DFPQ0456B2GY009 AVC 12VDC 40x40x56mm Dual Motor Axial Fan Datasheet

Brand: AVC

SKU: 1002165926293

Category: Axial & Centrifugal Fans

Price: **$17.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dfpq0456b2gy009-avc-12vdc-40x40x56mm-dual-motor-axial-fan

Product Description

The AVC DFPQ0456B2GY009 is a specialized counter-rotating axial fan designed for high-density thermal management applications requiring exceptional static pressure capabilities. Engineered with a robust dual-motor architecture, this 40mm unit utilizes precision dual ball bearings to minimize frictional coefficients and extend operational longevity under continuous load. The aerodynamic design features contra-rotating blade sets that effectively straighten airflow and maximize pressure generation, significantly reducing thermal impedance in restricted environments. Constructed with high-grade thermoplastic housing, the DFPQ0456B2GY009 ensures structural rigidity and vibration damping, making it an optimal solution for mission-critical cooling systems where reliability and airflow efficiency are paramount.

Model Number: DFPQ0456B2GY009
Brand: AVC (Asia Vital Components)
Product Type: Dual Motor Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 1.32 A
Power Consumption: 15.84 W
Bearing Type: Dual Ball Bearing

Dimensions: 40x40x56mm
Motor Structure: Dual Brushless DC Motor
Airflow Direction: Counter-Rotating
Frame Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Ingress Protection: IP40
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Termination: Lead Wires with Connector
Mounting Orientation: Any

The DFPQ0456B2GY009 is specifically engineered for high-performance computing environments, including 1U server racks and blade servers where space is limited but cooling demands are extreme. Its high static pressure capabilities make it ideal for forcing air through dense heatsinks in industrial automation equipment and telecommunications infrastructure. Additionally, the DFPQ0456B2GY009 serves as a critical component in precision medical devices and CNC machinery, ensuring thermal stability during intensive operations.

Supplemental Images


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