TGM0812VW-01 Delta 12VDC 80mm Dual Motor Axial Fan Datasheet

Brand: Delta

SKU: 946112233274

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/tgm0812vw-01-delta-12vdc-80mm-dual-motor-axial-fan

Product Description

The Delta TGM0812VW-01 is a high-performance Dual Motor Axial Fan engineered for extreme thermal management in high-density environments. Featuring a counter-rotating blade configuration, this unit maximizes static pressure while minimizing flow separation, ensuring optimal aerodynamic efficiency. The 12VDC motor architecture utilizes precision ball bearings to sustain rotational speeds up to 16,500 RPM, delivering exceptional airflow capabilities. Designed with structural rigidity to withstand high centrifugal forces, the TGM0812VW-01 offers superior reliability and reduced thermal impedance for critical industrial and server applications requiring rapid heat dissipation.

Model Number: TGM0812VW-01
Brand: Delta Electronics
Product Type: Dual Motor Axial Fan
Rated Voltage: 12VDC
Voltage Range: 10.0 - 13.2 VDC
Rated Current: 12.0 A
Power Consumption: 144.0 W
Rated Speed: 16500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 280.5 CFM (476.6 m^3/h / 7.94 m^3/min)

Max. Static Pressure: 110.2 mmH_2O (1080 Pa / 4.34 inH_2O)
Dimensions: 80 x 80 x 80 mm
Weight: 450 g
Life Expectancy: 70,000 Hours at 40°C
Housing Material: PBT (UL94V-0)
Impeller Material: PBT (UL94V-0)
Motor Type: Brushless DC (Dual Motor)
Termination: 4-Wire Leads (Red/Orange +, Black/Grey -)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Ingress Protection: IP54
Noise Level: 78.5 dB(A)
Mounting Orientation: Any
Safety Certifications: UL, CUL, TUV, CE

This high-static pressure unit is specifically calibrated for demanding applications such as enterprise server racks and telecommunication base stations where airflow resistance is significant. The TGM0812VW-01 excels in automotive modification scenarios, particularly for electric supercharging intake systems, due to its immense power density and 12A current rating. Additionally, the TGM0812VW-01 is frequently utilized in precision cooling for mining rigs and industrial CNC machinery, providing the necessary thermal headroom to prevent component throttling under heavy load.

Supplemental Images