



## **D2E146-HR93-01 ebmpapst**

Brand: ebmpapst

SKU: D2E146-HR93-01

Category: Centrifugal Fans

URL: <https://www.fansco.com/item/d2e146-hr93-01-ebmpapst/>

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## Product Description

D2E146-HR93-01 ebmpapst 230VAC 220x216x178mm 93.0~205CFM 63dB(A)  
160W 6 Position Rectangular Connector Blower Centrifugal AC Fan  
Type D2E146-HR93-01  
Motor M2E068-CF

The D2E146-HR93-01 is a forward-curved, dual-inlet AC centrifugal fan by ebm-papst, engineered for efficient ventilation in commercial and industrial applications. Powered by the M2E068-CF motor, it operates at 230VAC with compatibility for both 50Hz (1050 rpm, 150W, 0.66A) and 60Hz (1750 rpm, 165W, 0.73A), utilizing a 4µF/400VDB motor capacitor for stable operation and CE compliance. Featuring 4-speed stages, it allows adjustable airflow to suit varying loads, such as delivering up to 635 m³/h at free air (50Hz, Stage 1) or 170 m³/h at 360Pa backpressure (60Hz, Stage 4), with performance tested to ISO 5801 and noise levels compliant with ISO 13347 (measured 1m from the fan axis).

Constructed with a durable PP plastic housing and impeller (partially cast aluminum rotor), the fan measures 146mm in diameter and weighs 2.5kg, requiring horizontal shaft installation with dual-side anti-vibration mounts for reduced noise and vibration. It offers IP20 protection (solid object resistance), an insulation class "F" (155°C tolerance), and operates reliably between -20°C to +50°C (storage: -40°C to +80°C). Safety features include an internal thermal overload protector (TOP) to prevent overheating, a touch current <0.75mA (IEC 60990), and Protection Class I (requiring customer-connected protective earth). Certified to CE, GOST, CCC, VDE, and EN 60335-2-31, it is ideal for dry indoor environments like ventilation systems, air conditioners, and equipment cooling, where its multi-speed flexibility, global compliance, and robust design ensure reliable, energy-optimized performance.

## Technical Specifications

Attribute	Value
Part Number	D2E146-HR93-01
Manufacturer	ebm-papst
Series	D2E146
Fan Type	AC

Voltage Rating	230 VAC
Dimensions	220x216x178 mm
Air Flow	93.0 ~ 205 CFM
Air Flow (m3)	2.60 ~ 5.74m <sup>3</sup> /min
Subcategory	Blower, Centrifugal
Noise Level	63 dB(A)
Power Rating	160 W
Termination	6 Position Rectangular Connector
Approval Agency	CE, VDE
IP Rating	IP20
Subcategory	AC centrifugal fan





