

BAAA0915R2U-P006 AVC 12VDC 90x90x15mm PWM Centrifugal Blower Datasheet



Brand: AVC

SKU: [691520984787](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page:

<https://www.equipspares.com/product/baaa0915r2u-p006-avc-12vdc-90x90x15mm-pwm-centrifugal-blower>

Product Description

The AVC BAAA0915R2U-P006 is a precision-engineered Centrifugal Blower designed for high-density thermal management applications requiring directed airflow in restricted spaces. Operating at a rated voltage of 12VDC with a significant current draw of 0.60A, this unit delivers concentrated static pressure through a specialized impeller geometry optimized for overcoming high system impedance. The motor assembly integrates advanced commutation electronics supporting 4-Wire PWM speed control, allowing for dynamic duty cycle adjustments based on real-time thermal loads. Constructed with a robust thermoplastic housing and a durable bearing architecture, the BAAA0915R2U-P006 ensures structural rigidity and operational longevity under continuous industrial stress, making it an ideal solution for critical cooling requirements.

Model Number: BAAA0915R2U-P006

Brand: AVC (Asia Vital Components)

Product Type: Centrifugal Blower

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 0.60 A

Power: 7.20 W

Rated Speed: 3800 RPM (Nominal)
Bearing Type: Hydraulic Bearing
Max. Air Flow: 12.5 CFM (21.2 m³/h / 0.35 m³/min)
Max. Static Pressure: 14.5 mmH₂O (142 Pa / 0.57 inH₂O)
Dimensions: 90mm x 90mm x 15mm
Weight: 65g
Life Expectancy: 50,000 Hours at 40°C
Speed Control: 4-Wire PWM
Ingress Protection: IP40
Noise Level: 42.0 dB(A)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Termination: 4-Wire Lead with Connector
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Certifications: CE, UL, TUV, RoHS

This blower is engineered for compact electronic enclosures requiring directed airflow and high static pressure to penetrate dense heatsink fins. The BAAA0915R2U-P006 is frequently deployed in All-In-One (AIO) PC systems, compact projectors, and 1U server racks where vertical clearance is strictly limited to 15mm. Additionally, the BAAA0915R2U-P006 serves as a critical cooling component in industrial automation equipment and telecommunications modules, effectively dissipating heat from power components in dense configurations.

Supplemental Images

