

RL90-12/14 ebmpapst 24VDC 121x121x37mm 36W Centrifugal Blower Datasheet



Brand: ebmpapst

SKU: [1017727054810](#)

Category: Axial & Centrifugal Fans

Price: **\$142.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/rl90-12-14-ebmpapst-24vdc-121x121x37mm-36w-centrifugal-blower>

Product Description

The ebmpapst RL90-12/14 is a high-performance DC Centrifugal Blower engineered for applications requiring significant static pressure and concentrated airflow. Driven by a powerful 36W DC motor, this unit achieves a rotational velocity of 14300 RPM, ensuring rapid thermal exchange in dense electronic environments. The blower features a precision ball bearing architecture that enhances structural rigidity and longevity under continuous operation. Its aerodynamic scroll housing is constructed from fiberglass-reinforced plastic, optimizing thermal impedance while minimizing acoustic resonance. This model is designed to deliver reliable cooling performance in restricted spaces where axial fans are insufficient.

Model Number: RL90-12/14

Brand: ebmpapst

Part Number: 9394310005

Product Type: DC Centrifugal Blower

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Power: 36 W

Rated Speed: 14300 RPM

Rated Current: 1.50 A

Bearing Type: Ball Bearing

Max. Air Flow: 44.1 CFM (75.0 m³/h / 1.25 m³/min)

Max. Static Pressure: 1.80 inH₂O (450 Pa / 45.9 mmH₂O)

Dimensions: 121 x 121 x 37 mm

Weight: 0.42 kg

Housing Material: Fiberglass-reinforced plastic (PBT)

Impeller Material: Fiberglass-reinforced plastic (PA)

Direction of Rotation: Clockwise, looking at rotor

Termination: Lead wires AWG 22, TR 64

Operating Temperature: -20 to +70 °C

Storage Temperature: -40 to +80 °C

Life Expectancy: 70000 hrs at 40 °C

Ingress Protection: IP20

Insulation Class: Class B

Approvals: CE, UL, VDE

The RL90-12/14 is widely utilized in industrial sectors requiring directed cooling with high back-pressure resistance, such as telecommunications base stations and compact server racks. The unique scroll design of the RL90-12/14 allows for precise airflow targeting into heat sinks and power supply units, making it an ideal solution for medical instrumentation and CNC control panels where component density restricts natural convection.

Supplemental Images

