

BF4020H24S Coolcox 24VDC 8000RPM 40x40x20mm Blower Fan Datasheet



Brand: COOLCOX

SKU: [931698168644](#)

Category: Axial & Centrifugal Fans

Price: **\$14.43**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/bf4020h24s-coolcox-24vdc-8000rpm-40x40x20mm-blower-fan>

Product Description

Coolcox BF4020H24S is a 40 x 40 x 20 mm centrifugal blower fan operating at 24 VDC with a nominal speed of 8 000 RPM. The unit features a PBT plastic housing and impeller rated to UL 94V-0 standards, integrated with a high-precision sleeve bearing system. It utilizes a brushless DC motor design providing 3.8 CFM of airflow and 12.8 mmH₂O static pressure. The electrical interface consists of two UL 2468 AWG 26 lead wires, drawing a rated current of 0.10 A and power consumption of 2.4 W.

BF4020H24S Specifications

Model: BF4020H24S

Brand: Coolcox

Category: DC Blower Fan

Dimensions: 40 x 40 x 20 mm

Rated Voltage: 24 VDC

Operating Voltage Range: 14.0 to 27.6 VDC

Rated Current: 0.10 A

Input Power: 2.4 W

Rated Speed: 8 000 RPM

Maximum Airflow: 3.8 CFM

Static Pressure: 12.8 mmH₂O

Noise Level: 38.0 dBA

Bearing Type: Sleeve Bearing

Frame Material: Thermoplastic PBT (UL 94V-0)

Impeller Material: Thermoplastic PBT (UL 94V-0)

Lead Wire: UL 2468 AWG #26

Connector: 2-pin (stripped/tinned)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Insulation Resistance: 10 M Ohm at 500 VDC

Dielectric Strength: 5 mA Max at 500 VAC for 1 minute

Life Expectancy: 30 000 hours at 25 °C

Weight: 17 g

BF4020H24S Applications

Primary applications include integration into 3D printer hotend cooling assemblies, compact medical respiratory equipment, and telecommunication server rack ventilation modules. Deployed within automotive seat climate control systems and industrial laser power supply thermal management units.

Supplemental Images

