

# DATC1551B8F-P039 AVC 48VDC 172x150x51mm Axial Cooling Fan Datasheet



**Brand:** AVC

**SKU:** [868870589271](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$42.99**

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Product Page:

<https://www.equipspares.com/product/datc1551b8f-p039-avc-48vdc-172x150x51mm-axial-cooling-fan>

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## Product Description

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The AVC DATC1551B8F-P039 is a high-performance DC axial fan engineered for mission-critical thermal management in high-density server environments. Featuring a robust dual ball bearing architecture, this unit ensures exceptional longevity and mechanical stability under continuous high-speed operation. The aerodynamic impeller design optimizes airflow dynamics to minimize thermal impedance while maintaining structural rigidity against significant backpressure. Designed for 48VDC systems, it delivers substantial static pressure and volumetric flow, making it an ideal solution for overcoming high-resistance ventilation paths in dense electronic enclosures and industrial cabinets.

Model Number: DATC1551B8F-P039

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 57.0 VDC

Rated Current: 3.25 A

Power Consumption: 156.0 W

Rated Speed: 5800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 365.0 CFM (620.1 m<sup>3</sup>/h / 10.33 m<sup>3</sup>/min)

Max. Static Pressure: 1.85 inH<sub>2</sub>O (460.5 Pa / 46.99 mmH<sub>2</sub>O)

Dimensions: 172 x 150 x 51 mm

Frame Style: Oval (Side Cut)

Frame Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Noise Level: 68.5 dB(A)

Termination: 4-Wire Leads with Connector

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Safety Protection: Locked Rotor Protection, Polarity Protection

This high-capacity cooling solution is specifically calibrated for deployment in enterprise-grade server racks and telecommunications infrastructure where heat dissipation is critical. The DATC1551B8F-P039 excels in forcing air through dense component arrays, ensuring optimal operating temperatures for sensitive hardware. Additionally, the DATC1551B8F-P039 is frequently utilized in industrial automation equipment, rectifiers, and high-power supply units requiring reliable, high-static pressure ventilation to prevent thermal throttling.

## Supplemental Images

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