V80E24BS1A5-51 Nidec 24VDC 80x80x38mm UltraFlo Axial Fan Datasheet

Brand: Nidec

SKU: 924159800993

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/v80e24bs1a5-51-nidec-24vdc-80x80x38mm-ultraflo-axial-fan

Product Description

The Nidec V80E24BS1A5-51 is a high-efficiency Axial Fan from the renowned UltraFlo series, designed to deliver superior aerodynamic performance in space-constrained industrial environments. Featuring a precision-balanced impeller and a durable dual ball bearing system, this unit minimizes frictional resistance and thermal impedance, ensuring an extended operational lifespan under continuous duty. The 24VDC motor is calibrated for optimal torque and speed stability, making it an ideal solution for demanding cooling applications requiring consistent thermal dissipation. Its robust structural rigidity and optimized blade curvature provide significant airflow while maintaining manageable noise levels, ensuring the reliability of sensitive electronic equipment in harsh operating conditions.

Model Number: V80E24BS1A5-51
Brand: Nidec
Product Type: Axial Fan
Series: UltraFlo
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.47 A
Input Power: 11.28 W
Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 62.23 CFM (105.7 m^3/h)
Max. Static Pressure: 9.81 mmH_2O (96.24 Pa)
Dimensions: 80x80x38mm
Noise Level: 44.5 dB(A)
Termination: 3-Wire Lead with Connector
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C
Ingress Protection: IP20
Safety Certifications: UL, CSA, TUV
Mounting Orientation: Any

The V80E24BS1A5-51 is engineered for robust thermal management in industrial automation and power electronics. It is frequently deployed in variable frequency drive (VFD) inverters and server rack enclosures where high static pressure is required to overcome system impedance. The V80E24BS1A5-51 ensures reliable operation in CNC control cabinets and telecommunications infrastructure, providing consistent cooling performance to prevent thermal throttling in critical hardware components.

Supplemental Images