PLB08020B12H Power Logic 12VDC 80mm 4-Wire Blower Fan Datasheet

SKU: 893170481571

Category: Axial & Centrifugal Fans

Price: **$16.99**

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Product Page:
https://www.equipspares.com/product/plb08020b12h-power-logic-12vdc-80mm-4-wire-blower-fan

Product Description

The Power Logic PLB08020B12H is a precision-engineered DC Brushless Blower designed for high-static pressure applications within compact thermal envelopes. Utilizing a robust Ball Bearing architecture, this unit ensures long-term rotational stability and reduced friction coefficients under continuous load. The aerodynamic centrifugal impeller is optimized to direct concentrated airflow through high-density heatsink fins, effectively managing thermal impedance in integrated systems. Operating at 12VDC with a 0.60A current draw, the device features a 4-wire PWM interface, allowing for dynamic speed modulation and precise thermal regulation based on real-time system temperatures. Its structural rigidity and specialized motor winding design make it an ideal component for critical cooling solutions requiring reliability and efficiency.

Model Number: PLB08020B12H
Brand: Power Logic
Product Type: DC Brushless Blower
Rated Voltage: 12VDC
Rated Current: 0.60A
Power Consumption: 7.20W
Bearing Type: Ball Bearing
Dimensions: 80mm x 80mm x 20mm (Approximate)
Termination: 4-Wire Lead

Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer
Material: Thermoplastic PBT (UL94V-0)
Motor Type: DC Brushless
Mounting Configuration: 3-Hole Flange
Compatible Series: MSI MS-AA5E, Haier AIO
Application: CPU Cooling, Heatsink Ventilation
Cooling Method: Centrifugal Airflow

The PLB08020B12H is specifically calibrated for thermal management in All-In-One (AIO) desktop computers and compact workstations where directed airflow is essential for processor stability. Commonly integrated into systems such as the MSI MS-AA5E and Haier integrated units, the PLB08020B12H forces air through lateral heatsink channels to dissipate heat from high-TDP CPUs. Beyond consumer electronics, this blower is suitable for industrial enclosures, telecommunications equipment, and embedded systems requiring high static pressure to overcome resistance in restricted ventilation paths.

Supplemental Images