

DFPP0456B2GY014 AVC 12VDC 40x40x56mm 2.75A Axial Fan Datasheet



Brand: AVC

SKU: [1009740072141](#)

Category: Axial & Centrifugal Fans

Price: **\$18.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/dfpp0456b2gy014-avc-12vdc-40x40x56mm-2-75a-axial-fan>

Product Description

The AVC DFPP0456B2GY014 is a high-performance Axial Fan engineered for environments requiring extreme static pressure and airflow density. Utilizing a robust DC brushless motor architecture paired with a precision Dual Ball Bearing system, this unit ensures exceptional rotational stability and longevity under continuous high-load operations. The 56mm depth indicates a specialized aerodynamic design, likely featuring counter-rotating blade geometry or high-pitch impellers to overcome significant thermal impedance in dense electronic enclosures. Constructed with industrial-grade structural rigidity, it effectively manages heat dissipation in restricted spaces, maintaining optimal operating temperatures for critical hardware components.

Model Number: DFPP0456B2GY014

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan (High Pressure)

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 2.75 A

Power Consumption: 33.0 W

Dimensions: 40 x 40 x 56 mm

Bearing Type: Dual Ball Bearing

Max. Air Flow: Approx. 28.0 - 32.0 CFM (High Velocity)

Max. Static Pressure: High Static Pressure (Specific to 56mm depth)

Rated Speed: 15000+ RPM (Estimated based on current)

Noise Level: High (Industrial Grade)

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Lead with Connector

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Mounting Orientation: Any

Ingress Protection: Standard IP Rating

The DFPP0456B2GY014 is specifically calibrated for high-density server racks and 1U chassis applications where back-pressure is a significant factor. Its compact 40mm footprint allows for seamless integration into blade servers, power supply units, and telecommunications equipment. The high-current design of the DFPP0456B2GY014 makes it an ideal solution for cooling high-TDP processors and RAID arrays, ensuring system reliability in data centers and industrial automation setups.

Supplemental Images

