

# TAR76R-H3 Royal Fan 200VAC 172x150x51mm AC Axial Fan Datasheet



**Brand:** Royal Fan

**SKU:** [967223465436](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$128.99**

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Product Page:

<https://www.equipspares.com/product/tar76r-h3-royal-fan-200vac-172x150x51mm-ac-axial-fan>

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## Product Description

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The Royal Fan TAR76R-H3 is a robust AC Axial Fan engineered for demanding industrial thermal management applications. Utilizing a high-efficiency shaded pole induction motor housed within a durable aluminum die-cast frame, this unit ensures superior structural rigidity and effective heat dissipation. The aerodynamic impeller design optimizes airflow while maintaining stable static pressure capabilities, making it ideal for high-impedance environments. Designed for continuous duty cycles, the TAR76R-H3 features precision ball bearings that significantly extend operational lifespan and reduce mechanical vibration, ensuring reliable performance in harsh operating conditions where thermal impedance must be minimized.

Model Number: TAR76R-H3

Brand: Royal Fan (Rikeng)

Product Type: AC Axial Fan

Rated Voltage: 200 VAC

Frequency: 50 / 60 Hz

Phase: Single Phase

Input Power: 35 / 33 W

Rated Current: 0.25 / 0.21 A

Rated Speed: 2700 / 3100 RPM

Max. Air Flow: 230 CFM (6.5 m<sup>3</sup>/min)

Max. Static Pressure: 19.0 mmH<sub>2</sub>O (186 Pa / 0.75 inH<sub>2</sub>O)

Noise Level: 50 / 54 dB(A)

Bearing Type: Ball Bearing

Dimensions: 172mm x 150mm x 51mm

Frame Material: Aluminum Die-Cast (Black Paint)

Impeller Material: Polycarbonate (Glass Fiber Reinforced)

Termination: Terminal Type (Faston #110)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Weight: 870 g

Dielectric Strength: 1500 VAC for 1 minute

Insulation Resistance: 100 MΩ at 500 VDC

Motor Protection: Impedance Protected

Flammability Rating: UL94V-0

Life Expectancy: 40,000 Hours (at 60°C)

Mounting: Flange Mount

The TAR76R-H3 is specifically designed for high-density industrial equipment requiring reliable forced air cooling. Common deployments include server rack ventilation, industrial control cabinets, and power supply units where consistent airflow is critical for component longevity. The TAR76R-H3 excels in heat exchanger applications and telecommunications infrastructure, providing the necessary static pressure to overcome system impedance. Additionally, this model is frequently utilized in CNC machinery and medical instrumentation, ensuring thermal stability during prolonged operation.

## Supplemental Images

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