

9WP0648P4G06 Sanyo Denki 48VDC 60x60x25mm IP55 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 990043412239

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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<https://www.equipspares.com/product/9wp0648p4g06-sanyo-denki-48vdc-60x60x25mm-ip55-axial-fan>

Product Description

The Sanyo Denki 9WP0648P4G06 is a precision-engineered DC axial fan belonging to the robust San Ace 60W series, designed specifically for harsh environments requiring IP55 ingress protection. This 60x60x25mm cooling solution utilizes advanced brushless DC motor technology paired with a durable dual ball bearing system to ensure minimized friction and extended operational longevity. The unit features an optimized impeller geometry that delivers superior airflow while maintaining a low thermal impedance profile. With integrated PWM speed control, the 9WP0648P4G06 offers dynamic thermal management, balancing acoustic performance with static pressure requirements. Its structural rigidity and moisture-resistant design make it ideal for industrial applications where reliability is paramount under variable voltage conditions.

Model Number: 9WP0648P4G06

Brand: SANYO DENKI

Product Type: DC Axial Fan

Series: San Ace 60W

Rated Voltage: 48 VDC

Voltage Range: 40.8 - 55.2 VDC

Rated Current: 0.10 A

Power Input: 4.8 W

Rated Speed: 5600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 27.2 CFM (0.77 m³/min)

Max. Static Pressure: 66.7 Pa (0.27 inH₂O / 6.8 mmH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 110 g

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

Ingress Protection: IP55 (Dust and Water Jet Protected)

Speed Control: PWM (Pulse Width Modulation)

Noise Level: 41 dB(A)

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Dielectric Strength: 50/60 Hz, 500 VAC, 1 minute

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Termination: Lead Wires (Red +, Black -, Brown PWM, Yellow Sensor)

Designed for resilience in demanding industrial environments, the 9WP0648P4G06 excels in cooling variable frequency drives (VFDs) and solar inverters exposed to dust and moisture. Its compact form factor allows for seamless integration into high-density server racks, telecommunications equipment, and outdoor control cabinets. The 9WP0648P4G06 is also frequently utilized in CNC machinery and medical instrumentation where consistent thermal regulation is critical for component stability and system uptime.

Supplemental Images

