

# RLF100-11/14/19 ebm-papst 24VDC 127x127x25mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** 700407951108

**Category:** Axial & Centrifugal Fans

**Price:** **\$231.99**

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Product Page:

<https://www.equipspares.com/product/rlf100-11-14-19-ebm-papst-24vdc-127x127x25mm-centrifugal-fan>

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## Product Description

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The ebm-papst RLF100-11/14/19 is a precision-engineered Centrifugal Fan designed for high-density thermal management applications requiring significant static pressure generation. Utilizing advanced DC motor technology, this unit optimizes aerodynamic efficiency to deliver superior airflow while minimizing acoustic resonance through its scroll housing design. The construction features a robust fiberglass-reinforced plastic housing that ensures structural rigidity under continuous operation, effectively reducing thermal impedance in critical electronic enclosures. Engineered with a durable ball bearing system, the RLF100-11/14/19 maintains operational stability across a wide voltage range, making it an ideal solution for demanding industrial environments requiring reliable forced convection cooling.

Model Number: RLF100-11/14/19

Brand: ebm-papst

Product Type: DC Centrifugal Fan

Rated Voltage: 24 VDC

Voltage Range: 16.0 - 30.0 VDC

Rated Current: 0.36 A (360 mA)

Power Consumption: 8.6 W

Rated Speed: 5100 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 37.7 CFM (64.0 m<sup>3</sup>/h / 1.07 m<sup>3</sup>/min)  
Max. Static Pressure: 35.69 mmH<sub>2</sub>O (350 Pa / 1.41 inH<sub>2</sub>O)  
Dimensions: 127 x 127 x 25 mm  
Weight: 0.32 kg (320 g)  
Life Expectancy: 60,000 Hours (40°C)  
Noise Level: 57 dB(A)  
Housing Material: Fiberglass-reinforced plastic (PBT)  
Impeller Material: Fiberglass-reinforced plastic (PA)  
Insulation Class: Class E  
Operating Temperature: -20°C to +75°C  
Storage Temperature: -40°C to +80°C  
Termination: Lead wires AWG 22, TR 64  
Protection: Reverse Polarity Protection, Locked Rotor Protection  
Approvals: VDE, CSA, UL, CE

Designed for restricted space applications, the RLF100-11/14/19 excels in cooling compact server racks and telecommunications equipment where high static pressure is required to overcome system resistance. This centrifugal blower is frequently integrated into medical diagnostic devices and industrial automation control panels to ensure component longevity. The RLF100-11/14/19 provides consistent airflow in high-impedance environments, making it a critical component for maintaining optimal operating temperatures in sensitive electronics and power supply units.

## Supplemental Images

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