & Centrifugal Fans

Price: **\$158.99**

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Product Page:

<https://www.equipspares.com/product/9wg5748p5g011-sanyo-denki-48vdc-172x150x51mm-ip68-axial-fan>

Product Description

The Sanyo Denki 9WG5748P5G011 is a robust industrial cooling solution engineered for environments requiring rigorous IP68 ingress protection against dust and water submersion. Featuring a highly efficient brushless DC motor and a precision dual ball bearing architecture, this fan delivers sustained reliability and low thermal impedance under continuous load. The unit is constructed with a die-cast aluminum frame which offers exceptional structural rigidity, while the impeller is aerodynamically tuned to balance high airflow with significant static pressure, making it ideal for high-density electronic enclosures.

Model Number: 9WG5748P5G011

Brand: Sanyo Denki

Series: San Ace 172W (9WG Type)

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 2.91 A

Rated Power: 139.7 W

Rated Speed: 5700 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 416.7 CFM (708 m³/h / 11.8 m³/min)

Max. Static Pressure: 52.9 mmH₂O (519 Pa / 2.08 inH₂O)

Dimensions: 172x150x51mm (Side Cut)

Weight: 860 g

Life Expectancy: 40,000 Hours (L10 at 60°C)

Speed Control: PWM (Pulse Width Modulation)

Ingress Protection: IP68 (Dust Tight / Water Immersion)

Noise Level: 68 dB(A)

Housing Material: Aluminum Die-Cast (Black)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Termination: Lead Wires (UL 1007)

The 9WG5748P5G011 is specifically targeted for high-performance applications such as outdoor telecommunications cabinets, solar inverters, and industrial variable frequency drives (VFDs) where environmental sealing is non-negotiable. Its high static pressure capabilities allow it to force air effectively through dense heatsinks and restricted filters commonly found in CNC machinery and power supply units. By integrating the 9WG5748P5G011 into critical infrastructure, operators ensure consistent thermal regulation and protection against element-induced failure.

Supplemental Images

