

8317087203 VBS0250SSNFS ebmpapst 230V Centrifugal Fan

SKU: 8317087203

Price: \$514.89

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/8317087203-vbs0250ssnfs-ebmpapst-230v-centrifugal-fan/>

Product Description

The ebmpapst 8317087203 VBS0250SSNFS is a high-output 230 VAC EC Centrifugal Fan with a 250 mm RadiCal impeller, engineered for high-demand industrial ventilation and precision cooling. Driven by a high-torque GreenTech EC motor with integrated power electronics, this unit operates within a wide 200 - 277 VAC range, delivering a Max. Power Consumption (Input) of 388 W with an output of 315 W at a rated speed of 3500 RPM. Featuring a glass-fiber reinforced backward-curved impeller optimized for aerodynamic efficiency, it achieves a Max. Air Flow of 2117.0 m³/h (1246.0 CFM) and a Max. Static Pressure of 122.37 mmH₂O (1200.0 Pa / 4.82 inAq). This 3.4 kg precision-balanced assembly provides IP54 protection and supports stepless speed control via 0-10 VDC or PWM signals. The ebmpapst VBS0250SSNFS centrifugal fan is the primary cooling component for high-capacity clean room fan filter units (FFU), server room cooling systems, and industrial heat exchangers requiring high-volume air delivery and high static pressure in 230 VAC environments at the end.

8317087203 Fan Parameters

Model Number: VBS0250SSNFS

Part Number: 8317087203

Manufacturer: ebmpapst

Type: AC Centrifugal Fan

Series: RadiCal EC Series

Impeller Size: 250 mm

Weight: 3.4 kg

Bearing Type: Dual ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 277 VAC

Frequency: 50/60 Hz
Rated Current: 1.71 A
Max. Power Consumption (P1 Input): 388 W
Rated Power Output (P2): 315 W
Rated Speed: 3500 RPM
Max. Air Flow: 1246.0 CFM (2117.0 m³/h / 35.28 m³/min)
Max. Static Pressure: 122.37 mmH₂O (1200.0 Pa / 4.82 inAq)
Working Air Flow: 2117.0 m³/h
Static Pressure Increase: 1200.0 Pa
Efficiency Grade: ErP 2015 compliant (High-efficiency EC)
Control Input: 0-10 VDC / PWM / Tach output
Motor Type: EC motor (GreenTech)
Motor Protection: Integrated electronic protection
Insulation Class: Class B
Degree of Protection: IP54
Electrical Hookup: Lead wires
Number of Blades: 7
Direction of Rotation: Clockwise (viewed toward rotor)
Impeller Material: Glass-fiber reinforced PA plastic
Sound Power Level: 78.0 dB(A)
Service Life (L10): 40,000 h (at 40 °C)
Operating Temperature: -25 - +60 °C
Standard Compliance: VDE; CE; UL; RoHS

Application

The ebmpapst VBS0250SSNFS centrifugal fan is the primary cooling component for high-capacity clean room fan filter units (FFU), server room cooling systems, and industrial heat exchangers requiring high-volume air delivery and high static pressure in 230 VAC environments.

Product Images









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