

# BAZD0808R5HY007 AVC 5VDC 80mm Blower Centrifugal Fan Datasheet



**Brand:** AVC

**SKU:** [955336026075](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$32.99**

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Product Page:

<https://www.equipspares.com/product/bazd0808r5hy007-avc-5vdc-80mm-blower-centrifugal-fan>

## Product Description

The AVC BAZD0808R5HY007 is a 5VDC 80mm Centrifugal Blower optimized for high-density thermal management in compact computing environments. Engineered with advanced DC motor technology and a high-rigidity impeller design, this blower addresses the critical technical problem of heat concentration in low-profile enclosures where axial airflow is insufficient. The unit features a sophisticated bearing architecture designed to minimize thermal impedance and maintain structural integrity under continuous operation. Operating at a rated current of 0.60A, it delivers precise static pressure to overcome internal system resistance, ensuring stable clock speeds for Intel NUC Pro Element modules. The 4-wire PWM interface allows for granular speed control, optimizing the balance between acoustic output and cooling efficiency.

Model Number: BAZD0808R5HY007

Brand: AVC

Product Type: Centrifugal Blower Fan

Rated Voltage: 5 VDC

Voltage Range: 4.5 - 5.5 VDC

Rated Current: 0.60 A

Power: 3.0 W

Rated Speed: 4500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 12.4 CFM

Max. Static Pressure: 14.2 mmH<sub>2</sub>O

Dimensions: 80 x 80 x 15 mm

Weight: 45 g

Life Expectancy: 50,000 Hours at 40 C

Speed Control: PWM Signal Control

Feedback: Tachometer / Frequency Generator

Termination: 4-Pin Connector / 4-Wire Lead

Housing Material: UL94V-0 Reinforced Plastic

Blade Material: UL94V-0 Reinforced Plastic

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

#### BAZD0808R5HY007 Applications

1. Intel NUC Pro Element (BKCMA2GB) Thermal Modules: Direct replacement fan engineered to match the specific pressure-to-flow curve required for cooling compute elements in industrial NUC chassis.
2. Ultra-Compact Form Factor (UCFF) Industrial PCs: Ideal for overcoming high system impedance in 1U or sub-1U enclosures where traditional axial fans cannot generate sufficient directional static pressure.
3. Embedded Edge Computing Nodes: Provides high-reliability cooling for ruggedized outdoor telecom gateways where low-vibration and compact dimensions are critical for optical and electronic precision.

## Supplemental Images

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