

9A0424H7D05 Sanyo Denki 24VDC 40x40x15mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [687759863414](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

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Product Description

The Sanyo Denki 9A0424H7D05 is a precision-engineered DC axial fan from the renowned San Ace 40 series, designed for high-reliability industrial thermal management. This unit utilizes advanced dual ball bearing architecture to ensure exceptional rotational stability and longevity, significantly reducing friction and heat generation during continuous operation. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively managing thermal impedance in compact electronic enclosures. Constructed with flame-retardant PBT plastics, the fan offers robust performance in demanding environments, featuring a specialized locked rotor sensor for critical system monitoring and fault detection.

Model Number: 9A0424H7D05

Brand: Sanyo Denki

Product Type: DC Axial Fan

Series: San Ace 40 (9A Type)

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.23 A

Power Consumption: 5.52 W

Rated Speed: 8300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 7.77 CFM (13.2 m³/h / 0.22 m³/min)
Max. Static Pressure: 5.8 mmH₂O (56.9 Pa / 0.23 inH₂O)
Dimensions: 40 x 40 x 15 mm
Weight: 45 g
Life Expectancy: 60,000 Hours (at 40°C)
Sensor Type: Locked Rotor Sensor (D05)
Termination: 3-Wire (Red +, Black -, Yellow Sensor)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Noise Level: 28 dB(A)
Operating Temperature: -20°C to +70°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP40

The 9A0424H7D05 is engineered for critical cooling applications where space is limited but reliability cannot be compromised. Common deployment scenarios include high-density server racks, telecommunications switching equipment, and industrial automation control panels. The compact 40mm form factor allows the 9A0424H7D05 to fit seamlessly into 1U power supplies and medical diagnostic devices, providing consistent airflow to dissipate heat from sensitive components like FPGAs and power transistors.

Supplemental Images

