

DBPL0938B4UPH24 AVC 24VDC 90x90x38mm IP68 PWM Axial Fan Datasheet



Brand: AVC

SKU: 962260189885

Category: Axial & Centrifugal Fans

Price: **\$15.99**

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Product Page:

<https://www.equipspares.com/product/dbpl0938b4uph24-avc-24vdc-90x90x38mm-ip68-pwm-axial-fan>

Product Description

The AVC DBPL0938B4UPH24 is a high-performance DC Axial Fan engineered for mission-critical thermal management in harsh environments. Featuring a robust thermoplastic housing and precision-balanced impeller, this unit optimizes aerodynamic efficiency to deliver exceptional airflow while maintaining structural rigidity under high static pressure loads. The motor assembly utilizes advanced dual ball bearing architecture, ensuring long-term reliability and reduced thermal impedance during continuous operation. With an IP68 ingress protection rating, the DBPL0938B4UPH24 is fully encapsulated against dust and water immersion, making it an ideal solution for demanding industrial applications requiring precise Pulse Width Modulation (PWM) speed control and superior durability.

Model Number: DBPL0938B4UPH24

Brand: AVC (Asia Vital Components)

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 1.80 A

Power Consumption: 43.20 W

Bearing Type: Dual Ball Bearing

Dimensions: 90 x 90 x 38 mm

Ingress Protection: IP68 (Waterproof/Dustproof)

Speed Control: 4-Wire PWM (Pulse Width Modulation)

Termination: 4 Lead Wires

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Mounting Orientation: Any

Motor Protection: Locked Rotor Protection, Polarity Protection

Application: Server Cooling, Industrial Automation, Outdoor Telecom

Designed for rigorous industrial environments, the DBPL0938B4UPH24 excels in applications where moisture and dust resistance are paramount, such as outdoor telecommunications cabinets and marine electronics. Its high static pressure capabilities make it suitable for dense server racks and forced-air cooling in CNC machinery. The DBPL0938B4UPH24 ensures consistent thermal regulation in power supply units and medical instrumentation, providing reliable heat dissipation where standard cooling solutions fail due to environmental exposure.

Supplemental Images

