

8317080005 VBS0400XSPGZ ebmpapst 230V EC Centrifugal Fan

SKU: 8317080005

Price: \$274.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/8317080005-vbs0400xspgz-ebmpapst-230v-ec-centrifugal-fan/>

Product Description

The ebmpapst 8317080005 VBS0400XSPGZ is a high-efficiency EC Centrifugal Fan with an impeller size of 400 mm and dimensions of 400 x 200 mm. Driven by the powerful M3G084-DF GreenTech EC motor, this backward-curved fan is a core member of the aerodynamically optimized RadiCal series. Operating on a single-phase nominal 230 VAC with a flexible input range of 200-277 VAC, it features a power input of 283 W (with a peak system power of 291 W) and an output of 226 W. At its rated speed of 1325 RPM, it delivers a high airflow of 2044.7 CFM (3474 m³/h) while maintaining a rated current of 1.27 A. Specifically designed for large-scale Fan Filter Units (FFU) and cleanroom ventilation, it utilizes a 7-blade glass-fiber reinforced composite impeller for superior static pressure efficiency. Equipped with integrated 0-10V control and Modbus-RTU capability, this model provides precise airflow management and long-term reliability for demanding industrial and pharmaceutical cooling applications.

8317080005 VBS0400XSPGZ Fan Parameters

Manufacturer: ebmpapst

Model Number: 8317080005 (VBS0400XSPGZ)

Motor Model: M3G084-DF

Type: EC Centrifugal Fan (Backward-curved, RadiCal)

Dimensions: 400 x 200 mm

Impeller Size: 400 mm

Nominal Voltage: 230 VAC (1~)

Operating Voltage Range: 200 to 277 VAC

Frequency: 50 / 60 Hz

Speed: 1325 RPM

Power Input/Output: 283 / 226 W

Max. System Power: 291 W

Rated Current: 1.27 A

Max. Current: 4.04 A

Max. Airflow: 2044.7 CFM (3474 m³/h)

Max. Static Pressure: 420 Pa (1.69 inAq)

Noise Level: 66 dB(A)

Termination: Variable cable leads

Bearing Type: Ball Bearing

Housing Material: Die-cast aluminum (Motor)

Impeller Material: PA plastic, glass-fiber reinforced

Number of Blades: 7

Direction of Rotation: Clockwise (viewed toward rotor)

Degree of Protection: IP20

Insulation Class: B

Operating Temp. Range: -25 °C to +60 °C

Control Input: 0-10 VDC / PWM / Modbus-RTU

Signal Output: Tacho signal

Safety Protections: Soft start, Locked-rotor protection, Over-temperature protection, Power limiter

Approvals: VDE, CE, UL, CSA, CCC, EAC

Application

This high-capacity EC centrifugal fan is primarily utilized in industrial-scale Fan Filter Units (FFU), central air handling units (AHU), and large cleanroom recirculation systems that require significant air volume against high-resistance HEPA/ULPA filters. It is an ideal cooling solution for high-density data centers, commercial HVAC systems, and pharmaceutical manufacturing plants where precise airflow control via networking protocols is required to maintain stringent environmental conditions.

Product Images









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