

# DFPD0456B2U AVC 12VDC 40x40x56mm Counter Rotating Fan Datasheet



**Brand:** AVC

**SKU:** 953389155179

**Category:** Axial & Centrifugal Fans

**Price:** \$20.99

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

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

Product Page:

<https://www.equipspares.com/product/dfpd0456b2u-avc-12vdc-40x40x56mm-counter-rotating-fan>

## Product Description

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The AVC DFPD0456B2U is a high-performance counter-rotating axial fan designed to address the rigorous thermal demands of high-density computing environments. Utilizing a sophisticated dual-motor architecture, this unit features two impellers rotating in opposite directions to effectively straighten airflow and maximize static pressure, overcoming the significant thermal impedance found in tightly packed server chassis. The fan is constructed with precision ball bearings that ensure exceptional structural rigidity and operational longevity, even under continuous high-speed rotation. Its aerodynamic design is optimized for concentrated airflow, making it a critical component for maintaining system stability in industrial and enterprise-grade hardware.

Model Number: DFPD0456B2U

Brand: AVC

Product Type: Counter-Rotating Axial Fan (Dual Motor)

Rated Voltage: 12V DC

Rated Current: 2.76 A

Power Consumption: 33.12 W

Dimensions: 40x40x56mm

Bearing Type: Dual Ball Bearing

Motor Structure: Dual Brushless DC Motor

Termination: 8-Wire Interface (PWM/Tach)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Mounting Orientation: Any

Ingress Protection: IP Rating Standard

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Application: Server/Industrial Cooling

This cooling unit is primarily deployed in 1U server racks, blade servers, and high-performance industrial workstations where component density restricts natural airflow. The DFPD0456B2U is essential for cooling high-TDP CPUs and redundant power supply units within enterprise data centers. Furthermore, the DFPD0456B2U serves as a reliable thermal solution for telecommunications equipment and CNC machinery, ensuring critical electronics remain within safe thermal limits during continuous operation.

## Supplemental Images

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