

# DFPK0456B2GY02B AVC 12VDC 40x40x56mm Dual Motor Axial Fan Datasheet



**Brand:** AVC

**SKU:** [1015447083654](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$26.99**

---

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

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

---

Product Page:

<https://www.equipspares.com/product/dfpk0456b2gy02b-avc-12vdc-40x40x56mm-dual-motor-axial-fan>

---

## Product Description

---

The AVC DFPK0456B2GY02B is a counter-rotating axial fan engineered for extreme static pressure requirements in space-constrained industrial environments. Utilizing a dual-motor architecture, this 40x40x56mm unit optimizes aerodynamic efficiency by neutralizing rotational turbulence, significantly reducing thermal impedance across dense heat sinks. The precision-engineered dual ball bearing system ensures structural rigidity and long-term reliability under continuous high-load operation. Designed for mission-critical cooling, the DFPK0456B2GY02B integrates advanced commutation circuitry to manage its 43.2W power draw while maintaining precise speed control through pulse width modulation, making it an essential component for high-performance thermal management systems.

Model Number: DFPK0456B2GY02B

Brand: AVC

Product Type: Counter-Rotating Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 3.60 A

Power: 43.2 W

Rated Speed: 28000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 35.4 CFM (60.1 m<sup>3</sup>/h / 1.00 m<sup>3</sup>/min)

Max. Static Pressure: 135.2 mmH<sub>2</sub>O (1325.9 Pa / 5.32 inH<sub>2</sub>O)

Dimensions: 40x40x56 mm

Weight: 115 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Monitoring Output: Tachometer (Frequency Generator)

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Noise Level: 74.5 dB(A)

Termination: 4-Wire Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Insulation Class: Class A

Certifications: UL, TUV, CE

The AVC DFPK0456B2GY02B is specifically designed for high-density server environments and 1U rackmount chassis where airflow resistance is exceptionally high. In telecommunications infrastructure, the DFPK0456B2GY02B provides the necessary static pressure to penetrate tightly packed PCB arrays and high-fin-count heat sinks. Its robust construction also makes it suitable for industrial power supplies and high-end networking switches that require consistent, fail-safe cooling performance in compact form factors.

## Supplemental Images

---

