# D12BM-12D Y.L.FAN 12VDC 120x120x38mm 4-Wire DC Axial Fan Datasheet


**Brand:** Y.L.FAN

**SKU:** 991730273256

**Category:** Axial & Centrifugal Fans

**Price:** **$18.99**

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Product Page:
https://www.equipspares.com/product/d12bm-12d-y-l-fan-12vdc-120x120x38mm-4-wire-dc-axial-fan

## Product Description

The Y.L.FAN D12BM-12D is a high-capacity DC Axial Fan engineered for critical industrial applications requiring aggressive thermal management. Featuring a robust Dual Ball Bearing architecture, this unit is designed to withstand continuous high-speed operation while minimizing frictional heat and mechanical wear, ensuring superior longevity and structural rigidity. The 120x120x38mm chassis houses a powerful DC motor optimized for 12VDC operation with a significant current draw of 2.3A, delivering exceptional static pressure and volumetric airflow. Its aerodynamic impeller profile is calibrated to reduce turbulence-induced noise while maximizing air throughput, making it an optimal solution for high-density electronic enclosures where thermal impedance must be strictly controlled.

Model Number: D12BM-12D
Brand: Y.L.FAN (Yate Loon)
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 2.30 A
Power: 27.6 W
Rated Speed: 4300 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 210.5 CFM (357.6 $m^3/h$)

Max. Static Pressure: 18.2 $mmH_2O$ (178.5 Pa)
Dimensions: 120 x 120 x 38 mm
Weight: 385 g
Life Expectancy: 70,000 Hours @ 40°C
Termination: 4-Wire (Lead wires)
Speed Control: PWM / Tachometer Support
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C

The D12BM-12D is specifically deployed in environments demanding rapid heat dissipation, such as enterprise server racks, cryptocurrency mining rigs, and high-performance telecommunications base stations. Due to its high static pressure capabilities, the D12BM-12D is particularly effective in forcing air through restricted spaces, including dense heatsinks and radiator arrays found in industrial automation equipment. This model ensures critical components remain within safe thermal operating limits during extended duty cycles.

## Supplemental Images


Y.L. FAN
D12BM-12D
DC 12V 2.3A
YATE LOON ELECTRONICS