

DV6318/2TDH5P ebm-papst 48VDC 172x150x51mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [781990874632](#)

Category: Axial & Centrifugal Fans

Price: **\$720.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/dv6318-2tdh5p-ebm-papst-48vdc-172x150x51mm-axial-fan>

Product Description

The ebm-papst DV6318/2TDH5P is a robust high-performance DC axial fan engineered for demanding industrial applications. Featuring a powerful DC motor, this unit delivers exceptional airflow and static pressure capabilities crucial for effective thermal management. Its advanced aerodynamic design, coupled with precision bearings, ensures reliable operation and extended service life. The fan's structurally rigid housing and optimized impeller geometry contribute to superior airflow characteristics and efficient pressure development, minimizing thermal impedance within critical systems. Designed for continuous duty, the DV6318/2TDH5P maintains stable performance across its wide operating voltage range, making it an ideal solution for environments requiring stringent thermal control.

Model Number: DV6318/2TDH5P

Brand: ebm-papst

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 72.0 VDC

Rated Current: 8.1 A

Power: 388 W

Rated Speed: 7000 RPM

Bearing Type: Precision long-life bearings

Max. Air Flow: 700 CFM (1189 m³/h / 19.82 m³/min)

Max. Static Pressure: 75 mmH₂O (735 Pa / 2.95 inH₂O)

Dimensions: 172 x 150 x 51 mm

Weight: 1.2 kg

Life Expectancy: 70,000 hours at 40°C (L10)

Speed Control: PWM control, Tachometer output, Alarm output

Ingress Protection: IP54

Insulation Class: Class B

Noise Level: 75 dB(A)

Housing Material: Die-cast aluminum

Blade Material: PA plastic, UL94V-0

Termination: Lead wires

Operating Temperature: -20 to +70 °C

Storage Temperature: -40 to +80 °C

Mounting Orientation: Any

Certifications: CE, UL, cUL, VDE

Protection Features: Reverse polarity protection, Locked rotor protection, Over-temperature protection

The ebm-papst DV6318/2TDH5P is ideally suited for critical thermal management in high-density electronic enclosures and industrial machinery. Its robust design makes the DV6318/2TDH5P an excellent choice for applications such as server racks, telecommunications equipment, power supplies, and automation systems where reliable cooling is paramount. This fan ensures optimal operating temperatures in environments demanding continuous, high-volume airflow and significant static pressure development, safeguarding sensitive components from overheating and extending system longevity.

Supplemental Images

