

DT09238B24H-FAF AVC 24VDC 92x92x38mm 3-Wire Axial Fan Datasheet



Brand: AVC

SKU: [1036589449403](#)

Category: Axial & Centrifugal Fans

Price: **\$25.14**

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Product Page:

<https://www.equipspares.com/product/dt09238b24h-faf-avc-24vdc-92x92x38mm-3-wire-axial-fan>

Product Description

AVC DT09238B24H-FAF is a 92x92x38mm Axial Fan operating at a rated voltage of 24VDC. This unit draws a rated current of 0.60A, resulting in a power consumption of 14.4W. The fan is engineered to deliver a Maximum Airflow of approximately 98.0 CFM (166.5 m³/h) while maintaining a Max Static Pressure of 12.7 mmH₂O (124.5 Pa). Operating at a Rated Speed of 4500 RPM, it produces a Noise Level of 52.0 dBA. The mechanical structure utilizes a Dual Ball Bearing system to ensure longevity and stability under continuous load. The housing and impeller are constructed from UL94V-0 rated thermoplastic. The 3-wire interface includes a tachometer signal for speed monitoring within an Operating Temperature range of -10°C to +70°C.

Model Number: DT09238B24H-FAF

Brand: AVC (Asia Vital Components)

Product Type: Axial Fan

Rated Voltage: 24 VDC

Rated Current: 0.60 A

Input Power: 14.4 W

Rated Speed: 4500 RPM

Max. Air Flow: 98.0 CFM (166.5 m³/h)

Max. Static Pressure: 12.7 mmH₂O (124.5 Pa / 0.50 inH₂O)

Noise Level: 52.0 dBA

Dimensions: 92 x 92 x 38 mm

Bearing Type: Dual Ball Bearing

Termination: 3-Wire / Lead Wires

Sensor Output: Tachometer (FG Signal)

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10 to 70 °C

Life Expectancy: 70,000 Hours at 40 °C

DT09238B24H-FAF Applications

1. Variable Frequency Drives (VFD): High static pressure capabilities effectively penetrate dense heatsink fin arrays found in high-power inverter modules.
2. Industrial Power Supply Units: The 92mm frame and 0.60A motor torque provide sufficient airflow to manage thermal loads in high-wattage switching power supplies.
3. Server Chassis Cooling: Suitable for 3U and 4U rackmount enclosures where high RPM and airflow are required to evacuate heat from tightly packed components.

Supplemental Images

