R2D160-AC02-13 ebm-papst 400VAC 160mm Centrifugal Fan Datasheet

Brand: ebmpapst

SKU: R2D160-AC02-13

Category: Industrial Fans

Price: **$591.00**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/r2d160-ac02-13-ebm-papst-400vac-160mm-centrifugal-fan

Product Description

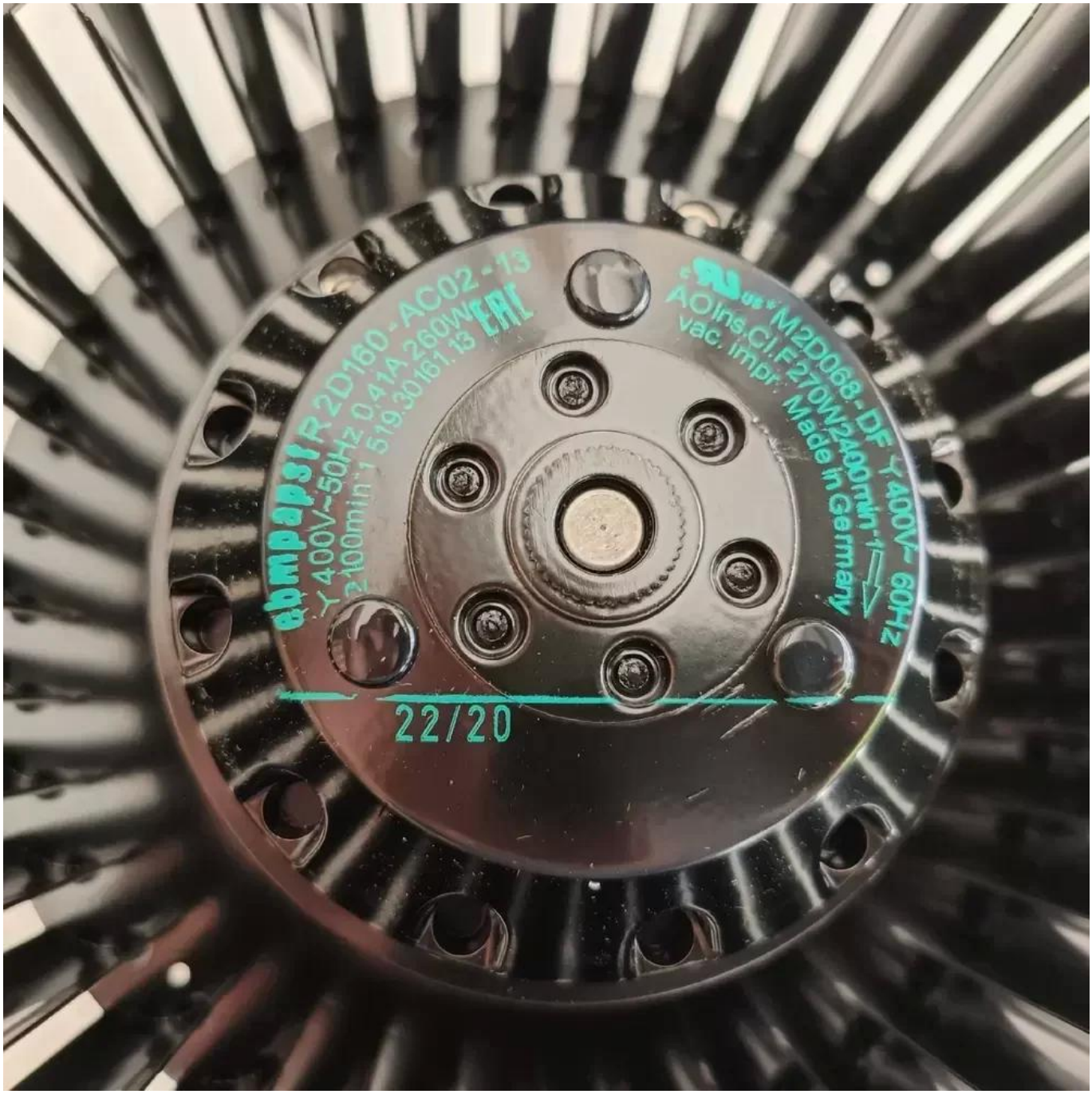
The ebm-papst R2D160-AC02-13 is a precision-engineered backward curved centrifugal fan designed for high-pressure industrial cooling applications. Driven by the robust M2D068-DF AC external rotor motor, this unit delivers exceptional aerodynamic efficiency and structural rigidity. The assembly features a 160mm impeller optimized for low noise generation while maintaining substantial airflow throughput. Engineered with maintenance-free ball bearings, the system ensures long-term reliability and reduced thermal impedance under continuous operation. Its compact form factor allows for seamless integration into space-constrained ventilation systems, providing consistent performance across dual-frequency 50/60Hz power grids.

Model Number: R2D160-AC02-13
Brand: ebm-papst
Product Type: Backward Curved Centrifugal Fan
Motor Type: M2D068-DF (AC External Rotor)
Rated Voltage: 400 VAC
Frequency: 50 / 60 Hz
Rated Current: 0.41 A
Power Consumption: 260 W (50Hz) / 270 W (60Hz)
Rated Speed: 2100 RPM (50Hz) / 2400 RPM (60Hz)
Impeller Diameter: 160 mm

Bearing Type: Ball Bearing
Max. Air Flow: 406 CFM (690 m^3/h)
Max. Static Pressure: 1.81 inH_2O (450 Pa)
Phase: 3-Phase
Mounting Orientation: Any
Operating Temperature: -25°C to +60°C
Material: PA Plastic Impeller, Die-Cast Aluminum Rotor
Life Expectancy: 40,000 Hours (L10 at 40°C)
Compliance: CE, RoHS

The R2D160-AC02-13 is widely utilized in critical industrial ventilation systems requiring high static pressure and reliable continuous operation. Common deployment scenarios include cabinet cooling for variable frequency drives, precision air conditioning units, and heat dissipation in telecommunications infrastructure. The R2D160-AC02-13 is also frequently integrated into medical diagnostic equipment and cleanroom filtration modules where consistent airflow and compact motor design are paramount for system stability.

Supplemental Images


ebmpapst
R2D160-AC02-13
400V~50Hz 0.41A 260W
2100min⁻¹ 519.30161.13
EAC
M2D068-DF Y 400V~ 60Hz
AO Ins.Cl.F 270W 2400min⁻¹
vac, impr. Made in Germany
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