9S1212P4H031 Sanyo Denki 12VDC 120x120x25mm 0.33A Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 1008685494390

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/9s1212p4h031-sanyo-denki-12vdc-120x120x25mm-0-33a-axial-fan

Product Description

The Sanyo Denki 9S1212P4H031 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring a balance of acoustic performance and airflow efficiency. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit ensures long-term operational stability and reduced mechanical friction. The impeller features an aerodynamically optimized blade profile that minimizes turbulence while maximizing static pressure capabilities. With integrated PWM speed control, the 9S1212P4H031 allows for dynamic duty cycle adjustments, optimizing thermal impedance across varying load conditions while maintaining structural rigidity within its standard 120mm frame.

Model Number: 9S1212P4H031
Brand: Sanyo Denki
Series: San Ace 120 9S
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.33 A
Power Consumption: 3.96 W
Rated Speed: 2600 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 78.0 CFM (2.21 m^3/min)
Max. Static Pressure: 3.7 mmH_2O (36.3 Pa / 0.14 inH_2O)
Dimensions: 120x120x25mm
Weight: 170 g
Life Expectancy: 40,000 Hours @ 60°C
Speed Control: PWM (Pulse Width Modulation)
Noise Level: 36 dB(A)
Frame Material: Plastics (Flammability: UL94V-0)
Impeller Material: Plastics (Flammability: UL94V-0)
Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown PWM)
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Protection: Locked Rotor Protection, Reverse Polarity Protection

This electromechanical cooling solution is specifically engineered for high-demand environments such as server rack enclosures, industrial automation control panels, and precision medical instrumentation. The 9S1212P4H031 excels in scenarios where consistent airflow is required to dissipate heat from sensitive electronic components like CPUs and power supplies. Additionally, the PWM functionality of the 9S1212P4H031 makes it an ideal candidate for intelligent cooling systems in telecommunications equipment and CNC machinery, where fan speed must modulate in response to real-time thermal sensors.

Supplemental Images