# FA482A15-M18 Delta 48VDC 172x51mm Aluminum Axial Fan Datasheet


**Brand:** Delta

**SKU:** 935156348154

**Category:** Axial & Centrifugal Fans

**Price:** **$43.99**

**E-mail:** sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/fa482a15-m18-delta-48vdc-172x51mm-aluminum-axial-fan

## Product Description

The Delta FA482A15-M18 is a heavy-duty industrial axial fan designed for extreme thermal management applications requiring high static pressure and volumetric airflow. Engineered with a robust aluminum die-cast housing, this unit ensures structural rigidity and superior heat dissipation under continuous load. The motor architecture utilizes advanced commutation electronics to manage the substantial 10.0A current draw, delivering exceptional torque to the impeller. Featuring a 4-wire configuration, likely supporting PWM speed control and tachometer signal output, it allows for precise thermal regulation. The aerodynamic blade design minimizes turbulence while maximizing air throughput, making it an ideal solution for overcoming high system impedance in dense electronic enclosures.

Model Number: FA482A15-M18
Brand: Delta
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 56.0 VDC
Rated Current: 10.0 A
Power: 480.0 W
Rated Speed: 6000 RPM (Nominal)
Bearing Type: Dual Ball Bearing

Max. Air Flow: 550.0 CFM (934.5 $m^3/h$ / 15.57 $m^3/min$)
Max. Static Pressure: 101.6 $mmH_2O$ (996.4 Pa / 4.0 $inH_2O$)
Dimensions: 172 x 172 x 51 mm
Weight: 850 g
Housing Material: Aluminum Die-Cast
Impeller Material: Reinforced Plastic UL94V-0
Termination: 4-Wire Leads
Speed Control: PWM / Tachometer
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Ingress Protection: IP54 (Standard Industrial)
Life Expectancy: 70,000 Hours at 40°C

The FA482A15-M18 is specifically engineered for mission-critical environments where component density creates significant airflow resistance. Common deployments include high-performance server racks, telecommunications base stations, and industrial rectifiers requiring rapid heat evacuation. The FA482A15-M18 excels in cooling variable frequency drives and large-scale power supplies, ensuring operational stability by preventing thermal throttling in continuous-duty cycles.

## Supplemental Images