

9GX3612P3K001 Sanyo Denki 12V 1.3A 36mm DC Axial Fan

SKU: 9GX3612P3K001

Price: \$37.50

Categories: Fans

Tags: Sanyo Denki

Product Link:

<https://www.electspares.com/product/9gx3612p3k001-sanyo-denki-12v-1-3a-36mm-dc-axial-fan/>

Product Description

The Sanyo Denki 9GX3612P3K001 is a specialized ultra-high-speed 36 mm DC Axial Fan from the San Ace 36GX series, engineered for high-density thermal management in space-constrained 1U server modules and power supply units. Operating on a nominal 12 VDC supply (10.8 - 13.2 VDC range), this unit features a high-torque Brushless DC Motor that delivers 15.6 W of power at an exceptional rated speed of 24000 RPM. Within its compact 36 x 36 x 28 mm ribbed plastic housing, the fan utilizes a 7-blade impeller to move 41.4 m³/h (24.4 CFM) of air while generating a massive static pressure of 838 Pa (3.367 inAq). Equipped with a 4-wire interface for PWM speed control and a Pulse Sensor (Tacho) for monitoring, this 46 g lightweight powerhouse is designed for high-efficiency operation between -10 °C and +60 °C with an expected service life of up to 70000 h at 40 °C.

9GX3612P3K001 Fan Parameters

Manufacturer: Sanyo Denki

Model Number: 9GX3612P3K001

Motor Design: Brushless DC Motor

Type: DC Axial Fan

Nominal Voltage: 12 VDC

Nominal Voltage Range: 10.8 - 13.2 VDC

Dimensions: 36 x 36 x 28 mm

Impeller Size: 36 mm

Number of Blades: 7

Weight: 46 g

[Electrical Data]

Nominal Speed: 24000 RPM

Power Consumption: 15.6 W

Current Draw: 1.3 A

Termination: 4-wire (PWM control + Pulse sensor)

Motor Protection: Reverse polarity and locked-rotor protection

Insulation Class: E

[Performance & Acoustics]

Max. Air Flow: 41.4 m³/h (24.4 CFM)

Max. Static Pressure: 838 Pa (3.367 inAq)

Sound Pressure Level: 66 dB(A)

Direction of Rotation: Clockwise (looking at rotor)

Airflow Direction: Exhaust over struts

[Materials & Construction]

Housing Material: Plastic (Ribbed)

Impeller Material: Plastic (UL 94V-0)

Motor Bearing: Dual Ball Bearings

Mounting: 4 corner holes (Ø 2.8 mm)

[Reliability & Protection]

Degree of Protection: IP20

Min. Ambient Temperature: -10 °C

Max. Ambient Temperature: 60 °C

Service Life (L10): 40000 h at 60 °C (70000 h at 40 °C)

Standard Compliance: UL, CSA, TÜV, CE

Application

The Sanyo Denki 9GX3612P3K001 is specifically engineered for extreme high-density thermal management in 1U chassis and telecommunications switching equipment where its 36 x 36 x 28 mm ribbed plastic housing and 24000 RPM performance are required to deliver a critical 24.4 CFM airflow through dense components, while its PWM speed control and 1.3 A brushless DC motor ensure precise thermal regulation and 838 Pa static pressure capability for mission-critical 12 VDC electronic cooling modules.

Product Images





Scan for product details:

