

# 109P0412H3013 Sanyo Denki 12VDC 40x40x28mm Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** 954684596742

**Category:** Axial & Centrifugal Fans

**Price:** **\$16.99**

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Product Page:

<https://www.equipspares.com/product/109p0412h3013-sanyo-denki-12vdc-40x40x28mm-axial-fan>

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## Product Description

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The Sanyo Denki 109P0412H3013 is a high-performance DC Axial Fan from the distinguished San Ace 40 series, engineered for precision thermal management in compact electronic assemblies. This unit incorporates a robust thermoplastic frame and impeller, designed to optimize aerodynamic efficiency while minimizing thermal impedance under continuous load. Powered by a highly efficient DC motor with a Double Ball Bearing architecture, the fan ensures exceptional rotational stability and extended service life, even in demanding operational environments. The structural rigidity of the 28mm thick frame allows for higher static pressure generation, making it an optimal solution for overcoming resistance in densely populated enclosures.

Model Number: 109P0412H3013

Brand: Sanyo Denki

Product Series: San Ace 40 (9P Type)

Product Type: DC Axial Fan

Rated Voltage: 12V DC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.195 A

Power Consumption: 2.34 W

Rated Speed: 8300 RPM

Max. Air Flow: 11.3 CFM (0.32 m<sup>3</sup>/min)

Max. Static Pressure: 6.8 mmH<sub>2</sub>O (66.7 Pa / 0.27 inH<sub>2</sub>O)

Noise Level: 36 dB(A)

Bearing Type: Double Ball Bearing

Dimensions: 40 x 40 x 28 mm

Weight: 55 g

Life Expectancy: 60,000 Hours @ 40°C

Frame Material: Plastics (Flammability: UL94V-0)

Impeller Material: Plastics (Flammability: UL94V-0)

Ingress Protection: IP40 (Standard)

Termination: 3-Wire Leads (Red +, Black -, Yellow Sensor)

Speed Control: Tachometer Output (Pulse Sensor)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

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

The 109P0412H3013 is specifically engineered for applications requiring high static pressure within limited spatial constraints, such as 1U server power supplies and industrial chassis cooling. Its robust design makes the 109P0412H3013 ideal for cooling network switches, RAID storage arrays, and telecommunications equipment where reliable airflow is critical to prevent thermal throttling. Additionally, this model is frequently deployed in medical instrumentation and CNC control modules, providing consistent thermal dissipation to protect sensitive electronic components from overheating.

## Supplemental Images

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