

HA1238GH12BD-R00 Hong Hua 12VDC 120x120x38mm 4-Wire Axial Fan Datasheet



SKU: [959611999502](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

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<https://www.equipspares.com/product/ha1238gh12bd-r00-hong-hua-12vdc-120x120x38mm-4-wire-axial-fan>

Product Description

The Hong Hua HA1238GH12BD-R00 is a heavy-duty industrial axial fan engineered for extreme thermal management applications requiring substantial static pressure and airflow throughput. This unit integrates a robust DC motor architecture capable of sustaining high rotational velocities, driven by a 12VDC input with a significant current draw of 5.80A. The aerodynamic profile features precision-molded blades designed to minimize turbulence while maximizing air displacement against high system impedance. Constructed with structural rigidity to withstand centrifugal forces, this 4-wire cooling solution incorporates Pulse Width Modulation (PWM) for precise speed regulation, ensuring optimal thermal impedance reduction in high-density electronic enclosures and server environments.

Model Number: HA1238GH12BD-R00

Brand: Hong Hua

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.8 - 13.2 VDC

Rated Current: 5.80 A

Power: 69.6 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 252.50 CFM (428.9 m³/h / 7.15 m³/min)

Max. Static Pressure: 35.40 mmH₂O (347.1 Pa / 1.39 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 380 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM / Tachometer Output

Termination: 4-Wire Lead

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Mounting Orientation: Any

Ingress Protection: IP40

Noise Level: 66.5 dB(A)

Designed for critical cooling infrastructure, the HA1238GH12BD-R00 is frequently deployed in high-performance computing clusters and cryptocurrency mining rigs where heat dissipation is paramount. The robust airflow generated by the HA1238GH12BD-R00 ensures stability in rack-mounted servers and telecommunications cabinets, effectively overcoming the high static pressure resistance found in densely populated chassis. Additionally, this model serves as a vital component in industrial automation equipment and forced-air cooling systems requiring reliable, continuous operation under heavy thermal loads.

Supplemental Images

