

RCD8025H24S RUN CHENG DA 24VDC 80x80x25mm 0.15A Axial Fan Datasheet



SKU: [805730819984](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

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Product Description

The RUN CHENG DA RCD8025H24S is a precision-engineered Axial Fan designed for efficient thermal management in industrial electronics and power conversion systems. This unit features a robust 24VDC motor architecture optimized for consistent airflow delivery and reduced thermal impedance. Constructed with a durable thermoplastic frame, the fan ensures structural rigidity while minimizing vibration during operation. The aerodynamic impeller design balances static pressure with volumetric flow, making it suitable for continuous duty cycles. Its sleeve bearing system provides a cost-effective solution for stable rotational performance in controlled environments, ensuring reliable heat dissipation for sensitive components.

Model Number: RCD8025H24S

Brand: RUN CHENG DA

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.15 A

Power: 3.60 W

Rated Speed: 3300 RPM

Bearing Type: Sleeve Bearing

Max. Air Flow: 42.0 CFM (71.3 m³/h / 1.19 m³/min)

Max. Static Pressure: 5.8 mmH₂O (56.8 Pa / 0.23 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 85 g

Life Expectancy: 30,000 Hours @ 25°C

Noise Level: 34 dBA

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: Lead wires (300mm)

Number of Blades: 7

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Vertical or Horizontal

Ingress Protection: IP20

The RCD8025H24S is engineered for critical cooling applications requiring reliable heat dissipation within compact enclosures. It is frequently utilized in variable frequency drives (VFDs) and power inverters where maintaining optimal operating temperatures is essential for component longevity. Additionally, the RCD8025H24S serves effectively in server rack ventilation systems, industrial automation control panels, and telecommunications equipment. Its standard 80mm form factor allows for seamless integration into power supply units and CNC machinery, ensuring consistent airflow in space-constrained industrial environments.

Supplemental Images

