R4D630-RB15-01 ebm-papst 400VAC 630mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 726148213446

Category: Axial & Centrifugal Fans

Price: **$1,499.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/r4d630-rb15-01-ebm-papst-400vac-630mm-centrifugal-fan

Product Description

The ebm-papst R4D630-RB15-01 is a high-efficiency backward curved centrifugal fan designed for demanding industrial ventilation requirements. Engineered with a robust M4D138-LA three-phase AC motor, this motorized impeller optimizes aerodynamic performance through its precision-balanced aluminum sheet construction. The unit features a maintenance-free ball bearing architecture that ensures long-term structural rigidity and reduced thermal impedance under continuous operation. Its backward-curved blade geometry significantly enhances static pressure capabilities while minimizing noise generation, making it an ideal solution for systems requiring substantial airflow delivery against high system resistance.

Model Number: R4D630-RB15-01
Brand: ebm-papst
Product Type: Backward Curved Centrifugal Fan
Rated Voltage: 400VAC (3-Phase)
Frequency: 50 Hz
Connection Type: Delta / Star
Rated Speed: 1320 RPM
Power Consumption: 2650 W
Current Draw: 4.6 A
Max. Air Flow: 8534 CFM (14500 m^3/h / 241.6 m^3/min)

Max. Static Pressure: 3.61 inH_2O (900 Pa / 91.77 mmH_2O)
Impeller Diameter: 630mm
Weight: 32.5 kg
Motor Type: M4D138-LA
Bearing Type: Ball Bearing
Impeller Material: Sheet aluminum
Rotor Surface: Cast aluminum
Direction of Rotation: Clockwise, viewed toward rotor
Insulation Class: F
Ingress Protection: IP54
Motor Protection: Thermal overload protector (TOP) wired internally
Ambient Temperature Range: -40°C to +55°C
Touch Current: <= 3.5 mA
Compliance: CE, CCC

The R4D630-RB15-01 is engineered for large-scale industrial air handling units, rooftop ventilation systems, and complex filtration arrays. Its robust design allows the R4D630-RB15-01 to operate reliably in clean room technology, heat exchangers, and heavy-duty cooling applications where consistent high-pressure airflow is critical for thermal management and process stability.

Supplemental Images