HF-28120-FP NZXT 12VDC 120x120x26mm PWM RGB Axial Fan Datasheet

SKU: 1003252669007

Category: Axial & Centrifugal Fans

Price: **$55.99**

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Product Page:
https://www.equipspares.com/product/hf-28120-fp-nzxt-12vdc-120x120x26mm-pwm-rgb-axial-fan

Product Description

The NZXT HF-28120-FP is a precision-engineered Axial Fan from the Aer RGB 2 series, designed to deliver optimal airflow with minimal acoustic signature. Integrating a Fluid Dynamic Bearing (FDB) architecture using copper, this unit ensures long-term structural rigidity and reduced friction, resulting in a lifespan exceeding 60,000 hours. The aerodynamic profile features winglet-tip blades to minimize drag and enhance fan performance, while the chamfered intake and exhaust reduce thermal impedance. Engineered for seamless integration into the HUE 2 ecosystem, it offers sophisticated PWM speed regulation for dynamic thermal management.

Model Number: HF-28120-FP
Brand: NZXT
Product Type: Axial Fan
Series: Aer RGB 2
Rated Voltage: 12 VDC
Rated Current: 0.18 A
Power Consumption: 2.16 W
Rated Speed: 500 - 1500 RPM
Speed Control: PWM (Pulse Width Modulation)
Bearing Type: Fluid Dynamic Bearing (FDB)
Max. Air Flow: 52.44 CFM (89.1 m^3/h / 1.48 m^3/min)

Max. Static Pressure: 1.35 mmH_2O (13.24 Pa / 0.05 inH_2O)
Noise Level: 22 - 33 dBA
Dimensions: 120 x 120 x 26 mm
Weight: 187 g
Life Expectancy: 60,000 Hours
Termination: 4-Pin PWM Header
Lighting: 8-LED RGB Ring (HUE 2 Compatible)
Blade Design: Winglet Tip Geometry
Material: Plastic, Rubber
Operating Voltage: 10.8 - 13.2 VDC

The HF-28120-FP is primarily deployed in high-performance desktop computing environments, specifically within chassis ventilation and liquid cooling radiator assemblies. Its balanced static pressure and airflow characteristics make it suitable for restricted airflow environments such as heatsinks and filtered intakes. System integrators and enthusiasts utilize the HF-28120-FP for custom thermal solutions requiring precise PWM control and synchronized visual feedback within the NZXT CAM software ecosystem.

Supplemental Images


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