S2D250-BH02-01 ebm-papst 230/400VAC 250mm Axial Fan Datasheet

Brand: ebmpapst

SKU: 1009213799396

Category: Axial & Centrifugal Fans

Price: **$312.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/s2d250-bh02-01-ebm-papst-230-400vac-250mm-axial-fan

Product Description

The ebm-papst S2D250-BH02-01 is a robust Axial Fan engineered for high-demand industrial thermal management applications. This unit features a high-efficiency 3-phase AC external rotor motor designed to deliver consistent airflow while maintaining optimal thermal impedance under continuous operation. Constructed with precision-balanced sheet steel blades and a durable housing, the fan ensures structural rigidity and reduced vibration resonance. Its advanced ball bearing architecture significantly extends service life, making it suitable for harsh environments requiring reliable air movement. The aerodynamic profile is optimized to minimize turbulence, thereby enhancing static pressure capabilities and overall system efficiency. This cooling solution represents the pinnacle of German engineering, prioritizing longevity and performance stability in complex electrical and mechanical systems.

Model Number: S2D250-BH02-01
Brand: ebm-papst
Product Type: Axial Fan
Rated Voltage: 230/400 VAC (3-Phase)
Frequency: 50 / 60 Hz
Power Input: 105 / 145 W
Rated Current: 0.19 / 0.23 A
Rated Speed: 2650 / 2950 RPM

Max. Air Flow: 1059 CFM (1800 m^3/h)
Max. Static Pressure: 0.60 inH_2O (150 Pa)
Bearing Type: Ball Bearing
Blade Diameter: 250 mm
Impeller Material: Sheet steel, coated in black
Motor Protection: Thermal Overload Protector (TOP)
Ingress Protection: IP44
Insulation Class: B
Operating Temperature: -25°C to +60°C
Mounting Orientation: Any
Direction of Rotation: Counter-clockwise (seen on rotor)
Weight: 2.5 kg
Life Expectancy: 40,000 Hours @ 40°C
Phase: 3-Phase
Termination: Terminal Block / Lead Wires

The S2D250-BH02-01 is specifically designed for integration into industrial ventilation systems, large-scale control cabinets, and heat exchanger assemblies. Its robust 3-phase construction makes it ideal for cooling power electronics, transformers, and welding machines where consistent thermal dissipation is critical. Additionally, the S2D250-BH02-01 serves effectively in refrigeration units and commercial HVAC modules, ensuring reliable air circulation in environments that demand continuous duty cycles and resistance to mechanical stress.

Supplemental Images


ebmpapst
Depth of screw
max. 5mm