

DV4600-492 ebm-papst 115VAC 119x119x38mm Metal Axial Fan Datasheet



Brand: ebmpapst

SKU: [759418291332](#)

Category: Axial & Centrifugal Fans

Price: **\$84.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/dv4600-492-ebm-papst-115vac-119x119x38mm-metal-axial-fan>

Product Description

The ebm-papst DV4600-492 is a robust AC Axial Fan engineered for demanding industrial thermal management and electronic enclosure ventilation. Utilizing an advanced external rotor shaded-pole motor, this unit delivers consistent airflow with optimized thermal impedance. The construction features a rugged die-cast aluminum housing paired with a sheet steel impeller, ensuring structural rigidity and exceptional longevity under continuous operation. Designed for 115VAC systems, it integrates precision bearing architecture to minimize friction and acoustic signature while maximizing mean time between failures (MTBF) in environments requiring reliable air movement against moderate static pressure.

Model Number: DV4600-492

Brand: ebm-papst

Product Type: AC Axial Fan

Rated Voltage: 115 VAC

Frequency: 50 / 60 Hz

Rated Current: 0.24 / 0.22 A

Power Consumption: 19.0 / 18.0 W

Rated Speed: 2650 / 3100 RPM

Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 105.9 CFM (180 m³/h / 3.0 m³/min)

Max. Static Pressure: 8.0 mmH₂O (78 Pa / 0.31 inH₂O)

Dimensions: 119 x 119 x 38 mm

Weight: 0.55 kg (1.21 lbs)

Life Expectancy: 40,000 Hours (at 40°C)

Housing Material: Die-Cast Aluminum

Impeller Material: Sheet Steel, painted black

Ingress Protection: IP20

Insulation Class: Class E

Noise Level: 46 dB(A)

Termination: 2 Flat Plugs 2.8 x 0.5 mm

Operating Temperature: -20°C to +75°C

Storage Temperature: -40°C to +80°C

Mounting Orientation: Any

Motor Protection: Impedance Protected

Approvals: VDE, CSA, UL, CE

The DV4600-492 is specifically calibrated for high-density electronic enclosure cooling, making it an ideal solution for Rittal cabinet fans and server rack ventilation systems. Industrial automation setups utilize the DV4600-492 to maintain optimal operating temperatures in CNC control panels, power supply units, and telecommunications infrastructure, effectively preventing thermal throttling in critical hardware components.

Supplemental Images

