

# BAZB0815R2U-P012 AVC 12V 80x80x15mm Blower Centrifugal Datasheet



**Brand:** AVC

**SKU:** 849841276193

**Category:** Axial & Centrifugal Fans

**Price:** **\$19.99**

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Product Page:

<https://www.equipspares.com/product/bazb0815r2u-p012-avc-12v-80x80x15mm-blower-centrifugal>

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## Product Description

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The AVC BAZB0815R2U-P012 is a 12VDC 80x80x15mm Centrifugal Blower optimized for high-density thermal management in space-constrained All-in-One (AIO) computing environments. Engineered with a high-amperage 7.80A motor, this blower is designed to overcome significant thermal impedance within compact chassis by generating concentrated airflow of 14.78CFM. The unit features a sophisticated 4-wire PWM control interface for precise RPM modulation, ensuring structural rigidity and low vibration during peak operation. Its dual ball bearing architecture is specifically selected to maintain long-term reliability and minimize friction in horizontal mounting orientations common in modern desktop hardware.

Model Number: BAZB0815R2U-P012

Brand: AVC

Product Type: Centrifugal Blower Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 7.80 A

Power: 93.6 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 14.78 CFM (25.11 m<sup>3</sup>/h)

Max. Static Pressure: 42.5 mmH<sub>2</sub>O

Dimensions: 80 x 80 x 15 mm

Weight: 85 g

Life Expectancy: 70,000 hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer / Frequency Generator

Termination: 4-Pin / 4-Wire Connector

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

Compatible Part Numbers: 2Y42R, 1RX1V, 02Y42R, 01RX1V

#### BAZB0815R2U-P012 Applications

1. Dell AIO Thermal Repair: Ideal replacement fan for Dell Inspiron and OptiPlex All-in-One series (7770, 5477, 7460, 7470, 7777, 7760) where high static pressure is required to exhaust heat through restrictive fin-stack heat sinks.
2. Ultra-Thin Industrial PC Cooling: Optimized for 1U or sub-1U enclosures where the 15mm low-profile height and centrifugal discharge allow for lateral heat dissipation in high-impedance environments.
3. Medical Imaging Workstations: Provides the necessary torque and airflow to cool localized processors in compact diagnostic equipment without the footprint of standard axial fans.

## Supplemental Images

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