



THB1448AE Delta

Brand: Delta

SKU: THB1448AE

Category: DC Axial Fans

URL: <https://www.fansco.com/item/thb1448ae-delta/>

Contact: sales@fansco.com

Product Description

THB1448AE Delta 139.7x139.7x38mm Ball 48VDC 1.32A
325.90CFM(9.230m3/min) 1.650inchH2O 66.8dB(A) 52.80W 6100RPM 4-wire
leads fan

Delta THB1448AE is a DC brushless axial flow fan with a nominal voltage of 48VDC (operating voltage 36-60VDC), maximum input current of 1.32A, power of 63.36W, and rotational speed of 6100RPM. It delivers a maximum air flow of 9.23m³/min (minimum 8.31m³/min) and maximum static pressure of 41.85mmH₂O (minimum 33.90mmH₂O), with an average acoustic noise of 66.8dB(A) (maximum 69.8dB(A)). The frame is die-cast aluminum, impeller is UL 94V-0 flame-retardant plastic, and double ball bearings are used, weighing 590g. Rotating clockwise from the nameplate side, it has UL 1007-F AWG#24 leads (red+ black- blue FG yellow PWM). Operating at -10°C to 70°C, storing at -40°C to 75°C, it features locked rotor protection (fire prevention within 96h of lock-up) and reverse polarity protection, with a 70,000-hour lifespan at 40°C/15%-65%RH. Supporting 20kHz PWM speed control (0-10VDC, 0%-100% duty cycle) and FG speed signal output (open collector mode), it suits high-power cooling in data center servers and industrial power supplies.

Technical Specifications

Attribute	Value
Model	THB1448AE
Manufacturer	Delta Electronics
Dimensions	139.7x139.7x38 mm
Power Rating	52.80 W
Approval Agency	CE, cURus, TUV
Operating Temperature	14 ~ 158°F (-10 ~ 70°C)
Features	Locked Rotor Protection, PWM Control, Speed Sensor (Tach)
Series	THB
Air Flow (m3)	9.230 m3/min
Termination	4 wire leads
Fan Speed	6100 RPM

Fan Type	DC
Static Pressure	1.650 inchH2O (41.85 mmH2O)
Noise Level	66.8 dB(A)
Air Flow	325.90 CFM
Voltage Rating	48 VDC
Bearing Type	Ball Bearing
Weight	1.3 lbs (600.0 g)
Category	Axial
Current Rating	1.32 A
Operating Voltage	36 ~ 60 VDC
Material Frame	Die-Cast Aluminum
Material Blade	Plastic
Lifetime @ Temp	70000 Hrs @ 40°C
Number of blades	7
Subcategory	DC axial fan





