



## 6318/2TDHP ebmpapst

Brand: ebmpapst

SKU: 6318/2TDHP

Category: Axial compact fans

URL: <https://www.fansco.com/item/6318-2tdhp-ebmpapst/>

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### **Product Description**

The ebmpapst 6318/2TDHP is a premium high-performance DC axial compact fan (Ø 172 x

51 mm) engineered for demanding thermal management applications that require exceptional efficiency and long-term reliability. Operating at a nominal voltage of 48 VDC (with a broad 36 to 72 VDC input range), this robust cooling solution utilizes an advanced 3-phase fan drive to deliver a powerful airflow of 600 m<sup>3</sup>/h at a high speed of 5500 rpm. Despite its high output, it maintains optimal energy efficiency with a power consumption of 40 W and keeps acoustic noise at a manageable sound pressure level of 60 dB(A). Designed for industrial durability, the 6318/2TDHP features a rugged die-cast aluminum housing, a lightweight glass-fiber reinforced PA plastic impeller, and premium ball bearings that guarantee an extended service life of up to 75,000 hours at 40°C. Supporting a wide operating temperature range from -20°C to 75°C and equipped with integrated motor protection against reverse polarity and blocked rotors, this fan provides system integrators with a highly dependable, specification-driven cooling solution that meets the rigorous standards of modern electronic equipment.

## Technical Specifications

Attribute	Value
Part Number	6318/2TDHP
Manufacturer	ebm-papst
Air Flow	353.1 CFM
Voltage Range	36~72V
Fan Type	DC
Noise Level	60 dB(A)
Sound power level	7.3B
Dimensions	172x51 mm
Air Flow (m3)	9.89m <sup>3</sup> /min
Series	6300TD
Voltage Rating	48 VDC
Bearing Type	Ball Bearing
Features	PWM Control, Speed Sensor (Tach)
Power Rating	41 W
Fan Speed	6000 RPM
Termination	4 Wire Leads
Operating Temperature	-4 ~ 158°F (-20 ~ 70°C)
Weight	2 lbs (907.2 g)
Subcategory	Tubeaxial