

# RER190-39/14/2TDMLO ebm-papst 24VDC 190mm Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** 989218872290

**Category:** Axial & Centrifugal Fans

**Price:** \$207.99

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Product Page:

<https://www.equipspares.com/product/rer190-39-14-2tdmlo-ebm-papst-24vdc-190mm-centrifugal-fan>

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## Product Description

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The ebm-papst RER190-39/14/2TDMLO is a precision-engineered DC centrifugal fan designed for high-static pressure applications requiring optimized thermal impedance management. Featuring a robust backward-curved motorized impeller, this unit integrates a high-efficiency DC motor within a structurally rigid housing to minimize vibration and acoustic resonance. The aerodynamic profile of the impeller blades ensures superior airflow delivery while maintaining operational stability under varying load conditions. Built with durable ball bearing architecture, the RER190-39/14/2TDMLO delivers consistent performance in demanding industrial environments, ensuring reliable heat dissipation and system longevity through advanced electromechanical design.

Model Number: RER190-39/14/2TDMLO

Brand: ebm-papst

Product Type: Centrifugal Fan / Motorized Impeller

Rated Voltage: 24 VDC

Voltage Range: 16.0 - 30.0 VDC

Rated Current: 2.42 A

Power Consumption: 58 W

Rated Speed: 3150 RPM

Max. Air Flow: 335.5 CFM (570 m<sup>3</sup>/h / 9.5 m<sup>3</sup>/min)

Max. Static Pressure: 2.81 inH<sub>2</sub>O (700 Pa)

Bearing Type: Ball Bearing  
Dimensions: Ø 190 mm x 69 mm  
Weight: 0.87 kg  
Impeller Material: Glass-fiber reinforced plastic (PA)  
Housing Material: Die-cast aluminum  
Direction of Rotation: Clockwise, viewed toward rotor  
Ingress Protection: IP20  
Insulation Class: Class B  
Operating Temperature: -20°C to +60°C  
Storage Temperature: -40°C to +80°C  
Noise Level: 72 dB(A)  
Termination: Lead wires  
Motor Protection: Reverse Polarity, Locked Rotor Protection  
Speed Control: Speed Signal (Tachometer)  
Life Expectancy: 70,000 Hours at 40°C

This centrifugal fan is engineered for high-density electronic cooling and ventilation systems where static pressure is a critical factor. The RER190-39/14/2TDMLO is frequently utilized in telecommunications base stations, server cabinet cooling, and industrial drive cooling systems. Additionally, the RER190-39/14/2TDMLO serves as a vital component in medical imaging equipment and compact air handling units, providing reliable airflow in space-constrained enclosures requiring sustained thermal regulation.

## Supplemental Images

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