R2D280-AF10-09 ebmpapst 400V 280mm Centrifugal Fan

SKU: R2D280-AF10-09

Price: $833.29

Categories: Fans

Tags: ebmpapst

Product Link:
https://www.elecspares.com/product/r2d280-af10-09-ebmpapst-400v-280mm-centrifugal-fan/

Product Description

The ebmpapst R2D280-AF10-09 is a high-performance DC Axial Fan with dimensions of 280 x 280 x 125 mm. This 3-phase AC centrifugal fan is powered by an M2D074-EI external rotor motor and features a 280 mm backward-curved impeller with 11 blades made of hot-galvanised sheet steel. Designed for versatile electrical configurations, it supports both Delta (Δ) and Star (Y) connections at 400 VAC, delivering a maximum speed of 2730 RPM and a power input of 210 W in Delta mode. Its robust construction, featuring IP44 protection and a black-coated rotor surface, makes it ideal for industrial ventilation, air handling units, and cooling applications requiring high reliability and specific mounting flexibility.

R2D280-AF10-09 Fan Parameters
Manufacturer: ebmpapst
Model Number: R2D280-AF10-09
Dimensions: 280 x 280 x 125 mm
Motor: M2D074-EI
Phase: 3~
Nominal Voltage: 400 VAC
Connection: Delta (Δ) / Star (Y)
Frequency: 50 Hz
Speed: 2730 / 2200 RPM
Power Input: 210 / 160 W
Current Draw: 0.37 / 0.25 A
Min. Ambient Temperature: -25 °C
Max. Ambient Temperature: 80 / 70 °C
Weight: 4.6 kg

Impeller Size: 280 mm
Number of Blades: 11
Termination: 9 Wire Leads (Variable cable exit)
Bearing Type: Ball bearing
Impeller Material: Sheet steel, hot-galvanised
Direction of Rotation: Clockwise, seen on rotor
Mounting Position: Shaft horizontal or rotor on bottom
Degree of Protection: IP 44
Insulation Class: F
Humidity Class: F5
Motor Protection: Thermal overload protector (TOP) brought out
Approval: CCC, EN 60335-1

Application
The R2D280-AF10-09 is engineered for high-demand ventilation and cooling tasks, particularly in environments where a 3-phase power supply is standard. Its backward-curved centrifugal design is highly efficient for air conditioning systems, extraction units in commercial kitchens, and pressurized cooling for industrial control cabinets. With its S1 operation mode and robust ball bearing system, it is well-suited for continuous duty cycles in mechanical engineering and HVAC infrastructure. The ability to switch between Delta and Star connections allows for performance tuning, making it adaptable for various system resistances and energy efficiency requirements.

Product Images


ebmpapst
R2D280-AF10-09
Made in Germany
DE(N)22/25
400V~ 50Hz 0.25A 160W 2200min-1 TOP-out
400V~ 50Hz 0.37A

Scan for product details: