

R4D500-AT03-01 ebmpapst 230/400V fan

SKU: R4D500-AT03-01

Price: \$699.89

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.elecspares.com/product/r4d500-at03-01-ebmpapst-230-400v-fan/>

Product Description

The ebmpapst R4D500-AT03-01 represents a cornerstone in high-efficiency air movement for industrial and large-scale commercial systems. This formidable centrifugal fan, boasting a 500mm impeller, excels at moving substantial volumes of air across a spectrum of power inputs. It's engineered for dual-frequency operation (50Hz/60Hz) and accommodates multiple voltage configurations, from 230V to 480V, showcasing its global adaptability. Beyond its raw power, with outputs reaching 2450W at 60Hz and speeds up to 1620 RPM, the fan integrates robust ball bearings for enduring performance and carries an IP54 protection rating, signifying its resilience in demanding environments. This model is a strategic choice for critical air conditioning, ventilation, and power cooling applications where reliability and consistent high performance are paramount.

R4D500-AT03-01 Fan Parameters

Model: R4D500-AT03-01

Manufacturer: ebmpapst

Type: AC Centrifugal Fan (Backward-curved impeller, single inlet)

Impeller Diameter: 500mm

Motor: M4D138-HF

50 Hz Operation

Rated Voltage: 230V / 400V

Rated Current: 5.2A (at 230V) / 3.0A (at 400V)

Power Consumption: 1430 W

Speed: 1375 RPM

60 Hz Operation

Rated Voltage: 277V / 480V

Rated Current: 6.33A (at 277V) / 3.66A (at 480V)

Power Consumption: 2450 W

Speed: 1620 RPM

General Specifications

Frequency: 50 Hz / 60 Hz

Static Pressure (400V, 50Hz): 780 Pa (approx. 3.13 inch H₂O)

Noise Level (400V, 50Hz): 78 dB(A)

Bearing Type: Ball Bearing

Housing Material: Sheet aluminum (impeller is aluminum sheet, rotor is cast in aluminum)

Protection Class: IP54

Insulation Class: "F"

Motor Protection: Thermal Overload Protector (TOP) brought out

Termination: Terminal box

Weight: 22.2 kg

Operating Temperature: -40°C to +85°C (max ambient for motor)

Application: High-voltage switchgear, high-voltage inverters, motor drives, power cabinets, large HVAC systems, industrial ventilation, air conditioning units, rail transport systems.

ebm officially authorized R4D500-AT03-01 230/400V electric drive high-voltage frequency conversion cabinet dedicated fan

Product Images





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