

# UF-12A23BTHBTH Fulltech 230VAC 120x120x38mm Terminal Axial Fan Datasheet



**Brand:** Fulltech

**SKU:** 1007000282477

**Category:** Axial & Centrifugal Fans

**Price:** **\$30.99**

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Product Page:

<https://www.equipspares.com/product/uf-12a23bthbth-fulltech-230vac-120x120x38mm-terminal-axial-fan>

## Product Description

The Fulltech UF-12A23BTHBTH is a robust AC axial fan engineered for demanding industrial cooling applications requiring consistent airflow and high thermal efficiency. This unit utilizes an advanced AC motor architecture paired with a precision dual ball bearing system, significantly reducing friction and extending operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure capabilities while minimizing turbulence-induced noise, ensuring a favorable acoustic profile. Constructed with a die-cast aluminum housing for superior structural rigidity and thermal impedance management, the fan effectively dissipates heat in enclosed environments. Its terminal connection type facilitates secure integration into power systems, making it a reliable solution for maintaining optimal operating temperatures in critical electronic assemblies.

Model Number: UF-12A23BTHBTH

Brand: Fulltech

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50/60 Hz

Voltage Range: 207 - 253 VAC

Rated Current: 0.14 / 0.12 A

Input Power: 17 / 15 W

Rated Speed: 2700 / 3100 RPM  
Bearing Type: Dual Ball Bearing  
Max. Air Flow: 112 CFM (190 m<sup>3</sup>/h / 3.17 m<sup>3</sup>/min)  
Max. Static Pressure: 8.63 mmH<sub>2</sub>O (84.6 Pa / 0.34 inH<sub>2</sub>O)  
Dimensions: 120 x 120 x 38 mm  
Weight: 550 g  
Life Expectancy: 50,000 Hours at 25°C  
Noise Level: 42 / 46 dB(A)  
Housing Material: Die-Cast Aluminum (Black)  
Impeller Material: Thermoplastic PBT (UL94V-0)  
Termination: Terminal Type (2-Pin)  
Motor Type: Capacitor Induction Motor  
Motor Protection: Impedance Protected  
Operating Temperature: -20°C to +70°C  
Storage Temperature: -40°C to +80°C  
Dielectric Strength: 1500 VAC for 1 Minute  
Insulation Resistance: 100 MΩ at 500 VDC  
Safety Certifications: UL, cUL, TUV, CE, RoHS  
Mounting Orientation: Any

The UF-12A23BTHBTH is engineered for critical thermal regulation within industrial enclosures and power distribution systems. This model is frequently utilized in telecommunications server racks, HVAC instrumentation, and automated manufacturing control panels where continuous duty cycles are required. Additionally, the UF-12A23BTHBTH serves as a vital cooling component in medical diagnostic equipment and welding machines, ensuring sensitive electronics remain within safe operating temperature ranges to prevent thermal shutdown.

## Supplemental Images

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