9G1212E1D031 Sanyo Denki 12VDC 120x38mm 3-Wire Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 655241727416

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/9g1212e1d031-sanyo-denki-12vdc-120x38mm-3-wire-axial-fan

Product Description

The Sanyo Denki 9G1212E1D031 is a precision-engineered DC Axial Fan from the renowned San Ace 120 series, designed to deliver superior thermal management in demanding industrial environments. This unit utilizes advanced motor technology coupled with a dual ball bearing architecture to ensure exceptional structural rigidity and operational longevity. The aerodynamic impeller design optimizes airflow efficiency while minimizing acoustic noise, making it an ideal solution for systems requiring a high ratio of static pressure to air volume. With a robust construction and reliable electronic commutation, this fan maintains consistent performance under varying thermal loads, effectively reducing thermal impedance in high-density electronic enclosures.

Model Number: 9G1212E1D031
Brand: Sanyo Denki
Product Type: DC Axial Fan
Series: San Ace 120 (9G Type)
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.61 A
Power Consumption: 7.32 W
Rated Speed: 2850 RPM
Max. Air Flow: 106 CFM (180 m^3/h / 3.0 m^3/min)

Max. Static Pressure: 7.8 mmH_2O (76.5 Pa / 0.31 inH_2O)
Noise Level: 43 dB(A)
Bearing Type: Dual Ball Bearing
Dimensions: 120 x 120 x 38 mm
Weight: 290 g
Life Expectancy: 40,000 Hours at 60°C
Frame Material: Plastics (UL94V-0)
Impeller Material: Plastics (UL94V-0)
Termination: 3-Wire Lead (Red +, Black -, Yellow Sensor)
Sensor Type: Locked Rotor Sensor
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP4X
Mounting Orientation: Any

The 9G1212E1D031 is specifically engineered for mission-critical applications where reliability is paramount, such as server rack cooling, telecommunications infrastructure, and industrial automation control panels. Its high airflow capacity makes the 9G1212E1D031 particularly effective in medical instrumentation and power supply units that require continuous, stable heat dissipation to prevent component failure.

Supplemental Images