R4D310-CK03-05 ebmpapst 230/400VAC 310mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: 1002399214146

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/r4d310-ck03-05-ebmpapst-230-400vac-310mm-centrifugal-fan

Product Description

The ebmpapst R4D310-CK03-05 is a backward curved centrifugal fan engineered for high-efficiency thermal management in industrial environments. Utilizing a robust 3-phase AC external rotor motor, this motorized impeller delivers consistent airflow with optimized aerodynamic geometry to minimize turbulence and acoustic noise. The unit features a durable ball bearing architecture ensuring long-term reliability under continuous operation. Its structural rigidity and thermal impedance characteristics make it suitable for demanding ventilation systems requiring precise air movement and static pressure capabilities. The design integrates seamlessly into complex assemblies, offering superior performance in both intake and exhaust configurations.

Model Number: R4D310-CK03-05
Brand: ebmpapst
Product Type: Backward Curved Centrifugal Fan
Motor Type: M4D068-CF
Rated Voltage: 230/400 VAC
Connection: Delta / Star
Frequency: 50 Hz
Phase: 3-Phase
Rated Speed: 1380 RPM
Power Consumption: 110 W

Current Draw: 0.46 A (at 400V)
Impeller Diameter: 310mm
Bearing Type: Ball Bearing
Weight: 2.9 kg
Impeller Material: PA Plastic (Glass-fiber reinforced)
Direction of Rotation: Clockwise (viewed toward rotor)
Insulation Class: F
Ingress Protection: IP44
Motor Protection: Thermal Overload Protector (TOP)
Mounting Position: Shaft horizontal or rotor on bottom
Operating Temperature: -25 to +55 C
Compliance: CE

This high-performance ventilation solution is specifically designed for integration into industrial air handling units, control cabinet cooling, and cleanroom technology. The R4D310-CK03-05 excels in scenarios where compact dimensions must meet high airflow requirements, such as in telecommunications infrastructure and variable frequency drive cooling systems. Engineers frequently specify the R4D310-CK03-05 for heat exchangers and roof fans due to its efficient backward-curved blade design which handles higher static pressures effectively compared to axial alternatives.

Supplemental Images


ebmpapst
R4D310-CK03-05
Made in Germany
DE(H)43/20
3~ Y 400 V 50 Hz 3.9 A 2180 W 1310 min-1
η =37.5% (A, static) N44 N=44.2
IP54 TOP-out
20430026FJ