412H ebm-papst 12VDC 40x40x20mm 1.1W DC Axial Fan Datasheet

Brand: ebmpapst

SKU: 780745764032

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/412h-ebm-papst-12vdc-40x40x20mm-1-1w-dc-axial-fan

Product Description

The ebm-papst 412H is a compact DC Axial Fan engineered for precision cooling in space-constrained industrial environments. Utilizing ebm-papst's proprietary Sintec sleeve bearing system, this unit delivers a superior balance between operational longevity and acoustic performance. The aerodynamic design of the impeller minimizes turbulence, thereby reducing noise generation while maintaining consistent airflow against static pressure. Constructed with high-grade fiberglass-reinforced plastics, the housing ensures structural rigidity and thermal stability. This model is optimized for low power consumption, making it an efficient solution for continuous duty cycles where thermal impedance must be actively managed.

Model Number: 412H
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.0 - 14.0 VDC
Rated Current: 0.095 A
Power Input: 1.1 W
Rated Speed: 6000 RPM
Bearing Type: Sintec Sleeve Bearing
Max. Air Flow: 7.9 CFM (13.5 m^3/h)

Max. Static Pressure: 0.17 inH_2O (42 Pa)
Noise Level: 29 dB(A)
Dimensions: 40x40x20 mm
Weight: 0.027 kg
Housing Material: PBT Plastic, Fiberglass-reinforced (UL94V-0)
Impeller Material: PA Plastic, Fiberglass-reinforced (UL94V-0)
Operating Temperature: -20 to +70 °C
Life Expectancy: 45,000 Hours @ 20°C (L10)
Termination: 2 Wire Leads (AWG 28, TR 64)
Direction of Rotation: Counter-clockwise viewed toward rotor
Airflow Direction: Air exhaust over struts
Motor Protection: Impedance Protected
Approvals: VDE, CSA, UL, CE

The 412H is specifically designed for applications requiring reliable thermal management in compact footprints, such as medical diagnostic equipment, telecommunications sub-racks, and precision drive controls. Its robust construction allows the 412H to operate effectively in diverse industrial settings, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images