

# 109P0412G3D073 Sanyo Denki 12V 40x40x28mm DC Axial Fan

**SKU:** 109P0412G3D073

**Price:** \$9.99

**Categories:** Fans

**Tags:** Sanyo Denki

**Product Link:**

<https://www.electspares.com/product/109p0412g3d073-sanyo-denki-12v-40x40x28mm-dc-axial-fan/>

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## Product Description

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The Sanyo Denki 109P0412G3D073 is a high-performance 12VDC DC Axial Fan from the San Ace 40 (9P Type) series, featuring dimensions of 40 x 40 x 28 mm. Specifically engineered for mission-critical cooling in 1U servers and high-density industrial electronics, this 40 mm unit is driven by a brushless DC motor with maintenance-free dual ball bearings and a 3-wire lead wire connection featuring a Lock Sensor (D-type). Operating on a 12 VDC supply (voltage range 7.0 - 13.8 VDC), it delivers a Max. Power Consumption of 3.72 W and a Max. Current Draw of 0.31 A at a rated speed of 11500 RPM. This unit provides a Max. Air Flow of 14.8 CFM (25.1 m<sup>3</sup>/h / 0.42 m<sup>3</sup>/min) and a Max. Static Pressure of 18.25 mmH<sub>2</sub>O (179.0 Pa / 0.719 inAq). Featuring a rugged UL 94V-0 plastic housing and impeller, it ensures superior thermal management with a weight of 52 g and an extended service life in continuous S1 environments at the end.

109P0412G3D073 Fan Parameters

Model Number: 109P0412G3D073

Manufacturer: Sanyo Denki (San Ace)

Series: San Ace 40 (9P Type)

Type: DC Axial Fan

Dimensions: 40 x 40 x 28 mm

Weight: 52 g

Bearing Type: Dual ball bearing

Nominal Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Current Draw: 0.31 A

Max. Power Consumption: 3.72 W

Rated Speed: 11500 RPM

Max. Air Flow: 14.8 CFM (25.1 m<sup>3</sup>/h / 0.42 m<sup>3</sup>/min)

Max. Static Pressure: 18.25 mmH<sub>2</sub>O (179.0 Pa / 0.719 inAq)

Noise Level: 42.0 dB(A)

Frame Material: Plastics (UL 94V-0)

Impeller Material: Plastics (UL 94V-0)

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Direction of Airflow: Suction over struts

Sensor Type: Lock Sensor (Locked-rotor alarm / Output: Open collector)

Insulation Class: "E"

Insulation Resistance: 50 MΩ or more at 500 VDC (between lead conductor and frame)

Dielectric Strength: 500/60 Hz, 1000 VAC for 1 minute (between lead conductor and frame)

Motor Protection: Burnout protection at locked rotor / Reverse polarity protection

Connection: 3-Wire Lead Wires (UL 1007, AWG 26: Red, Black, Yellow)

Mode: S1

Protection Class: III

Operating Temperature: -20 to +60 °C

Storage Temperature: -30 to +70 °C

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

Standard Compliance: UL; CSA; TUV; RoHS

#### Application

The Sanyo Denki 109P0412G3D073 fan is the primary cooling component for 1U rack servers, telecommunication equipment, and compact high-density power supplies requiring high-pressure 12V DC axial airflow.

## Product Images

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Scan for product details:

