

CY-8028L-17 Toshiba 12VDC 80x80x28mm Axial Fan Datasheet



Brand: Toshiba

SKU: 1020763811578

Category: Axial & Centrifugal Fans

Price: \$23.99

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/cy-8028l-17-toshiba-12vdc-80x80x28mm-axial-fan>

Product Description

Toshiba CY-8028L-17 is a 12VDC 80x80x28mm Axial Fan optimized for high-density thermal management in optical projection systems. Engineered with a focus on reducing thermal impedance within compact enclosures, this DC brushless motor utilizes a precision bearing architecture to maintain structural rigidity during continuous operation. The aerodynamic blade profile is specifically tuned to deliver a consistent 0.27A current draw, ensuring stable RPM and static pressure required to prevent lamp overheating. This model is a critical component for maintaining internal equilibrium in sensitive electronic environments where airflow consistency is paramount for component longevity.

Model Number: CY-8028L-17

Brand: Toshiba

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.27 A

Power: 3.24 W

Rated Speed: 3200 RPM

Bearing Type: Precision Dual Ball Bearing

Max. Air Flow: 38.5 CFM (65.4 m³/h)

Max. Static Pressure: 4.2 mmH₂O (41.2 Pa)

Dimensions: 80 x 80 x 28 mm

Weight: 95 g

Life Expectancy: 50,000 Hours at 40°C

Speed Control: 3-Wire (Tachometer/Signal Output)

Noise Level: 34 dB(A)

Housing/Blade Material: PBT Plastic (UL94V-0)

Termination: 3-Pin Lead Wires

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Mounting Orientation: All Directional

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

CY-8028L-17 Applications

1. DLP/LCD Projector Thermal Management: Optimized for overcoming the high internal impedance of optical engines, serving as a high-reliability replacement fan to prevent premature lamp failure.
2. Compact Multimedia Enclosures: The 28mm depth provides a specific mechanical advantage for 80mm mounting slots requiring higher static pressure than standard 25mm variants.
3. Medical Imaging Equipment: Low-vibration operation ensures the fan does not interfere with sensitive optical sensors or precision diagnostic hardware.

Supplemental Images

