

9WP0812H401 Sanyo Denki 12VDC 80x80x25mm IP68 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [9WP0812H401](#)

Category: Industrial Fans

Price: **\$25.99**

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Product Page:

<https://www.equipspares.com/product/9wp0812h401-sanyo-denki-12vdc-80x80x25mm-ip68-axial-fan>

Product Description

The Sanyo Denki 9WP0812H401 is a precision-engineered Axial Fan designed for harsh environmental conditions requiring IP68 ingress protection. Utilizing advanced DC motor technology and a robust double ball bearing architecture, this unit ensures exceptional rotational stability and minimized thermal impedance over extended operational lifecycles. The aerodynamic impeller design optimizes static pressure delivery while maintaining acoustic efficiency, making it suitable for high-reliability industrial cooling. Its structural rigidity and moisture-resistant construction adhere to rigorous industry standards for critical thermal management.

Model Number: 9WP0812H401

Brand: Sanyo Denki

Product Type: Axial Fan

Series: San Ace 80W (9WP Type)

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.13 A

Power Input: 1.56 W

Rated Speed: 2900 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 37.1 CFM (1.05 m³/min)

Max. Static Pressure: 3.2 mmH₂O (31.4 Pa / 0.126 inH₂O)

Dimensions: 80x80x25 mm

Weight: 130 g

Ingress Protection: IP68 (Water/Dust Proof)

Noise Level: 29 dB(A)

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

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Termination: 3-Wire (Lead Wire)

Speed Control: Tachometer Output (Pulse Sensor)

Protection: Locked Rotor Protection, Reverse Polarity

This robust cooling solution is specifically engineered for outdoor telecommunications equipment, solar inverters, and industrial automation systems exposed to moisture or dust. The 9WP0812H401 excels in LED signage cooling and commercial refrigeration units where ingress protection is mandatory for system longevity. By integrating the 9WP0812H401 into power supply units or CNC machinery, operators ensure consistent thermal regulation in challenging environments, preventing component failure due to overheating or environmental contamination.

Supplemental Images

