

OA109AP-22-1TB XC Orion Fans 230VAC 120x38mm Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: **\$31.99**

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Product Description

The Orion Fans OA109AP-22-1TB XC is a robust AC axial fan engineered for demanding industrial thermal management. Utilizing a shaded pole motor architecture paired with a precision dual ball bearing system, this unit ensures sustained operational stability and reduced thermal impedance over extended lifecycles. The 120mm aluminum die-cast frame provides exceptional structural rigidity, while the thermoplastic impeller is aerodynamically optimized to maximize airflow efficiency against static pressure resistance. Designed for 230VAC systems, it delivers reliable cooling performance essential for maintaining component integrity in high-density electronic enclosures.

Model Number: OA109AP-22-1TB XC

Brand: Orion Fans

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Voltage Range: 220 - 240 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.10 / 0.11 A

Input Power: 22 / 21 W

Rated Speed: 2700 / 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 106 CFM (180 m³/h / 3.0 m³/min)

Max. Static Pressure: 0.34 inH₂O (85 Pa / 8.6 mmH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 530 g (1.17 lbs)

Life Expectancy: 60,000 Hours at 25°C

Frame Material: Aluminum Die Cast (Black)

Impeller Material: PBT (UL94V-0)

Termination: Terminals

Operating Temperature: -20°C to +80°C

Storage Temperature: -40°C to +80°C

Noise Level: 46 dB(A)

Motor Type: Shaded Pole

Protection: Impedance Protected

Insulation Resistance: >100M Ohm at 500VDC

Dielectric Strength: 1500VAC for 1 minute

Certifications: UL, cUL, TUV, CE, RoHS

The OA109AP-22-1TB XC is specifically calibrated for high-reliability applications requiring consistent airflow in industrial environments. Common deployments include server rack cooling, telecommunications cabinets, and industrial automation control panels where heat dissipation is critical. The OA109AP-22-1TB XC is also frequently utilized in HVAC instrumentation, medical equipment, and power supply units, ensuring optimal operating temperatures for sensitive electronics. Its rugged construction makes it suitable for factory floor machinery and CNC equipment ventilation.

Supplemental Images

