

9WG5748P5G003 Sanyo Denki 48V DC Axial Fan PWM IP68

SKU: 9WG5748P5G003

Price: \$99.68

Categories: Fans

Tags: Sanyo Denki

Product Link:

<https://www.electspares.com/product/9wg5748p5g003-sanyo-denki-48v-dc-axial-fan-pwm-ip68/>

Product Description

The Sanyo Denki 9WG5748P5G003, part of the San Ace 172W series, is a high-performance DC Axial Fan with Sidecut Frame measuring 172×150×51 mm. This Splash Proof fan operates on 48 VDC with Rated Input Power of 140.0 W and a Rated Current of 2.91 A. It utilizes a 3 Phase DC Brushless Motor with a Ball Bearing system and 5 Blades, achieving a Rated Speed of 8,600 RPM. The fan delivers an extremely high Airflow of 927.6 m³/h (546 CFM) and Static Pressure of 1,000 Pa (4.02 inAq), with a Noise Level of 78 dB(A). It features IP68 ingress protection, a wide Operating Temperature Range of –20 to +70 °C, and Tachometer (Pulse Sensor) and PWM Control functions.

9WG5748P5G003 Fan Parameters

Model: 9WG5748P5G003

Manufacturer: Sanyo Denki

Type: DC Axial Fan (Splash Proof Fan, San Ace 172W Series)

Dimensions: 172×150×51 mm

Frame Type: Sidecut

Operating Voltage: 48 V

Operating Voltage Range: 40.8 to 55.2 V

Rated Current: 2.91 A

Rated Input: 140.0 W

Rated Speed: 8,600 RPM

Airflow: 927.6 m³/h (546 CFM)

Static Pressure: 1,000 Pa (4.02 inAq)

Noise Level: 78 dB(A)

Motor Design: 3 Phase DC Brushless Motor

Number of blades: 5

Bearing Type: Ball Bearing

Termination: 4-Wire Leads (Pulse Sensor and PWM Control)

Lead Wire Colors: Red (+), Black (-), Yellow (Sensor), Brown (Control)

Frame Material: Aluminum (Black coating)

Impeller Material: Plastic (Flammability UL 94V-1)

Weight: 860 g

Operating Temperature: -20 to +70 °C

Storage Temperature: -30 to +70 °C (Non-condensing)

Expected Life: 40,000 h (60 °C L10); 70,000 h (40 °C Reference)

Motor Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

Dielectric Strength: 50/60 Hz, 500 VAC, for 1 minute (between lead wire conductors and frame)

Insulation Resistance: 10 MΩ or more with a 500 VDC megger (between lead wire conductors and frame)

Safety Approvals: UL, TUV, CSA

IP Rating: IP68

Application

The 9WG5748P5G003 fan is specifically designed for high-power cooling in severe environments. Its IP68 rating and wide operating temperature range make it perfectly suited for outdoor telecom equipment, inverters, power supplies, and industrial automation where maximum airflow and high static pressure are critical to cool densely packed, heat-generating components while offering protection against dust and strong water jets.

Product Images









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