

9WV0924B1001 Sanyo Denki 24VDC 92x92x38mm IP68 Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [927904981293](#)

Category: Axial & Centrifugal Fans

Price: **\$69.99**

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Product Description

The Sanyo Denki 9WV0924B1001 is a robust DC axial fan from the renowned San Ace 92W series, engineered specifically for harsh industrial environments requiring superior ingress protection. This unit features a highly efficient DC motor driven by a dual ball bearing architecture, ensuring exceptional rotational stability and minimizing frictional wear over extended operational lifecycles. The aerodynamic impeller design is housed within a structurally rigid frame, optimized to deliver high static pressure while maintaining manageable noise levels. A defining characteristic of this model is its IP68 rating, achieved through advanced epoxy potting of the motor electronics, which provides complete immunity to dust ingress and permanent submersion in water. This thermal management solution is ideal for systems demanding low thermal impedance and high reliability under extreme environmental stress.

Model Number: 9WV0924B1001

Brand: Sanyo Denki

Product Series: San Ace 92W

Product Type: DC Axial Fan

Rated Voltage: 24V DC

Operating Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.39 A

Rated Power: 9.36 W

Nominal Speed: 4500 RPM

Max. Air Flow: 77.7 CFM (132 m³/h / 2.2 m³/min)

Max. Static Pressure: 11.2 mmH₂O (110 Pa / 0.44 inH₂O)

Dimensions: 92x92x38mm

Bearing Type: Dual Ball Bearing

Ingress Protection: IP68 (Dust Tight, Waterproof)

Noise Level: 44 dB(A)

Speed Control: 3-Wire Pulse Sensor (Tachometer)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Life Expectancy: 60,000 Hours @ 60°C

Operating Temperature: -20°C to +70°C

Storage Temperature: -30°C to +70°C

Termination: Lead Wires

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

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

The 9WV0924B1001 is specifically designed for mission-critical applications where environmental contaminants are a primary concern. Its IP68 certification makes it the preferred choice for outdoor telecommunications cabinets, solar inverters, and industrial power supplies exposed to high humidity or dust. Additionally, the 9WV0924B1001 is frequently utilized in CNC machinery and medical refrigeration units where wash-down capabilities are required, ensuring continuous cooling performance without the risk of electrical failure due to moisture intrusion.

Supplemental Images

