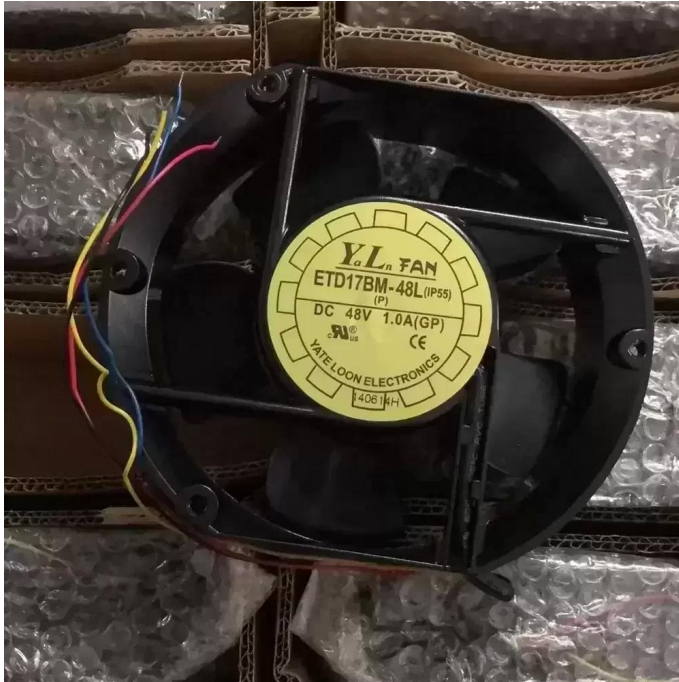


ETD17BM-48L Y.L.FAN 48VDC 172x150x51mm IP55 Axial Fan Datasheet



Brand: Y.L.FAN

SKU: [668324772551](#)

Category: Axial & Centrifugal Fans

Price: **\$38.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/etd17bm-48l-y-l-fan-48vdc-172x150x51mm-ip55-axial-fan>

Product Description

The Y.L.FAN ETD17BM-48L is a robust DC axial fan engineered for demanding industrial thermal management applications requiring high static pressure and consistent airflow. Utilizing advanced double ball bearing architecture, this unit ensures reduced frictional coefficients and extended operational longevity under continuous duty cycles. The 172x150x51mm die-cast aluminum frame provides superior structural rigidity and thermal dissipation, while the thermoplastic impeller is balanced to minimize vibration and acoustic resonance. Operating at a nominal 48VDC with a 1.0A current draw, this IP55-rated component offers significant ingress protection against dust and moisture, making it suitable for harsh environments where thermal impedance must be minimized to protect sensitive electronics.

Model Number: ETD17BM-48L

Brand: Y.L.FAN (Yate Loon)

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 1.0 A

Power Consumption: 48.0 W

Rated Speed: 3400 RPM

Max. Air Flow: 235.0 CFM (399.2 m³/h / 6.65 m³/min)

Max. Static Pressure: 21.5 mmH₂O (210.8 Pa / 0.85 inH₂O)

Bearing Type: Double Ball Bearing

Dimensions: 172mm x 150mm x 51mm

Frame Material: Die-Cast Aluminum

Impeller Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP55

Noise Level: 58.0 dBA

Termination: 4-Wire (Lead Wires)

Speed Control: PWM / Tachometer Output

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Weight: 850 g

Mounting Orientation: Any

Safety Approvals: UL, cUL, TUV, CE

The ETD17BM-48L is specifically designed for high-density electronic enclosures and industrial machinery where reliable heat dissipation is critical. Common deployment scenarios include telecommunications base stations, server rack cabinets, and power supply inverters requiring sustained airflow. The ETD17BM-48L is also frequently utilized in CNC automation equipment and medical instrumentation, where its IP55 rating protects against environmental contaminants while maintaining optimal thermal operating conditions for sensitive components.

Supplemental Images

