B34622-33 Nidec 48VDC 120x120x38mm Cooling Axial Fan Datasheet

Brand: Nidec

SKU: 652786401794

Category: Axial & Centrifugal Fans

Price: **$21.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/b34622-33-nidec-48vdc-120x120x38mm-cooling-axial-fan

Product Description

The Nidec B34622-33 is a robust DC Axial Fan engineered for critical industrial and telecommunications environments requiring reliable thermal management. Designed with Nidec's advanced motor technology, this unit features a durable dual ball bearing architecture that ensures operational longevity and consistent performance under continuous loads. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Its 48VDC operating voltage makes it specifically tailored for telecom infrastructure and industrial power systems, offering a balance of static pressure and volumetric efficiency.

Model Number: B34622-33
Brand: Nidec
Product Type: DC Axial Fan
Rated Voltage: 48VDC
Voltage Range: 36.0 - 56.0 VDC
Rated Current: 0.13 A
Input Power: 6.24 W
Rated Speed: 2900 RPM
Max. Air Flow: 108.0 CFM (183.5 m^3/h)
Max. Static Pressure: 8.4 mmH_2O (82.4 Pa / 0.33 inH_2O)

Dimensions: 120 x 120 x 38 mm
Bearing Type: Dual Ball Bearing
Noise Level: 44.5 dBA
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: Lead Wires
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Safety Certifications: UL, cUL, TUV, CE
Weight: 270 g

The B34622-33 is extensively utilized in telecommunications base stations and server rack assemblies where 48VDC power rails are standard. Its 120mm form factor allows for seamless integration into standard ventilation slots, providing essential cooling for rectifiers, network switches, and industrial automation control panels. Engineers frequently specify the B34622-33 for applications demanding high reliability and sustained airflow to prevent component overheating in 24/7 operational environments.

Supplemental Images