DYTB0838B8U-P086 AVC 48VDC 80x80x38mm PWM Axial Fan Datasheet

Brand: AVC

SKU: 684307243309

Category: Axial & Centrifugal Fans

Price: **$25.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/dytb0838b8u-p086-avc-48vdc-80x80x38mm-pwm-axial-fan

Product Description

The AVC DYTB0838B8U-P086 is a high-performance DC Axial Fan engineered for mission-critical thermal management in dense electronic enclosures. Utilizing advanced motor technology and a robust Dual Ball Bearing architecture, this unit ensures exceptional structural rigidity and prolonged operational lifespan under continuous high-speed loads. The aerodynamic impeller design optimizes airflow dynamics to overcome high system thermal impedance, delivering substantial static pressure required for restrictive environments. With integrated 4-wire PWM speed control, the DYTB0838B8U-P086 allows for precise thermal regulation, balancing cooling efficiency with acoustic performance in demanding industrial applications.

Model Number: DYTB0838B8U-P086
Brand: AVC
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 56.0 VDC
Rated Current: 0.63 A
Power Input: 30.24 W
Rated Speed: 6000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 82.5 CFM (140.1 m^3/h / 2.33 m^3/min)

Max. Static Pressure: 24.5 mmH_2O (240.2 Pa / 0.96 inH_2O)
Dimensions: 80 x 80 x 38 mm
Weight: 195 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: 4-Wire PWM
Termination: Lead Wires
Housing Material: Thermoplastic PBT (UL94V-0)
Blade Material: Thermoplastic PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP54

Designed for high-static pressure environments, the DYTB0838B8U-P086 is ideally suited for rack-mount servers and telecommunications base stations where airflow must be forced through dense component arrays. The robust construction of the DYTB0838B8U-P086 also makes it a reliable choice for industrial automation equipment, variable frequency drives, and precision medical instrumentation requiring consistent thermal dissipation.

Supplemental Images


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DC 48V 0.63A P086
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