

R87T-A7A07H OMRON 220VAC 120x120x38mm Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$61.99**

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<https://www.equipspares.com/product/r87t-a7a07h-omron-220vac-120x120x38mm-axial-fan>

Product Description

The OMRON R87T-A7A07H is a robust AC Axial Fan engineered for high-reliability industrial thermal management. Utilizing a precision-wound AC induction motor housed within a rugged aluminum die-cast frame, this unit offers superior structural rigidity and efficient heat dissipation. The aerodynamic impeller design minimizes turbulence while maximizing static pressure, ensuring optimal airflow through dense component arrays. Designed with high-grade ball bearings, the fan reduces frictional coefficients, thereby lowering thermal impedance and extending operational service life under continuous duty cycles. This model is specifically calibrated for stable performance in demanding electrical environments.

Model Number: R87T-A7A07H

Brand: OMRON

Product Type: AC Axial Fan

Rated Voltage: 220 VAC

Frequency: 50 / 60 Hz

Input Power: 37 W (50Hz) / 33 W (60Hz)

Rated Current: 0.25 A (50Hz) / 0.21 A (60Hz)

Rated Speed: 2700 RPM (50Hz) / 3100 RPM (60Hz)

Max. Air Flow: 95 CFM (2.7 m³/min) / 115 CFM (3.2 m³/min)

Max. Static Pressure: 8.0 mmH₂O (78 Pa) / 9.0 mmH₂O (88 Pa)

Dimensions: 120 x 120 x 38 mm

Bearing Type: Double Ball Bearing

Frame Material: Aluminum Die-cast

Impeller Material: Glass-reinforced PBT (UL94V-0)

Noise Level: 44 dB(A) / 48 dB(A)

Termination: Faston Terminals #110

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +85°C

Insulation Resistance: 100 MΩ min. at 500 VDC

Dielectric Strength: 1500 VAC for 1 minute

Life Expectancy: 50,000 Hours at 25°C

Mounting Orientation: Any

Weight: 560 g

Origin: Japan

The R87T-A7A07H is extensively utilized in industrial automation sectors where consistent cooling is critical for system longevity. Common deployment scenarios include cooling control panels, server racks, and power supply units within CNC machinery. The R87T-A7A07H provides the necessary airflow to prevent thermal throttling in variable frequency drives (VFDs) and other heat-sensitive electronic components found in manufacturing plants and telecommunications infrastructure.