

BAZB0813R2UP006 AVC 12VDC 80x80x13mm Centrifugal Blower Datasheet



Brand: AVC

SKU: 855513933288

Category: Axial & Centrifugal Fans

Price: \$20.99

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/bazb0813r2up006-avc-12vdc-80x80x13mm-centrifugal-blower>

Product Description

The AVC BAZB0813R2UP006 is a 12VDC 80x80x13mm centrifugal blower optimized for high-density thermal management in ultra-small form factor (USFF) computing environments. Engineered with a hydraulic bearing architecture, this unit minimizes mechanical friction and acoustic resonance while maintaining structural rigidity under continuous operation. The 4-wire PWM interface allows for precise speed modulation, drawing 0.6A at peak performance to effectively mitigate thermal impedance in cramped chassis. Delivering high static pressure to overcome internal airflow resistance, it serves as a critical cooling component for HP EliteDesk systems, ensuring long-term reliability and component longevity through efficient heat dissipation.

Model Number: BAZB0813R2UP006

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Product Type: Centrifugal Blower Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.6A

Power: 7.2W

Rated Speed: 4800 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 14.2 CFM (24.1 m³/h / 0.40 m³/min)

Max. Static Pressure: 16.8 mmH₂O (164.7 Pa / 0.66 inH₂O)

Dimensions: 80mm x 80mm x 13mm

Weight: 48g

Life Expectancy: 50,000 Hours at 40C

Speed Control: 4-Wire PWM

Signal Output: Tachometer Sensor

Housing Material: UL94V-0 PBT Plastic

Blade Material: UL94V-0 PBT Plastic

Termination: 4-Pin OEM Connector

Operating Temperature: -10C to +70C

Storage Temperature: -40C to +75C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, TUV, UL, RoHS

Compatibility: HP L90295-001, TPC-Q072-DM

BAZB0813R2UP006 Applications

1. HP EliteDesk 400G6/800G6 USFF Maintenance: Direct replacement fan designed to match the specific mounting geometry and thermal profile of HP G6 series Desktop Mini PCs.
2. High-Impedance Micro-Chassis Cooling: The centrifugal design provides the necessary static pressure to force air through dense internal heat sinks where axial fans would stall.
3. Low-Profile Embedded Systems: Ideal for 1U or sub-1U industrial controllers requiring a slim 13mm footprint without sacrificing airflow velocity.

Supplemental Images

