

DAPA1290B8FY001 AVC 48VDC 120x120x38mm DC Axial Fan Datasheet



Brand: AVC

SKU: 1017051321607

Category: Axial & Centrifugal Fans

Price: \$42.99

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Product Page:

<https://www.equipspares.com/product/dapa1290b8fy001-avc-48vdc-120x120x38mm-dc-axial-fan>

Product Description

The AVC DAPA1290B8FY001 is a specialized DC Axial Fan designed for high-demand industrial cooling applications. Built upon a durable DC motor platform with a precision ball bearing system, this unit ensures low mechanical friction and extended operational life. The fan features an optimized blade geometry that enhances aerodynamic efficiency, delivering superior airflow while maintaining structural rigidity. This design effectively lowers thermal impedance in enclosed systems, making the DAPA1290B8FY001 an ideal solution for equipment requiring consistent and powerful air movement.

Model Number: DAPA1290B8FY001

Brand: AVC

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 57.0 VDC

Rated Current: 14.20A

Power: 681.6 W

Rated Speed: 6500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 260.5 CFM (442.6 m³/h / 7.37 m³/min)

Max. Static Pressure: 38.2 mmH₂O (374.6 Pa / 1.50 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 410 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Termination: 4-Wire Leads

The DAPA1290B8FY001 is extensively used in enterprise-grade server racks and data center cooling modules where high static pressure is required to overcome system resistance. It is also applicable in telecommunications infrastructure, such as base station amplifiers, and industrial automation machinery. Furthermore, the DAPA1290B8FY001 is suitable for cooling high-power power supplies and renewable energy inverters, ensuring component longevity in harsh thermal environments.

Supplemental Images

