

**THD Series - High Performance fans designed specifically for the following applications:**

TELECOM

NETWORKING

DATA CENTER / SERVER

CLOUD STORAGE



## THD series innovation with bionic blade fan

The THD series boasts newly designed bionic blades inspired by nature's most powerful winged predators. This fan series represents the most *quiet, fast, powerful, and efficient design* Delta has to offer. Engineers managed to apply the posture and wing structures of an osprey in flight to design fan blades via parameterized and simulated processes. By simulating the curve of an osprey's wing in flight, the new THD series fan reduces fan noise up to 6dB-A. THD fans offer different sizes of products, from SQ80mm to OD200mm.

### Products Features

- Higher performance at lower noise
- More powerful cooling solution
- 45% higher bionic fan efficiency
- High strength blade design
- Advanced motor driving tech

Web: [www.delta-fan.com/Technology/THD\\_fans.htm](http://www.delta-fan.com/Technology/THD_fans.htm)

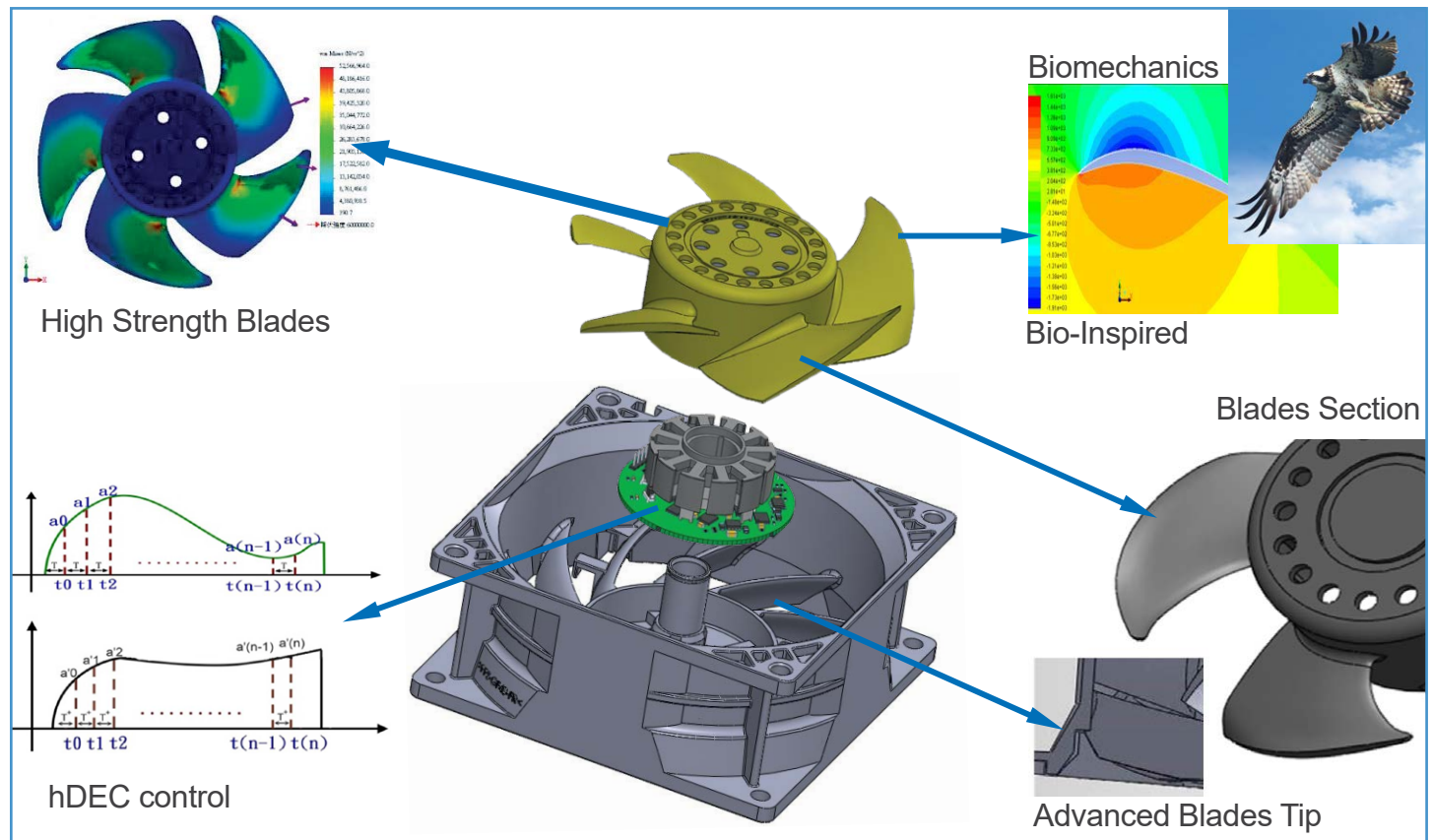
Email: [dcfansales.us@deltaww.com](mailto:dcfansales.us@deltaww.com)



# Bionic Blade Fan

**Design Concept:** Over 45% maximum fan efficiency and up to 6dB-A noise improvement

Four product features: high-strength blade design, bionic fan design (optimization of the airfoil section design), hDEC Control (advanced motor drive control to improve the fan motor drive efficiency), and impeller blade tip design.



| Part Number | Dimension (mm) | Operating Voltage Range (VDC) | Voltage (VDC) | Bearing type | Current (A) | Power (W) | Speed (RPM) | Noise (dB-A) | Air Flow (CFM) | Air Pressure (in H2O) |
|-------------|----------------|-------------------------------|---------------|--------------|-------------|-----------|-------------|--------------|----------------|-----------------------|
| THD0848ME   | 80x80x38       | 36.0~75.0                     | 48V           | ball         | 0.55        | 26.4      | 9500        | 60           | 128            | 1.48                  |
| THD0948HE-A | 92x92x38       | 36.0~75.0                     | 48V           | ball         | 1.1         | 52.8      | 13500       | 71           | 182.4          | 3.44                  |
| THD1248HE   | 120x120x38     | 32~59                         | 48V           | ball         | 2.2         | 105.82    | 10900       | 75           | 287            | 4.4                   |
| THD1348HE   | 127x127x38     | 36.0~60.0                     | 48V           | ball         | 5           | 240       | 12500       | 82           | 490            | 7.1                   |
| *THD1748HG  | 172x172x50.8   | 32.0~60.0                     | 48V           | ball         | 3.23        | 155.1     | 8000        | 72.0         | 563.5          | 4.55                  |
| THD2048HT   | 200x200x70     | 36.0~75.0                     | 48V           | ball         | 8           | 384       | 7400        | 78           | 1026           | 4.94                  |

\* THD1748HG will be available in Q2 2018

Design and specifications are subject to change without notice.

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