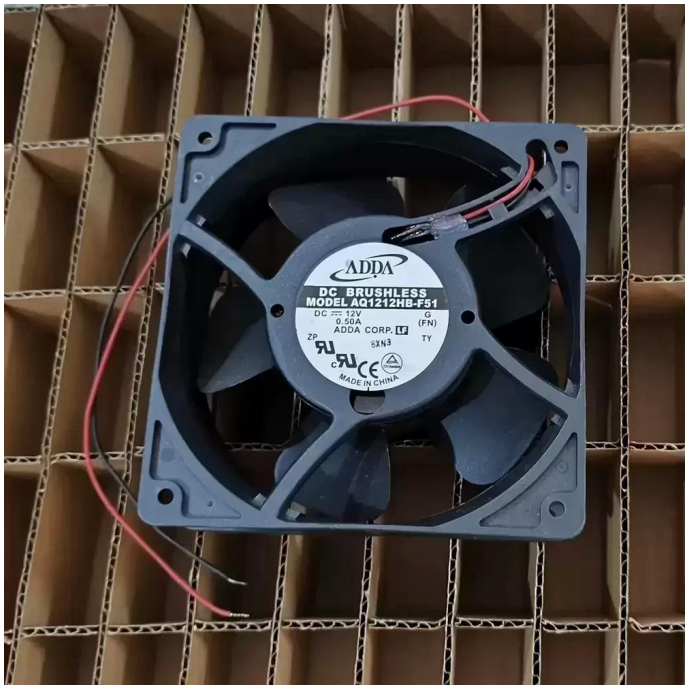
AQ1212HB-F51 ADDA 12VDC 0.50A 120x120x38mm Axial Fan Datasheet



Brand: ADDA

SKU: 833839828203

Category: Axial & Centrifugal Fans

Price: **$12.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/aq1212hb-f51-adda-12vdc-0-50a-120x120x38mm-axial-fan

Product Description

The ADDA AQ1212HB-F51 is a robust DC Axial Fan engineered for demanding industrial environments requiring elevated ingress protection and thermal management. Utilizing advanced ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic design of the impeller optimizes airflow while maintaining structural rigidity, effectively managing thermal impedance in high-density enclosures. Rated for IP55, the AQ1212HB-F51 features specialized construction to resist dust ingress and low-pressure water jets, making it an ideal solution for harsh operational climates where component reliability and durability are paramount.

Model Number: AQ1212HB-F51
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 0.50 A
Input Power: 6.00 W
Rated Speed: 3000 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 108.2 CFM (183.8 m^3/h / 3.06 m^3/min)

Max. Static Pressure: 9.20 mmH_2O (90.22 Pa / 0.36 inH_2O)
Dimensions: 120 x 120 x 38 mm
Ingress Protection: IP55
Noise Level: 46.5 dB(A)
Frame Material: Glass Fiber Reinforced PBT (UL94V-0)
Blade Material: Glass Fiber Reinforced PBT (UL94V-0)
Termination: 2-Wire Lead
Wire Gauge: 24 AWG
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours @ 40°C
Weight: 285 g
Safety Certifications: UL, CUL, TUV, CE

Designed for resilience, the AQ1212HB-F51 is frequently deployed in outdoor telecommunications cabinets and industrial automation equipment exposed to particulate matter and moisture. Its IP55 rating ensures consistent performance in CNC machinery and renewable energy inverters where standard fans fail due to environmental stress. Integrators rely on the AQ1212HB-F51 for cooling outdoor digital signage and ruggedized server racks, ensuring critical components remain within safe thermal limits despite challenging external conditions.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AQ1212HB-F51
DC 12V
0.50A
ADDA CORP.
G
(FN)
TY
ZP
8XN3
TÜV Rheinland
MADE IN CHINA