AB07005HX12BB00 ADDA 12VDC 65mm PWM Centrifugal Blower Datasheet

Brand: ADDA

SKU: 886717062020

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ab07005hx12bb00-adda-12vdc-65mm-pwm-centrifugal-blower

Product Description

The ADDA AB07005HX12BB00 is a precision-engineered Centrifugal Blower designed for space-constrained thermal management applications requiring high static pressure. Utilizing advanced DC brushless motor technology and a specialized Hypro bearing architecture, this unit delivers efficient airflow while maintaining structural rigidity under high-speed operation. The aerodynamic impeller design optimizes air intake and exhaust within the ultra-thin 5mm profile, significantly reducing thermal impedance in compact electronic enclosures. Its 4-wire PWM configuration allows for dynamic speed modulation, ensuring optimal balance between cooling performance and acoustic signature.

Model Number: AB07005HX12BB00
Brand: ADDA
Product Type: Centrifugal Blower
Rated Voltage: 12 VDC
Voltage Range: 10.8 - 13.2 VDC
Rated Current: 0.55 A
Power: 6.60 W
Rated Speed: 5500 RPM
Bearing Type: Hypro (Hydraulic)
Max. Air Flow: 8.5 CFM (14.4 m^3/h)

Max. Static Pressure: 12.5 mmH_2O (122.5 Pa)
Dimensions: 65 x 65 x 5 mm
Weight: 28 g
Life Expectancy: 40,000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Ingress Protection: IP4X
Insulation Class: Class A
Noise Level: 38.0 dB(A)
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Termination: 4-Wire Lead
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C

The AB07005HX12BB00 is extensively utilized in compact computing environments, specifically serving as a primary cooling solution for high-performance laptops and ultra-thin notebooks. Beyond consumer electronics, the AB07005HX12BB00 is suitable for integrated cooling in portable projectors, small form-factor industrial PCs, and precision medical instrumentation where vertical clearance is strictly limited.

Supplemental Images


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