

# 9G1212HE103 Sanyo Denki 12VDC 0.61A 120x120x38mm Axial Fan Datasheet



**Brand:** Sanyo Denki

**SKU:** [654851730906](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$21.99**

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Product Page:

<https://www.equipspares.com/product/9g1212he103-sanyo-denki-12vdc-0-61a-120x120x38mm-axial-fan>

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## Product Description

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The Sanyo Denki 9G1212HE103 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high volumetric airflow and sustained static pressure. Built upon the robust San Ace 120 platform, this unit features a highly efficient DC motor architecture coupled with a dual ball bearing system to minimize friction and extend operational service life. The impeller geometry is optimized to reduce turbulence while maximizing air throughput, effectively lowering thermal impedance in dense electronic enclosures. Constructed with a flame-retardant frame, the 9G1212HE103 ensures structural rigidity and reliability under continuous duty cycles, making it an ideal solution for industrial environments demanding rigorous cooling performance.

Model Number: 9G1212HE103

Brand: Sanyo Denki

Series: San Ace 120 (9G Type)

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.61 A

Power Input: 7.32 W

Rated Speed: 2850 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 105 CFM (178.4 m<sup>3</sup>/h / 2.97 m<sup>3</sup>/min)  
Max. Static Pressure: 8.8 mmH<sub>2</sub>O (86.3 Pa / 0.35 inH<sub>2</sub>O)  
Dimensions: 120 x 120 x 38 mm  
Weight: 290 g  
Life Expectancy: 40,000 Hours (60°C)  
Speed Control: PWM (Pulse Width Modulation)  
Termination: 4-Wire Lead (Red +, Black -, Yellow Sensor, Brown Control)  
Noise Level: 43 dB(A)  
Housing Material: Plastic (UL94V-0)  
Impeller Material: Plastic (UL94V-0)  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -30°C to +70°C  
Dielectric Strength: 50/60Hz, 500VAC, 1 minute  
Protection: Locked Rotor Protection, Reverse Polarity  
Safety Certifications: UL, CSA, TUV

The 9G1212HE103 is engineered for deployment in high-density electronic environments where reliable heat dissipation is paramount. Common integration points include server rack enclosures, telecommunications switching gear, and industrial automation control panels. The fan's pressure characteristics make it suitable for forcing air through restrictive filters or densely packed component arrays in CNC machinery and medical instrumentation. By maintaining optimal operating temperatures, the 9G1212HE103 safeguards sensitive hardware against thermal throttling and component degradation in 24/7 operational settings.

## Supplemental Images

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