KF4056H12B SANONDA 12VDC 1.5A 40x40x56mm Axial Fan Datasheet

SKU: 674239767094

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/kf4056h12b-sanonda-12vdc-1-5a-40x40x56mm-axial-fan

Product Description

The SANONDA KF4056H12B is a specialized industrial axial fan designed for high-density thermal management applications requiring significant static pressure. Engineered with a robust 40x40x56mm deep-frame architecture, this unit integrates a high-torque DC motor capable of sustaining a 1.5A current draw, delivering exceptional airflow throughput against high system impedance. The mechanical design features precision dual ball bearings to ensure rotational stability and longevity under continuous high-load operation, mitigating vibration and structural fatigue. Its aerodynamic blade configuration is optimized to minimize turbulence while maximizing pressure generation, making it ideal for overcoming the thermal resistance found in tightly packed server chassis and industrial enclosures. The unit includes built-in thermal protection circuitry to safeguard the motor windings against overheating.

Model Number: KF4056H12B
Brand: SANONDA
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.2 - 13.8 VDC
Rated Current: 1.5 A
Power Consumption: 18.0 W
Rated Speed: 13000 RPM (Estimated)

Bearing Type: Dual Ball Bearing
Max. Air Flow: 28.5 CFM (48.4 m^3/h)
Max. Static Pressure: 2.1 inH_2O (522 Pa)
Dimensions: 40 x 40 x 56 mm
Weight: 85 g
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Motor Protection: Thermal Control Circuit / Locked Rotor Protection
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Termination: Lead Wires
Mounting Orientation: Any

The KF4056H12B is specifically engineered for mission-critical environments such as 1U server racks, industrial control units (IPC), and high-performance computing clusters where space is limited but cooling demands are extreme. Its high static pressure capabilities allow the KF4056H12B to effectively force air through dense heatsinks and restricted airflow channels common in telecommunications equipment and power supply units.

Supplemental Images


Air Flow