CNDC24Z7P-069 Nidec Servo 24VDC 120x38mm Axial Fan Datasheet

Brand: Nidec

SKU: 837394241117

Category: Axial & Centrifugal Fans

Price: **$27.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/cndc24z7p-069-nidec-servo-24vdc-120x38mm-axial-fan

Product Description

The Nidec Servo CNDC24Z7P-069 is a robust DC Axial Fan engineered for critical thermal management in high-performance projection systems and industrial electronics. Operating at a rated voltage of 24VDC with a power consumption of 9W, this unit utilizes advanced motor technology to deliver high-velocity airflow while maintaining structural rigidity under load. The fan features a precision dual ball bearing architecture, ensuring reduced rotational friction and extended operational lifespan even in continuous duty cycles. Designed with optimized blade aerodynamics, the CNDC24Z7P-069 effectively overcomes high thermal impedance in dense enclosures, making it a reliable solution for maintaining component stability in demanding environments.

Model Number: CNDC24Z7P-069
Brand: Nidec Servo
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.37 A
Power Input: 9.0 W
Rated Speed: 3200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 116.5 CFM (198 m^3/h / 3.3 m^3/min)

Max. Static Pressure: 9.45 mmH_2O (92.6 Pa / 0.37 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 290 g
Life Expectancy: 60,000 Hours at 60°C
Termination: 3-Wire (Lead Wires)
Speed Control: Tachometer Output (Frequency Generator)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20
Noise Level: 46.5 dB(A)
Mounting Orientation: Any
Specific Application: Barco 20C Cold Light Mirror Cooling

The CNDC24Z7P-069 is specifically configured for specialized optical cooling applications, serving as a direct replacement for Barco 20C cold light mirror assemblies. Its high static pressure profile allows the CNDC24Z7P-069 to force air through restricted pathways found in high-lumen projectors and medical imaging equipment. Additionally, this model is widely utilized in industrial automation cabinets, CNC machinery control panels, and telecommunications racks where consistent heat dissipation is required to prevent thermal throttling of sensitive electronic components.

Supplemental Images