TA600DC A34453-33 Nidec 12VDC 1.85A 172x172x51mm Axial Fan Datasheet

Brand: Nidec

SKU: 952828037629

Category: Axial & Centrifugal Fans

Price: **$38.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ta600dc-a34453-33-nidec-12vdc-1-85a-172x172x51mm-axial-fan

Product Description

The Nidec TA600DC A34453-33 is a high-capacity axial fan belonging to the renowned TA600DC Beta V series, engineered for demanding industrial thermal management. This 12VDC unit operates with a significant current draw of 1.85A, delivering the substantial airflow required for high-density electronic enclosures and power systems. It utilizes a precision-engineered dual ball bearing system, which significantly reduces frictional coefficients and enhances long-term reliability under continuous operation. The aerodynamic blade geometry is optimized to maximize static pressure while maintaining structural rigidity, ensuring consistent performance in environments with high thermal impedance. The robust frame construction further mitigates vibration, making it an ideal solution for mission-critical cooling applications.

Model Number: A34453-33
Series: TA600DC Beta V
Brand: Nidec
Product Type: Axial Fan
Rated Voltage: 12 VDC
Operating Voltage Range: 7.0 - 13.2 VDC
Rated Current: 1.85 A
Input Power: 22.2 W
Rated Speed: 4300 RPM

Bearing Type: Dual Ball Bearing
Max. Air Flow: 150.0 CFM (254.8 m^3/h)
Max. Static Pressure: 16.5 mmH_2O (161.8 Pa / 0.65 inH_2O)
Dimensions: 172mm x 172mm x 51mm
Weight: 890 g
Frame Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 53.0 dBA
Certifications: UL, CSA, TUV
Protection: Locked Rotor Protection, Polarity Protection

The TA600DC A34453-33 is specifically designed for high-performance cooling scenarios such as enterprise server racks and telecommunications cabinets where sustained airflow is critical. Its high static pressure capabilities make the A34453-33 suitable for forcing air through dense component arrays in power supplies and industrial automation equipment. Additionally, this model is frequently utilized in CNC machinery and medical instrumentation requiring reliable thermal dissipation.

Supplemental Images