

109P1212F402 Sanyo Denki 12VDC 120x120x25mm Axial Fan Datasheet



Brand: Sanyo Denki

SKU: [953421276672](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/109p1212f402-sanyo-denki-12vdc-120x120x25mm-axial-fan>

Product Description

The Sanyo Denki 109P1212F402 is a precision-engineered axial cooling fan designed for critical thermal management applications. Part of the renowned San Ace 120 series, this unit utilizes a robust DC motor architecture paired with a dual ball bearing system to ensure minimal friction and extended operational longevity. The aerodynamic blade design is optimized to deliver high airflow while maintaining structural rigidity under continuous load, effectively reducing thermal impedance within enclosed systems. Manufactured in Japan, the 109P1212F402 exemplifies industrial reliability, featuring a durable frame construction that withstands demanding environmental conditions. Its efficient electrical profile ensures stable performance, making it an ideal solution for maintaining optimal operating temperatures in sensitive electronic equipment.

Model Number: 109P1212F402

Brand: Sanyo Denki

Series: San Ace 120

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.25 A

Input Power: 3.0 W

Rated Speed: 2400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 70.6 CFM (120 m³/h / 2.0 m³/min)

Max. Static Pressure: 4.6 mmH₂O (45.1 Pa / 0.18 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 190 g

Noise Level: 34 dB(A)

Life Expectancy: 40,000 Hours at 60°C

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -30°C to +70°C

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Origin: Japan

The 109P1212F402 is engineered for deployment in diverse industrial and commercial environments requiring consistent airflow. Common implementations include server rack cooling, telecommunications cabinets, and power supply ventilation where space is constrained but thermal dissipation is critical. The 109P1212F402 is also frequently utilized in automation control panels and medical instrumentation, providing reliable cooling to prevent component overheating. Its balanced acoustic profile and durable construction make it suitable for workstation chassis and network switchgear, ensuring system stability during prolonged operation.

Supplemental Images

