

9WF1224H1D03 Sanyo Denki 24VDC 120x38mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [888528092724](#)

Category: Axial & Centrifugal Fans

Price: **\$52.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/9wf1224h1d03-sanyo-denki-24vdc-120x38mm-axial-fan>

Product Description

The Sanyo Denki 9WF1224H1D03 is a robust Axial Fan engineered for demanding industrial environments, belonging to the renowned San Ace 120W series. This unit utilizes a highly efficient DC motor paired with a precision dual ball bearing system to ensure minimal friction and extended operational longevity. Designed with superior aerodynamic geometry, the impeller optimizes airflow while maintaining structural rigidity under thermal stress. The fan features specialized ingress protection, making it suitable for oil-mist and dust-laden atmospheres, significantly reducing thermal impedance in critical electronic enclosures and machinery.

Model Number: 9WF1224H1D03

Brand: Sanyo Denki

Alt. Part Number: A90L-0001-0509 (Fanuc)

Product Type: Axial Fan

Series: San Ace 120W

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.32 A

Power Input: 7.68 W

Rated Speed: 2600 RPM

Max. Air Flow: 88.3 CFM (150 m³/h / 2.5 m³/min)

Max. Static Pressure: 6.4 mmH₂O (62.7 Pa / 0.25 inH₂O)

Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Ingress Protection: IP55 (Splash/Dust/Oil Proof)

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10 to +70°C

Life Expectancy: 40,000 Hours (60°C)

Termination: 3-Wire Lead

Sensor Type: Locked Rotor Sensor

Motor Protection: Current shut off at locked rotor, Reverse Polarity Protection

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

The 9WF1224H1D03 is specifically calibrated for high-reliability cooling in industrial automation and CNC machinery. Frequently integrated into Fanuc control systems as part number A90L-0001-0509, this fan ensures stable thermal management for servo amplifiers and power supply units. The 9WF1224H1D03 excels in environments where oil mist or dust is prevalent, such as factory floors, outdoor telecommunication cabinets, and heavy-duty inverters, preventing overheating in critical infrastructure.