

# 8317088366 VWLH200CKLXZ ebmpapst 48V 200mm DC Axial Fan

**SKU:** 8317088366

**Price:** \$244.99

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/8317088366-vwlh200cklxz-ebmpapst-48v-200mm-dc-axial-fan/>

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## Product Description

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The ebmpapst 8317088366 VWLH200CKLXZ is an ultra-high-power DC Axial Fan with dimensions of 200 x 200 x 70 mm. Driven by a high-performance brushless motor, this model operates at an extraordinary speed of 7000 RPM, delivering a massive airflow of 1071.2 CFM (1820 m<sup>3</sup>/h). Operating on a nominal 48 VDC, it features a robust power input of 348 W at a rated current of 7.25 A. Specifically engineered for extreme heat dissipation in large-scale telecommunications infrastructure and high-density industrial systems, it utilizes a 5-blade aerodynamic design to maximize airflow efficiency. Equipped with a four-wire termination system for integrated PWM speed control and tachometer signal feedback, the 8317088366 VWLH200CKLXZ provides superior thermal management and precise control for mission-critical applications where high air volume and reliability are paramount.

8317088366 VWLH200CKLXZ Fan Parameters

Manufacturer: ebmpapst

Model Number: 8317088366 (VWLH200CKLXZ)

Type: DC Axial Fan

Dimensions: 200 x 200 x 70 mm

Impeller Size: 190 mm

Nominal Voltage: 48 VDC

Operating Voltage Range: 36 to 60 VDC

Speed: 7000 RPM

Power Input: 348 W

Rated Current: 7.25 A

Max. Airflow: 1071.2 CFM (1820 m<sup>3</sup>/h)

Max. Static Pressure: 1150 Pa (4.62 inAq)

Noise Level: 82 dB(A)

Weight: 1.5 kg

Termination: 4 Wire Leads (PWM + Tacho)

Bearing Type: Ball Bearing

Housing Material: Die-cast aluminum

Impeller Material: Sheet steel or aluminum (coated in black)

Number of Blades: 5

Direction of Rotation: Clockwise (viewed toward rotor)

Degree of Protection: IP54

Insulation Class: B

Operating Temp. Range: -20 °C to +70 °C

Control Input: PWM speed control

Signal Output: Tacho signal

Safety Protections: Locked-rotor protection, Reverse polarity protection, Over-temperature protection, Motor current limitation

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

#### Application

The 8317088366 VWLH200CKLXZ is specifically designed for high-density thermal management in large-scale telecommunications base stations and network server rooms where massive air volume is required. This 8317088366 model is also an ideal solution for cooling industrial power inverters and energy storage systems (ESS) that operate under high-load conditions and demand robust airflow to maintain system stability. Additionally, the 48V DC architecture and 7000 RPM performance of the 8317088366 VWLH200CKLXZ make it suitable for high-performance outdoor electronics and medical imaging equipment where precise speed control and high static pressure are essential for effective heat dissipation.

## Product Images

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