R4D500-RA03-01 ebmpapst 230/400VAC 500mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 976157396652

Category: Axial & Centrifugal Fans

Price: **$985.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/r4d500-ra03-01-ebmpapst-230-400vac-500mm-centrifugal-fan

Product Description

The ebmpapst R4D500-RA03-01 is a high-efficiency backward-curved centrifugal fan engineered for demanding industrial thermal management. Powered by the robust M4D138-HF three-phase AC motor, this unit delivers superior aerodynamic performance with optimized structural rigidity. The design minimizes thermal impedance while maintaining stable operation under heavy loads. Featuring a 500mm impeller, it ensures substantial airflow delivery suitable for high-static pressure environments. The motor is constructed with precision ball bearings to enhance longevity and reduce rotational friction, ensuring reliable continuous operation in critical infrastructure.

Model Number: R4D500-RA03-01
Brand: ebmpapst
Product Type: Backward Curved Centrifugal Fan
Motor Model: M4D138-HF
Phase: 3~ (Three-Phase)
Rated Voltage: 230/400 VAC
Frequency: 50 Hz
Rated Current: 5.01 / 2.91 A
Power Input: 1520 W
Rated Speed: 1370 RPM
Impeller Diameter: 500 mm

Ingress Protection: IP54
Weight: 21.5 kg
Bearing Type: Ball Bearing
Motor Technology: AC Asynchronous
Material: Sheet Steel / Aluminum
Mounting Position: Any
Direction of Rotation: Clockwise, seen on rotor
Insulation Class: F
Compliance: CE, CCC

The R4D500-RA03-01 is specifically designed for critical cooling applications requiring high airflow and durability. Common deployments include 5G macro base stations where reliable thermal dissipation is essential for network stability. Additionally, the R4D500-RA03-01 is utilized in large-scale cabinet cooling systems and electric vehicle charging pile heat management, ensuring components remain within safe operating temperatures during peak loads. Its robust construction also makes it suitable for industrial ventilation and heavy-duty machinery cooling.

Supplemental Images