

KA1238HA1 KAKU 110-120VAC 120x120x38mm IP55 Axial Fan Datasheet



Brand: KAKU

SKU: 1015815842354

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/ka1238ha1-kaku-110-120vac-120x120x38mm-ip55-axial-fan>

Product Description

The KAKU KA1238HA1 is a robust AC Axial Fan engineered for demanding industrial environments requiring superior thermal management and structural integrity. Operating at a rated voltage of 110-120VAC, this unit features a precision Ball Bearing system that significantly reduces rotational friction, ensuring extended operational longevity and consistent performance. The fan is distinguished by its full metal construction, utilizing both an Aluminum Frame and an Aluminum Impeller, which provides exceptional rigidity and enhanced heat dissipation properties compared to plastic alternatives. Designed with IP55 ingress protection, the KA1238HA1 offers substantial resilience against dust and moisture intrusion. Its aerodynamic profile is optimized to minimize thermal impedance while delivering high-volume airflow, making it particularly effective in extreme temperature variations, capable of reliable startup and operation in environments as low as -50°C.

Model Number: KA1238HA1

Brand: KAKU

Product Type: AC Axial Fan

Rated Voltage: 110/120 VAC

Frequency: 50/60 Hz

Voltage Range: 100 - 125 VAC

Rated Current: 0.28 / 0.22 A

Input Power: 22 / 19 W

Rated Speed: 2700 / 3100 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 95 / 115 CFM (161 / 195 m³/h)
Max. Static Pressure: 8.0 / 9.8 mmH₂O (78 / 96 Pa)
Dimensions: 120 x 120 x 38 mm
Weight: 550 g
Frame Material: Die-cast Aluminum Alloy
Impeller Material: Aluminum
Ingress Protection: IP55
Noise Level: 42 / 46 dBA
Operating Temperature: -50°C to +85°C
Storage Temperature: -40°C to +80°C
Life Expectancy: 50,000 Hours at 25°C
Termination: Lead Wires
Motor Type: Shaded Pole Induction Motor
Insulation Class: Class B
Dielectric Strength: 1500VAC for 1 Minute
Safety Certifications: CE, RoHS, UL
Mounting Orientation: Any

The KA1238HA1 is specifically calibrated for industrial automation and electrical cabinet cooling where reliability under harsh conditions is paramount. Its rugged all-metal construction makes the KA1238HA1 ideal for outdoor telecommunications enclosures, CNC machinery, and power supply units operating in severe climates. The fan effectively manages heat loads in server racks, welding machines, and instrumentation panels, ensuring component stability even in sub-zero environments or areas with high particulate matter.

Supplemental Images

