R3G310-AN12-30/F01 ebm-papst 48VDC 310mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 983881627795

Category: Axial & Centrifugal Fans

Price: **$714.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/r3g310-an12-30-f01-ebm-papst-48vdc-310mm-centrifugal-fan

Product Description

The ebm-papst R3G310-AN12-30/F01 is a high-efficiency Centrifugal Fan engineered for demanding industrial thermal management. Utilizing advanced EC motor technology, this unit delivers precise aerodynamic performance with reduced power consumption compared to traditional AC variants. The backward curved impeller design optimizes airflow while maintaining high structural rigidity, ensuring stability under significant backpressure scenarios. Constructed with durable aluminum alloy blades, the fan minimizes thermal impedance within enclosure environments. Its robust bearing architecture supports continuous operation, making it an ideal solution for critical cooling applications requiring reliability, longevity, and consistent static pressure generation in complex ventilation systems.

Model Number: R3G310-AN12-30/F01
Brand: ebm-papst
Product Type: Backward Curved Centrifugal Fan
Motor Technology: EC (Electronically Commutated)
Rated Voltage: 48V DC
Input Power: 190W
Output Power: 150W
Rated Speed: 2000 RPM
Impeller Diameter: 310mm

Blade Material: Aluminum Alloy
Bearing Type: Ball Bearing
Mounting Type: Motor mounted
Phase: 3-Phase (Internal EC Controller)
Cooling Application: Inverter Cabinet

The R3G310-AN12-30/F01 is specifically designed for thermal regulation in high-power electronics, particularly within inverter cabinets and variable frequency drive enclosures. Its robust construction allows for integration into complex ventilation systems found in telecommunications infrastructure and industrial automation setups. By maintaining optimal operating temperatures, the R3G310-AN12-30/F01 ensures the longevity and stability of sensitive components in server racks, power supply units, and CNC machinery control panels.

Supplemental Images