

# 9WF0424H6503 Sanyo Denki 24VDC 40x40x20mm Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [1029292398831](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$35.99**

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Product Page:

<https://www.equipspares.com/product/9wf0424h6503-sanyo-denki-24vdc-40x40x20mm-axial-fan>

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## Product Description

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Sanyo Denki 9WF0424H6503 is a 24VDC 40x40x20mm Axial Fan optimized for high-reliability thermal management in harsh industrial environments and CNC control systems. This San Ace 40WF series model features a precision-engineered DC brushless motor and a dual ball bearing architecture designed to minimize thermal impedance and maintain structural rigidity under continuous operation. The fan is specifically engineered to meet the rigorous demands of Fanuc drive systems, providing a rated speed of 9500 RPM and a static pressure of 78.4 Pa to overcome internal system resistance. With a low power consumption of 0.09A and IP68-rated ingress protection, it ensures long-term stability and moisture resistance in contaminated atmospheres.

Model Number: 9WF0424H6503

Brand: Sanyo Denki

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.09 A

Power: 2.16 W

Rated Speed: 9500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 8.12 CFM (0.23 m<sup>3</sup>/min)

Max. Static Pressure: 8.0 mmH<sub>2</sub>O (78.4 Pa / 0.315 inH<sub>2</sub>O)

Dimensions: 40 x 40 x 20 mm

Weight: 50 g

Life Expectancy: 180,000 Hours at 40°C

Ingress Protection: IP68 (Dust-tight, Waterproof)

Noise Level: 35 dB(A)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Termination: 2-Lead Wires

Operating Temperature: -20 to +70 °C

Storage Temperature: -30 to +70 °C

Protection Features: Locked Rotor Burnout Protection, Reverse Polarity Protection

OEM Cross Reference: Fanuc A90L-0001-0575#A

#### 9WF0424H6503 Applications

1. Fanuc CNC Spindle Drives: Ideal replacement fan for A90L-0001-0575#A modules where the IP68 rating protects sensitive electronics from coolant mist and metallic dust.
2. High-Density Industrial Inverters: Engineered to overcome high static pressure in compact VFD housings, ensuring consistent airflow through tightly packed heat sinks.
3. Ruggedized Outdoor Telecom: The 180,000-hour L10 life and environmental sealing make it the optimal choice for remote equipment exposed to extreme humidity and particulate matter.

## Supplemental Images

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