

S2D250-BI02-01 ebm-papst 230/400VAC 100/140W 250mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [1041598515609](#)

Category: Axial & Centrifugal Fans

Price: **\$342.86**

E-mail: sales@equipspares.com

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Product Description

ebm-papst S2D250-BI02-01 250 mm 230 / 400 VAC 100 / 140 W axial fan delivers a maximum airflow of 2810 m³/h. This unit features seven sickled blades constructed from black-coated sheet steel and a phosphated steel guard grille with black plastic coating. The internal mechanism utilizes a dual ball bearing system for horizontal or vertical shaft mounting. It is equipped with an M2D068-CF motor, providing a rotational speed of up to 2650 rpm and a maximum back pressure of 150 Pa. The assembly includes a lateral cable exit with 0.45 m leads and maintains an IP 44 protection rating with insulation class B.

S2D250-BI02-01 Specifications

Model: S2D250-BI02-01

Brand: ebm-papst

Motor: M2D068-CF

Phase: 3 ~

Nominal Voltage: 230 / 400 VAC

Frequency: 50 / 60 Hz

Power Input: 100 / 140 W

Current Draw: 0.20 / 0.40 A

Speed: 2500 / 2650 rpm

Airflow: 2450 / 2810 m³/h

Max Back Pressure: 150 Pa

Fan Size: 250 mm

Weight: 2.1 kg

Number of Blades: 7

Blade Material: Sheet steel, coated in black

Guard Grille Material: Steel, phosphated and coated in black plastic

Direction of Rotation: Counter-clockwise

Direction of Airflow: A

Protection Rating: IP 44

Insulation Class: B

Operating Temperature: -25 to 65 °C

Storage Temperature: -40 to 80 °C

Bearing Type: Ball bearing

Cable Length: 0.45 m

Certifications: CE, CCC, EN 60335-1

S2D250-BI02-01 Applications

Primary applications include integration into industrial frequency converter cooling systems, electrical control cabinet thermal management, and telecommunications base station ventilation. Deployed within CNC machine tool enclosures, medical diagnostic equipment, and high-density server rack cooling arrays to maintain optimal operating temperatures.

Supplemental Images

