AS12024UB25AB00 ADDA 12VDC 120x120x25mm PWM Axial Fan Datasheet

Brand: ADDA

SKU: 700485167291

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/as12024ub25ab00-adda-12vdc-120x120x25mm-pwm-axial-fan

Product Description

The ADDA AS12024UB25AB00 is a high-performance Axial Fan engineered for demanding thermal management applications requiring substantial airflow and static pressure. This unit utilizes a robust DC motor architecture paired with a precision Dual Ball Bearing system to ensure operational longevity and structural rigidity under high-speed rotation. Designed with advanced aerodynamic blade geometry, it optimizes air intake while minimizing thermal impedance within dense electronic enclosures. The fan features Pulse Width Modulation (PWM) speed control via a 4-wire interface, allowing for dynamic thermal regulation and energy efficiency. Its durable construction meets rigorous industrial standards, making it an ideal solution for critical cooling environments where reliability is paramount.

Model Number: AS12024UB25AB00
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 1.80 A
Power Input: 21.6 W
Rated Speed: 4800 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 160.0 CFM (271.8 m^3/h / 4.53 m^3/min)
Max. Static Pressure: 18.5 mmH_2O (181.4 Pa / 0.73 inH_2O)
Dimensions: 120 x 120 x 25 mm
Weight: 220 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire Lead with Connector
Wire Configuration: Red (+), Black (-), Yellow (Tach), Blue (PWM)
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP55
Safety Certifications: UL, cUL, TUV, CE, RoHS

The AS12024UB25AB00 is specifically calibrated for high-density electronic environments such as enterprise server racks, telecommunications base stations, and industrial automation cabinets. Its high static pressure capabilities make the AS12024UB25AB00 particularly effective in forcing air through restrictive heatsinks and tightly packed chassis components. Additionally, this model is frequently utilized in precision medical instrumentation, cryptocurrency mining rigs, and CNC machinery where consistent thermal dissipation is critical for component stability and system uptime.

Supplemental Images