

# UF-12A23BTH FULLTECH 230VAC 120x120x38mm Axial Fan Datasheet



**Brand:** Fulltech

**SKU:** [996578747267](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page:

<https://www.equipspares.com/product/uf-12a23bth-fulltech-230vac-120x120x38mm-axial-fan>

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## Product Description

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The FULLTECH UF-12A23BTH is a robust AC axial fan engineered for demanding industrial thermal management applications. Utilizing a high-efficiency shaded pole induction motor architecture, this unit delivers consistent airflow performance while maintaining exceptional structural rigidity through its die-cast aluminum housing. The design incorporates a precision dual ball bearing system, which significantly reduces rotational friction and extends the operational lifespan under continuous duty cycles. Optimized for environments requiring reliable static pressure, the impeller geometry minimizes turbulence and lowers thermal impedance. With integrated impedance protection and thermal safety mechanisms, the UF-12A23BTH ensures stable operation even under fluctuating electrical conditions, making it a critical component for cooling infrastructure.

Model Number: UF-12A23BTH

Brand: FULLTECH

Product Type: AC Axial Fan

Rated Voltage: 230 VAC

Frequency: 50/60 Hz

Power Input: 17/15 W

Rated Speed: 2700 / 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 112.0 CFM (190.2 m<sup>3</sup>/h / 3.17 m<sup>3</sup>/min)

Max. Static Pressure: 8.38 mmH<sub>2</sub>O (82.18 Pa / 0.33 inH<sub>2</sub>O)

Dimensions: 120x120x38mm

Weight: 530 g

Noise Level: 42 / 46 dB(A)

Frame Material: Aluminum Die-Casting (Black Paint)

Blade Material: Thermoplastic PBT (UL94V-0)

Motor Type: Shaded Pole Induction Motor

Termination: Terminal Type (0.187" faston)

Protection: Impedance Protected / Thermal Protection

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +80°C

Life Expectancy: 50,000 Hours at 25°C

Dielectric Strength: 1500VAC for 1 min

Insulation Resistance: >100M Ohm at 500VDC

Safety Approvals: UL, cUL, TUV, CE

The UF-12A23BTH is specifically designed for integration into industrial control cabinets, power distribution units, and server rack enclosures where reliable heat dissipation is paramount. Its robust construction allows it to function effectively in factory automation environments and heavy-duty machinery panels, ensuring longevity in harsh conditions. The UF-12A23BTH maintains optimal operating temperatures for sensitive electronic components, preventing thermal throttling in telecommunications equipment, medical instrumentation, and network switchgear.

## Supplemental Images

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