

# 8317084812 VHS0160XSLFZ ebmpapst 230V Centrifugal Fan

**SKU:** 8317084812

**Price:** \$398.89

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/8317084812-vhs0160xslfz-ebmpapst-230v-centrifugal-fan/>

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## Product Description

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The ebmpapst 8317084812 VHS0160XSLFZ is a heavy-duty 230 VAC EC Centrifugal Fan with a 160 mm RadiCal impeller, engineered for high-performance condensing technology and industrial air filtration. Driven by a high-torque E06005 permanent magnet DC motor with integrated EC electronics, this unit operates within a 200 - 240 VAC range, delivering a Max. Power Consumption (Input) of 170 W with an output of 124 W at a rated speed of 2327 RPM. Featuring a precision-balanced 2.8 kg assembly and a high-strength impeller, it achieves a Max. Air Flow of 526.0 m<sup>3</sup>/h (309.6 CFM) and a Max. Static Pressure of 61.18 mmH<sub>2</sub>O (600.0 Pa / 2.41 inAq). Constructed with a heavy-duty motor housing, this German-engineered unit provides IP54 protection and supports stepless speed control for mission-critical HVAC and heating systems requiring maximum structural integrity and energy efficiency at the end.

8317084812 Fan Parameters

Model Number: VHS0160XSLFZ

Part Number: 8317084812

Manufacturer: ebmpapst

Type: AC Centrifugal Fan

Series: RadiCal EC Series

Motor Model: E06005 (Permanent Magnet DC)

Impeller Size: 160 mm

Weight: 2.8 kg

Bearing Type: Dual ball bearing

Nominal Voltage: 230 VAC

Voltage Range: 200 - 240 VAC

Frequency: 50/60 Hz

Rated Current: 1.2 A  
Max. Power Consumption (P1 Input): 170 W  
Rated Power Output (P2): 124 W  
Rated Speed: 2327 RPM  
Max. Air Flow: 309.6 CFM (526.0 m<sup>3</sup>/h / 8.77 m<sup>3</sup>/min)  
Max. Static Pressure: 61.18 mmH<sub>2</sub>O (600.0 Pa / 2.41 inAq)  
Working Air Flow: 526.0 m<sup>3</sup>/h  
Static Pressure Increase: 600.0 Pa  
Efficiency Grade: ErP 2015 compliant  
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  
Frame Material: Die-cast aluminum  
Sound Pressure Level: 64.0 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 VHS0160XSLFZ centrifugal fan is the primary cooling component for high-capacity condensing gas boilers, industrial air filtration units, and medical diagnostic hardware requiring high-torque air delivery and precision EC control in 230 VAC environments.

## **Product Images**

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VHS0160XSLFZ  
8317084812 Sample  
200-240V 50/60Hz  
170W/124W(输入input/输出output)  
1.2A Ins.Cl.B级 IP54 2327r/min  
电源线(黑) 控制线(绿)  
L=黑线 +10V=红线  
N=蓝线(蓝) 0-10V/PWM=黄线  
PE=黄绿线 GND=蓝线(绿)  
Tach=白线 24300000V7  
永磁直流电机  
型号: E06005  
Manufacturer: ebm-papst Ventilator (Xian) Co., Ltd  
制造商: 陕西安源特风机(西安)有限公司  
CN(X) 30/24





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