

A35306-59PW Nidec 24VDC 172x150x51mm Axial Fan Datasheet



Brand: Nidec

SKU: [673877409888](#)

Category: Axial & Centrifugal Fans

Price: **\$43.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/a35306-59pw-nidec-24vdc-172x150x51mm-axial-fan>

Product Description

The Nidec A35306-59PW is a high-performance DC axial fan belonging to the robust TA600DC series, engineered for critical thermal management in industrial environments. This unit operates at a rated voltage of 24VDC with a substantial current draw of 3.1A, delivering exceptional airflow capabilities required for high-density electronics. Constructed with a durable die-cast aluminum housing and reinforced thermoplastic impeller, the fan ensures structural rigidity and long-term reliability under thermal stress. Its dual ball bearing architecture minimizes friction and heat generation, significantly extending the operational lifespan. Designed with advanced aerodynamics, the A35306-59PW optimizes static pressure and airflow efficiency, making it an ideal solution for reducing thermal impedance in power inverters and uninterruptible power supplies.

Model Number: A35306-59PW

Brand: Nidec (Nidec Servo)

Series: TA600DC

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 27.6 VDC

Rated Current: 3.1 A

Power Consumption: 74.4 W

Rated Speed: 4200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 335.0 CFM (569.1 m³/h / 9.48 m³/min)

Max. Static Pressure: 26.5 mmH₂O (260 Pa / 1.04 inH₂O)

Dimensions: 172mm x 150mm x 51mm

Weight: 850 g

Life Expectancy: 70,000 Hours at 40°C

Frame Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP20

Noise Level: 63.0 dB(A)

Termination: Lead Wires (Red +, Black -)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CSA, TUV, CE

The A35306-59PW is specifically engineered for high-demand industrial cooling applications where consistent airflow is paramount. It is frequently deployed within heavy-duty power electronics, serving as a critical component for Yaskawa frequency inverters and large-scale UPS power supply units. The A35306-59PW effectively dissipates heat from sensitive internal components in server cabinets, telecommunications racks, and CNC machinery control panels, ensuring system stability during continuous operation.

Supplemental Images

