

UT125AW Royal Fan 200VAC 120x120x38mm Metal Frame Axial Fan Datasheet



Brand: Royal Fan

SKU: 926666326055

Category: Axial & Centrifugal Fans

Price: \$19.99

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Product Page:

<https://www.equipspares.com/product/ut125aw-royal-fan-200vac-120x120x38mm-metal-frame-axial-fan>

Product Description

The Royal Fan UT125AW is a robust AC Axial Fan engineered for demanding industrial environments requiring high thermal impedance management and structural rigidity. Featuring a precision-balanced motor and a durable double ball bearing architecture, this unit ensures consistent rotational stability and extended operational service life under continuous duty cycles. The construction utilizes a high-rigidity die-cast aluminum frame, providing superior structural integrity and resistance to thermal deformation in high-temperature settings. Its aerodynamic impeller design optimizes airflow efficiency while maintaining acoustic performance, making it an ideal solution for systems requiring reliable heat dissipation under fluctuating electrical loads.

Model Number: UT125AW

Brand: Royal Fan (Rikay Kogyo)

Product Type: AC Axial Fan

Rated Voltage: 200 VAC

Frequency: 50 / 60 Hz

Input Power: 14 / 12 W

Rated Current: 0.08 / 0.07 A

Rated Speed: 2700 / 3100 RPM

Bearing Type: Double Ball Bearing

Max. Air Flow: 95.0 CFM (161.4 m³/h / 2.69 m³/min)

Max. Static Pressure: 7.8 mmH₂O (76.5 Pa / 0.31 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 530 g

Housing Material: Aluminum Die-Cast

Blade Material: Polycarbonate (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Insulation Resistance: 100MΩ min. at 500VDC

Dielectric Strength: 1500VAC for 1 minute

Life Expectancy: 50,000 Hours (at 25°C)

Mounting Orientation: Any

Designed for versatility in thermal regulation, the UT125AW is frequently integrated into industrial automation control panels and heavy-duty power supply units where reliability is paramount. Its robust metal construction makes the UT125AW particularly suitable for CNC machinery cabinets and server rack ventilation where vibration resistance is critical. Additionally, this model serves effectively in telecommunications infrastructure and medical instrumentation, ensuring critical components remain within safe thermal operating limits during prolonged operation.