

TA450DC B34978-68 Nidec 24VDC 120x120x38mm Axial Fan Datasheet



Brand: Nidec

SKU: [887853940350](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ta450dc-b34978-68-nidec-24vdc-120x120x38mm-axial-fan>

Product Description

The Nidec TA450DC B34978-68 is a high-reliability Axial Fan engineered for demanding thermal management applications requiring consistent airflow and structural durability. Utilizing advanced DC brushless motor technology paired with a precision dual ball bearing architecture, this unit ensures minimal frictional losses and extended operational longevity even under continuous load conditions. The aerodynamic impeller design is optimized to deliver a superior ratio of static pressure to airflow, significantly reducing thermal impedance within enclosed electronic systems. Constructed with a reinforced thermoplastic frame, the fan offers excellent structural rigidity and vibration resistance, making it a robust solution for critical industrial environments.

Model Number: TA450DC B34978-68

Brand: Nidec

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.41 A

Input Power: 9.84 W

Rated Speed: 3250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 116.5 CFM (198 m³/h / 3.30 m³/min)

Max. Static Pressure: 8.63 mmH₂O (84.6 Pa / 0.34 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 290 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 46.5 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 2-Wire Lead

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Safety Certifications: UL, CSA, TUV, CE

This cooling solution is specifically designed for integration into high-density electronic enclosures and server rack systems where space and efficiency are paramount. The TA450DC B34978-68 excels in environments such as telecommunications infrastructure, CNC machinery control panels, and medical instrumentation where reliable heat dissipation is critical to prevent component failure. Additionally, the TA450DC B34978-68 is frequently utilized in workstation computing and power supply unit ventilation to maintain optimal operating temperatures for sensitive semiconductors.

Supplemental Images

