

9AH0912M403 Sanyo Denki 12V 0.08A 92mm 9225 DC Axial Fan

SKU: 9AH0912M403

Price: \$19.99

Categories: Fans

Tags: Sanyo Denki

Product Link:

<https://www.elecspares.com/product/9ah0912m403-sanyo-denki-12v-0-08a-92mm-9225-dc-axial-fan/>

Product Description

The Sanyo Denki 9AH0912M403 is a high-performance 12 V industrial axial fan with dimensions of 92 x 92 x 25 mm, purpose-built to deliver elite-level thermal cooling in high-resistance airflow paths. This unit features a heavy-duty brushless DC motor capable of sustaining a 0.96 W power input to drive its specialized 7-blade impeller at a consistent 2500 RPM. Engineered specifically for air displacement in standard-profile enclosures, it utilizes a 25 mm housing to provide balanced pressure and airflow for mission-critical hardware. The mechanical design relies on precision dual ball bearings and a fiberglass-reinforced PBT housing to ensure 40,000 hours of continuous operation at a 60 °C ambient temperature. Featuring a robust 3-wire electrical interface with a dedicated Tachometer (FG) output for real-time speed monitoring, this fan is a critical component for server racks, power supply cooling, and industrial automation where long-term reliability and precise system feedback are mandatory.

9AH0912M403 Fan Parameters

Manufacturer: Sanyo Denki (San Ace 92)

Model Number: 9AH0912M403

Series: 9AH Series (High Static Pressure Type)

Industry Size Code: 9225

Type: DC Axial Fan

Bearing Type: Dual Ball Bearing

Nominal Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Starting Voltage: 7 VDC

Dimensions: 92 x 92 x 25 mm

Weight: 110 g

[Electrical Data]

Input Power: 0.96 W

Nominal Current: 0.08 A

Max. Current: 0.12 A (Peak startup current)

Nominal Speed: 2500 RPM (Tolerance $\pm 10\%$)

Motor Design: Brushless DC Motor (4-pole)

Signal Output: FG (Frequency Generator / Tachometer)

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Insulation Class: Class E

Insulation Resistance: $>10M$ ohm at 500 VDC

Dielectric Strength: 500 VAC for 1 minute

Termination: 3-Lead wires (UL1007, AWG 24, Red/Black/Yellow)

[Performance & Acoustics]

Max. Air Flow: 41.3 CFM (70.2 m³/h / 1.17 m³/min)

Max. Static Pressure: 3.47 mmH₂O (34.0 Pa / 0.14 inH₂O)

Sound Pressure Level: 28 dB(A) (Measured at 1 m)

Number of Blades: 7

Direction of Rotation: Clockwise (Viewed toward rotor)

Airflow Direction: Intake over struts (Exhaust toward label)

Mode of Operation: S1 (Continuous operation)

[Materials & Construction]

Frame Material: Plastic (PBT reinforced with 30% glass fiber, UL94V-0)

Impeller Material: Plastic (PBT reinforced with 15% glass fiber, UL94V-0)

Installation Position: Any

Degree of Protection: IP20

[Reliability & Safety Standards]

Min. Ambient Temperature: -20 °C

Max. Ambient Temperature: 70 °C

Storage Temperature: -30 °C - 70 °C

Life Expectancy (L10): 40,000 hours at 60 °C (70,000 hours at 40 °C)

Standard Compliance: UL 507, CSA C22.2, EN 60950-1, RoHS

Approval Agency: UL, CUL, TUV, CE

Application

The Sanyo Denki 9AH0912M403 axial fan is used in industrial server chassis, telecommunications base stations, power supply units, medical laboratory equipment, and automated control cabinets.

Product Images



Scan for product details:



