

XY12038B2H 220V 120x120x38mm EC Wide Voltage Axial Fan Datasheet



SKU: [695602368903](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Page:

<https://www.equipspares.com/product/xy12038b2h-220v-120x120x38mm-ec-wide-voltage-axial-fan>

Product Description

The XY XY12038B2H is a precision-engineered EC Axial Fan designed for high-efficiency thermal management in industrial and commercial applications. Utilizing advanced Electronically Commutated (EC) motor technology, this unit bridges the gap between AC and DC performance, offering superior energy efficiency and reduced thermal impedance compared to traditional AC counterparts. The robust frame construction ensures structural rigidity under continuous operation, while the aerodynamic blade design optimizes airflow delivery for critical components such as compressors and refrigeration units. Its wide voltage input capability ensures stable operation across fluctuating power grids, making it an ideal solution for global voltage compatibility.

Model Number: XY12038B2H

Brand: XY

Product Type: EC Axial Fan

Rated Voltage: 220V

Voltage Range: 85 - 265 VAC

Frequency: 50/60 Hz

Bearing Type: Dual Ball Bearing

Rated Speed: 2800 RPM

Max. Air Flow: 108.0 CFM (183.5 m³/h / 3.05 m³/min)

Max. Static Pressure: 8.5 mmH₂O (83.3 Pa / 0.33 inH₂O)

Rated Current: 0.15 A
Power Consumption: 12.0 W
Noise Level: 45 dBA
Dimensions: 120x120x38mm
Weight: 280 g
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Life Expectancy: 50,000 Hours at 40°C
Motor Type: EC (Electronically Commutated)
Ingress Protection: IP54
Termination: Lead Wires
Safety Certifications: CE, RoHS, UL

This high-performance cooling solution is specifically engineered for demanding environments requiring reliable heat dissipation and continuous duty cycles. The XY12038B2H is extensively utilized in commercial refrigeration systems to maintain optimal compressor temperatures and ensure food safety compliance. Additionally, the XY12038B2H serves as a critical component in 4-inch server chassis, electrical cabinets, and industrial control panels, providing consistent airflow to prevent thermal throttling in sensitive electronics and telecommunications equipment.

Supplemental Images

