9HV0812P1H6031 Sanyo Denki 12VDC 80x80x38mm Axial Fan Datasheet

Brand: Sanyo Denki

SKU: 955070616893

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/9hv0812p1h6031-sanyo-denki-12vdc-80x80x38mm-axial-fan

Product Description

The Sanyo Denki 9HV0812P1H6031 is a high-performance Axial Fan engineered for demanding industrial applications requiring substantial static pressure and airflow. Belonging to the San Ace 80 9HV series, this unit utilizes a highly efficient DC motor coupled with a precision dual ball bearing system to ensure longevity and reduced thermal impedance under continuous operation. The aerodynamic impeller design optimizes air intake, delivering exceptional cooling capabilities for high-density electronics. Its robust frame construction provides structural rigidity, minimizing vibration and noise while maintaining consistent performance in restricted airflow environments typical of server chassis and telecommunications equipment.

Model Number: 9HV0812P1H6031
Brand: Sanyo Denki
Product Type: DC Axial Fan
Series: San Ace 80 (9HV Type)
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 3.0 A
Power Input: 36.0 W
Rated Speed: 11500 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 116.5 CFM (198.0 m^3/h / 3.30 m^3/min)
Max. Static Pressure: 58.0 mmH_2O (568.8 Pa / 2.28 inH_2O)
Dimensions: 80 x 80 x 38 mm
Weight: 230 g
Life Expectancy: 40,000 Hours @ 60°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Pulse Sensor)
Ingress Protection: IP54 (Optional)
Insulation Class: Class E
Noise Level: 62 dB(A)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 4-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -30°C to +70°C
Motor Protection: Locked Rotor Protection, Reverse Polarity Protection
Mounting Orientation: Any

The 9HV0812P1H6031 is specifically designed for high-impedance systems such as 1U and 2U server racks, RAID storage arrays, and high-performance computing clusters where backpressure is a significant factor. Engineers frequently deploy the 9HV0812P1H6031 in precision medical instrumentation and industrial power supplies requiring reliable thermal management. Additionally, this model serves effectively in telecommunications base stations and CNC machinery control cabinets, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images