

**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](http://www.delta-fan.com)

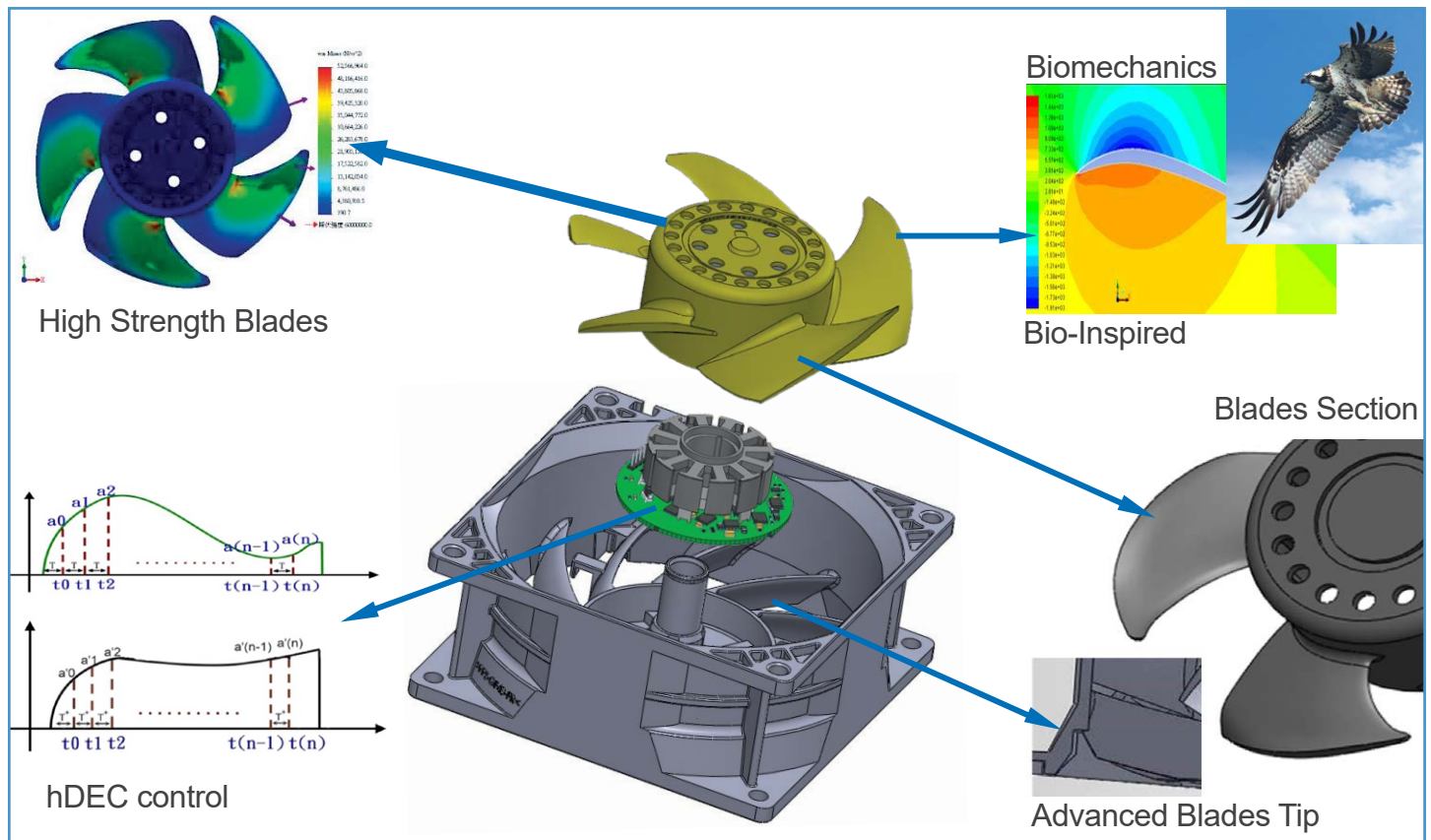
Email: [dcfansales.us@deltaww.com](mailto:dcfansales.us@deltaww.com)



# 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 H <sub>2</sub> O)
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 Dec 2017

Design and specifications are subject to change without notice.

Rev. 10/2017