

9GV0612P1M03 Sanyo Denki 12VDC 60x60x38mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 859833444055

Category: Axial & Centrifugal Fans

Price: \$17.99

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Product Page:

<https://www.equipspares.com/product/9gv0612p1m03-sanyo-denki-12vdc-60x60x38mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GV0612P1M03 is a high-performance DC Axial Fan designed for applications requiring substantial static pressure and airflow density. Part of the renowned San Ace 60 GV series, this unit utilizes guide vane technology to straighten airflow and minimize turbulence, significantly enhancing thermal impedance management in restricted enclosures. Engineered with a robust dual ball bearing system and a precision-wound motor, it delivers reliable operation under demanding thermal conditions. The integration of PWM speed control allows for dynamic duty cycle adjustment, optimizing the balance between acoustic signature and cooling efficiency.

Model Number: 9GV0612P1M03

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 60 GV

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 1.5 A

Power Input: 18.0 W

Rated Speed: 11000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.2 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 57.1 mmH₂O (560 Pa / 2.25 inH₂O)

Dimensions: 60x60x38mm

Weight: 130g

Life Expectancy: 40000 Hours (at 60°C)

Speed Control: PWM (Pulse Width Modulation)

Sensor Type: Pulse Sensor (Tachometer)

Operating Temperature: -20°C to +70°C

Termination: Lead Wires (Red, Black, Yellow, Brown)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Ingress Protection: IP40 (Standard)

The 9GV0612P1M03 is engineered for high-impedance environments such as 1U/2U server racks, telecommunications switching equipment, and high-density power supplies. Its compact 60mm footprint and high static pressure capabilities make it ideal for forcing air through dense heatsinks and tightly packed component arrays in industrial automation systems. Additionally, the 9GV0612P1M03 serves effectively in medical instrumentation and networked storage devices where consistent thermal regulation is critical for component longevity.