CNDC24B7 SERVO 24VDC 120x120x38mm Inverter Cooling Axial Fan Datasheet

Brand: Nidec

SKU: 990305130593

Category: Axial & Centrifugal Fans

Price: **$34.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/cndc24b7-servo-24vdc-120x120x38mm-inverter-cooling-axial-fan

Product Description

The SERVO CNDC24B7 is a precision-engineered DC Axial Fan designed for critical thermal management in industrial inverters and power electronics. Utilizing advanced motor technology and a robust 2-Ball Bearing architecture, this unit ensures long-term operational stability under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Manufactured with high-grade thermoplastic components, the CNDC24B7 delivers reliable heat dissipation performance, making it an essential component for maintaining system integrity in demanding automation environments.

Model Number: CNDC24B7
Brand: SERVO (Nidec Servo)
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.20 A
Power Input: 4.8 W
Rated Speed: 2650 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 105.9 CFM (3.0 m^3/min)

Max. Static Pressure: 6.8 mmH_2O (66.7 Pa / 0.27 inH_2O)
Dimensions: 120x120x38mm
Weight: 280 g
Life Expectancy: 60,000 Hours @ 40°C
Noise Level: 42 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 2-Wire Lead
Operating Temperature: -10°C to +60°C
Storage Temperature: -30°C to +70°C
Ingress Protection: IP20
Country of Origin: Indonesia

Designed specifically for high-reliability thermal regulation, the CNDC24B7 is widely utilized in variable frequency drives (VFDs) and industrial servo inverters where consistent airflow is paramount. Its robust construction makes it suitable for cooling server racks, CNC machinery control panels, and telecommunications power supplies. By integrating the CNDC24B7 into these systems, operators ensure optimal operating temperatures for sensitive electronic components, preventing thermal throttling and extending equipment lifespan in continuous-duty applications.

Supplemental Images