

GR31M-2DK.5H.2R Ziehl-Abegg 690VAC 310mm Centrifugal Fan Datasheet



Brand: Ziehl-Abegg

SKU: [710763916562](#)

Category: Axial & Centrifugal Fans

Price: **\$5,142.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/gr31m-2dk-5h-2r-ziehl-abegg-690vac-310mm-centrifugal-fan>

Product Description

The Ziehl-Abegg GR31M-2DK.5H.2R is a high-efficiency centrifugal fan module designed for critical industrial thermal management applications. Engineered with advanced AC motor technology and a precision-balanced impeller, this unit delivers exceptional aerodynamic performance with reduced acoustic resonance. The design prioritizes structural rigidity and low thermal impedance, ensuring consistent operation under heavy load conditions. Featuring a robust construction capable of withstanding harsh industrial environments, the fan optimizes airflow dynamics to maintain system stability. It is an ideal solution for high-pressure ventilation requirements where reliability and longevity are paramount.

Model Number: GR31M-2DK.5H.2R

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Product Type: Centrifugal Fan Module

Rated Voltage: 690VAC

Voltage Range: 600.0 - 690.0 VAC

Phase: 3-Phase

Frequency: 50/60 Hz

Impeller Diameter: 310mm

Motor Type: AC Asynchronous Motor

Bearing Type: Ball Bearing

Rated Speed: 2600 RPM
Power Input: 720 W
Rated Current: 0.92 A
Max. Air Flow: 1412 CFM (2400 m³/h)
Max. Static Pressure: 2.41 inH₂O (600 Pa)
Noise Level: 72 dB(A)
Ingress Protection: IP54
Insulation Class: F
Operating Temperature: -20°C to +60°C
Material: Galvanized Steel / High-Performance Composite
Mounting Orientation: Any
Termination: Terminal Block
Weight: 12.5 kg
Life Expectancy: 40,000 Hours @ 40°C
Certifications: CE, UL, CCC

The GR31M-2DK.5H.2R is widely utilized in high-voltage drive cooling systems, specifically within ABB frequency converter cabinets and renewable energy inverters. Its high-pressure capabilities make it suitable for forcing air through dense filter media in cleanroom environments and industrial HVAC units. Additionally, the GR31M-2DK.5H.2R serves as a critical component in traction converter cooling for railway applications and large-scale data center thermal regulation systems.

Supplemental Images

