

9GV0412P3J43 Sanyo Denki 12VDC 40x40x28mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [991224073240](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

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Product Page:

<https://www.equipspares.com/product/9gv0412p3j43-sanyo-denki-12vdc-40x40x28mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GV0412P3J43 is a high-static pressure axial cooling solution belonging to the renowned San Ace 40 9GV Guide Vane series. Engineered with advanced aerodynamic guide vanes integrated into the frame struts, this unit significantly reduces vortex loss and enhances airflow straightness, resulting in superior thermal impedance management. The motor architecture utilizes a highly efficient DC drive system paired with precision ball bearings to sustain high rotational speeds while maintaining structural rigidity under load. Designed for high-density electronics, the 9GV0412P3J43 delivers exceptional static pressure performance, making it ideal for overcoming system resistance in compact enclosures where standard axial fans fail to penetrate thermal boundary layers.

Model Number: 9GV0412P3J43

Brand: Sanyo Denki

Series: San Ace 40 (9GV)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.60 A

Power Input: 7.20 W

Rated Speed: 16500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.8 CFM (45.5 m³/h / 0.76 m³/min)

Max. Static Pressure: 69.34 mmH₂O (680 Pa / 2.73 inH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 53 g

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

Speed Control: PWM (Pulse Width Modulation)

Sensor Output: Pulse Sensor (Tachometer)

Noise Level: 56 dB(A)

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown PWM)

Protection: Locked Rotor Burnout Protection, Reverse Polarity Protection

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

The 9GV0412P3J43 is specifically engineered for high-impedance applications requiring substantial static pressure to force air through dense component arrays. Common deployment scenarios include 1U server power supplies, RAID controllers, and compact telecommunications equipment where space is at a premium. The 9GV0412P3J43 is also frequently utilized in industrial automation control panels and medical instrumentation cooling, where reliable thermal management is critical for continuous operation. Its guide vane design ensures that airflow is directed efficiently onto heat sinks, maximizing heat dissipation in restricted environments.

Supplemental Images

