

9GV1212P4G01 Sanyo Denki 12VDC 120x120x25mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 700557203383

Category: Axial & Centrifugal Fans

Price: **\$94.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/9gv1212p4g01-sanyo-denki-12vdc-120x120x25mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GV1212P4G01 is a high-performance DC axial fan engineered for applications requiring superior static pressure and airflow density. Belonging to the San Ace Guide Vane (9GV) series, this unit incorporates specialized impeller blades and stationary guide vanes that rectify airflow to reduce turbulence and increase aerodynamic efficiency. The 120mm frame houses a robust DC motor supported by precision dual ball bearings, ensuring structural rigidity and extended operational life under high-speed rotation. Featuring a 4-wire PWM control interface, the 9GV1212P4G01 allows for dynamic speed modulation, enabling systems to balance thermal requirements with acoustic performance and power consumption effectively.

Model Number: 9GV1212P4G01

Brand: Sanyo Denki (San Ace)

Product Type: DC Axial Fan

Series: 9GV (Guide Vane)

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 1.68 A

Power Input: 20.16 W

Rated Speed: 6400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 131 CFM (3.71 m³/min)

Max. Static Pressure: 280 Pa (1.12 inH₂O / 28.55 mmH₂O)

Dimensions: 120x120x25mm

Weight: 260 g

Life Expectancy: 40,000 Hours (60°C)

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead

Frame Material: Plastics (UL94V-0)

Impeller Material: Plastics (UL94V-0)

Operating Temperature: -10 to +70°C

Noise Level: 56 dB(A)

Ingress Protection: None (Standard)

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

The 9GV1212P4G01 is specifically designed for high-impedance environments such as high-density server racks, telecommunications equipment, and industrial power supplies where back pressure is a significant factor. Its ability to maintain high airflow against resistance makes the 9GV1212P4G01 an ideal solution for cooling RAID arrays, medical instrumentation, and CNC control systems. By integrating this fan, engineers ensure critical components remain within safe thermal limits even in restricted chassis spaces.

Supplemental Images

