

HW12025BL Hang Wei 220-240VAC 120x120x25mm Axial Fan Datasheet



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Category: Axial & Centrifugal Fans

Price: \$15.99

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Product Page:

<https://www.equipspares.com/product/hw12025bl-hang-wei-220-240vac-120x120x25mm-axial-fan>

Product Description

The Hang Wei HW12025BL is a robust AC Axial Fan designed for demanding industrial thermal management applications requiring consistent airflow in a compact footprint. Engineered with a durable aluminum die-cast frame and a thermoplastic impeller, this unit ensures structural rigidity and resistance to thermal deformation under continuous load. The motor assembly operates on a 220-240VAC single-phase supply, utilizing impedance protection to mitigate burnout risks during locked rotor conditions. Its aerodynamic blade geometry is optimized to balance airflow against static pressure, effectively minimizing turbulence and acoustic signature. The HW12025BL features a precision bearing system that supports extended service life and stable operation in various mounting orientations, making it a reliable component for high-density electronic enclosures and power systems.

Model Number: HW12025BL

Brand: Hang Wei

Product Type: AC Axial Fan

Rated Voltage: 220-240 VAC

Frequency: 50/60 Hz

Rated Current: 0.10 A

Power Consumption: 18.0 W (Estimated)

Rated Speed: 2200 RPM ($\pm 10\%$)

Bearing Type: Ball Bearing

Max. Air Flow: 65.0 CFM (110.4 m³/h / 1.84 m³/min)

Max. Static Pressure: 4.5 mmH₂O (44.1 Pa / 0.18 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 330 g

Frame Material: Aluminum Alloy

Blade Material: PBT Thermoplastic (UL94V-0)

Termination: Lead Wires (2-Wire)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 38 dBA

Motor Type: Shaded Pole Induction Motor

Protection: Impedance Protected

Mounting Hole Centers: 105 x 105 mm

The HW12025BL is frequently deployed in industrial automation environments where reliable heat dissipation is critical for component longevity and system stability. Common integration points include server cabinets, telecommunications racks, and electrical control panels requiring consistent air exchange to prevent hotspots. Additionally, the HW12025BL serves as an effective cooling solution for CNC machinery electronics, welding equipment, and power supply units, ensuring optimal operating temperatures are maintained to prevent thermal throttling in sensitive hardware.

Supplemental Images

