

# 9CR0412H507 Sanyo Denki 12VDC 40x40x56mm Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [1017636300588](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/9cr0412h507-sanyo-denki-12vdc-40x40x56mm-axial-fan>

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## Product Description

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The Sanyo Denki 9CR0412H507 is a specialized Counter Rotating Axial Fan designed for high-impedance applications requiring exceptional static pressure. Part of the San Ace 40 CR series, this unit utilizes a tandem motor configuration within a 40x40x56mm frame to maximize airflow efficiency against system resistance. The aerodynamic design features contra-rotating impellers that straighten the airflow vector, significantly reducing turbulence and increasing pressure generation compared to single-stage counterparts. Engineered with precision dual ball bearings and a robust thermoplastic housing, it ensures long-term reliability and structural rigidity under high-speed operation, making it ideal for dense electronic enclosures where thermal management is critical.

Model Number: 9CR0412H507

Brand: Sanyo Denki

Product Type: Counter Rotating Axial Fan

Series: San Ace 40 (9CR Type)

Rated Voltage: 12 VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.72 A

Power Consumption: 8.64 W

Rated Speed (Inlet): 13500 RPM

Rated Speed (Outlet): 11000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (0.75 m<sup>3</sup>/min)

Max. Static Pressure: 1.73 inH<sub>2</sub>O (430 Pa)

Dimensions: 40 x 40 x 56 mm

Weight: 85 g

Life Expectancy: 40,000 Hours at 60°C

Noise Level: 56 dBA

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 6-Wire Lead

Wire Configuration: Inlet (Red/Black/Yellow), Outlet (Orange/Gray/Brown)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Ingress Protection: IP4X

Safety Certifications: UL, CSA, TUV

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Speed Control: PWM / Tachometer Output

Designed primarily for high-density server environments, the 9CR0412H507 excels in cooling 1U rack-mount servers and blade chassis where space is constrained and backpressure is high. The 9CR0412H507 is also frequently utilized in telecommunications equipment, RAID storage arrays, and industrial power supplies requiring forced air cooling through dense heatsinks. Its compact footprint allows for integration into precision medical devices and optical equipment, ensuring critical components remain within safe thermal operating limits.

## Supplemental Images

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