

9GA0824P1H63 Sanyo Denki 24VDC 80x80x38mm PWM Axial Fan Datasheet



Brand: Sanyo Denki

SKU: 722530803035

Category: Axial & Centrifugal Fans

Price: **\$21.99**

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<https://www.equipspares.com/product/9ga0824p1h63-sanyo-denki-24vdc-80x80x38mm-pwm-axial-fan>

Product Description

The Sanyo Denki 9GA0824P1H63 is a high-efficiency Axial Fan designed for critical thermal management in industrial electronics and variable frequency drives. Part of the renowned San Ace 80 GA series, this unit utilizes advanced DC motor technology coupled with a robust dual ball bearing architecture to ensure minimized friction and extended operational longevity. The aerodynamic impeller design optimizes airflow while maintaining low power consumption, significantly reducing thermal impedance within high-density enclosures. Constructed with high-grade UL94V-0 thermoplastic, the frame offers superior structural rigidity and vibration damping. Its 4-wire PWM interface allows for dynamic speed modulation, ensuring precise cooling aligned with system load requirements.

Model Number: 9GA0824P1H63

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 80 GA

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.30 A

Power Consumption: 7.20 W

Rated Speed: 6700 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 79.4 CFM (135 m³/h / 2.25 m³/min)

Max. Static Pressure: 20.4 mmH₂O (200 Pa / 0.80 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 170 g

Life Expectancy: 40,000 Hours @ 60°C

Speed Control: PWM (Pulse Width Modulation)

Noise Level: 48 dB(A)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

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

Insulation Resistance: 10 MΩ or more at 500 VDC

This cooling solution is specifically engineered for demanding industrial environments, including variable frequency drives (VFDs) and high-performance server racks. The 9GA0824P1H63 excels in applications requiring sustained high static pressure to overcome system resistance in dense component layouts. Frequently utilized in telecommunications equipment, CNC machinery control panels, and medical instrumentation, the 9GA0824P1H63 ensures reliable thermal dissipation. Its precise PWM control makes it ideal for smart cooling systems where acoustic noise and power efficiency are critical operational parameters.

Supplemental Images

