

# M1G074-CF31-53 ebmpapst 24VDC 190mm EC Centrifugal Fan Datasheet



**Brand:** ebmpapst

**SKU:** 993025992944

**Category:** Axial & Centrifugal Fans

**Price:** **\$1,114.99**

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Product Page:

<https://www.equipspares.com/product/m1g074-cf31-53-ebmpapst-24vdc-190mm-ec-centrifugal-fan>

## Product Description

The ebmpapst M1G074-CF31-53 is a precision-engineered EC centrifugal fan designed for high-efficiency thermal management in demanding industrial environments. Featuring advanced GreenTech EC motor technology, this unit delivers superior aerodynamic performance with significantly reduced power consumption compared to traditional AC counterparts. The backward-curved impeller design optimizes static pressure capabilities while maintaining low noise emissions through enhanced structural rigidity and balanced mass distribution. Equipped with maintenance-free ball bearings, the M1G074-CF31-53 ensures long-term reliability and stable operation, effectively minimizing thermal impedance in critical electronic enclosures and ventilation systems.

Model Number: M1G074-CF31-53

Brand: ebmpapst

Product Type: EC Centrifugal Fan / Motorized Impeller

Rated Voltage: 24 VDC

Voltage Range: 16.0 - 28.0 VDC

Power Input: 48 W

Rated Current: 2.2 A

Rated Speed: 1950 RPM

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

Max. Static Pressure: 1.89 inH<sub>2</sub>O (470 Pa)

Bearing Type: Ball Bearing  
Impeller Diameter: 190 mm  
Motor Size: 74 mm  
Weight: 1.4 kg  
Impeller Material: PA Plastic (Glass-fiber reinforced)  
Housing Material: Die-cast Aluminum  
Direction of Rotation: Clockwise (viewed toward rotor)  
Ingress Protection: IP20  
Insulation Class: B  
Speed Control: 0-10 VDC / PWM Control  
Signal Output: Tachometer Output  
Operating Temperature: -25°C to +60°C  
Storage Temperature: -40°C to +80°C  
Motor Protection: Reverse Polarity, Locked Rotor Protection  
Approvals: UL, CSA, VDE, CE  
Life Expectancy: 85,000 Hours (at 40°C)

This high-performance cooling solution is specifically engineered for applications requiring significant static pressure and airflow, such as telecommunications base stations, server rack cooling systems, and industrial control cabinets. The M1G074-CF31-53 excels in compact ventilation units where space is at a premium but thermal dissipation cannot be compromised. Additionally, the M1G074-CF31-53 is frequently utilized in medical technology and renewable energy inverters, providing consistent airflow to sensitive components to prevent thermal throttling.

## Supplemental Images

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