

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*, *powerful*, and *efficient design*.

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 SQ60mm to OD225mm.

Products Features

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

<https://www.delta-fan.com/technology/bionic-blade-fan.html>

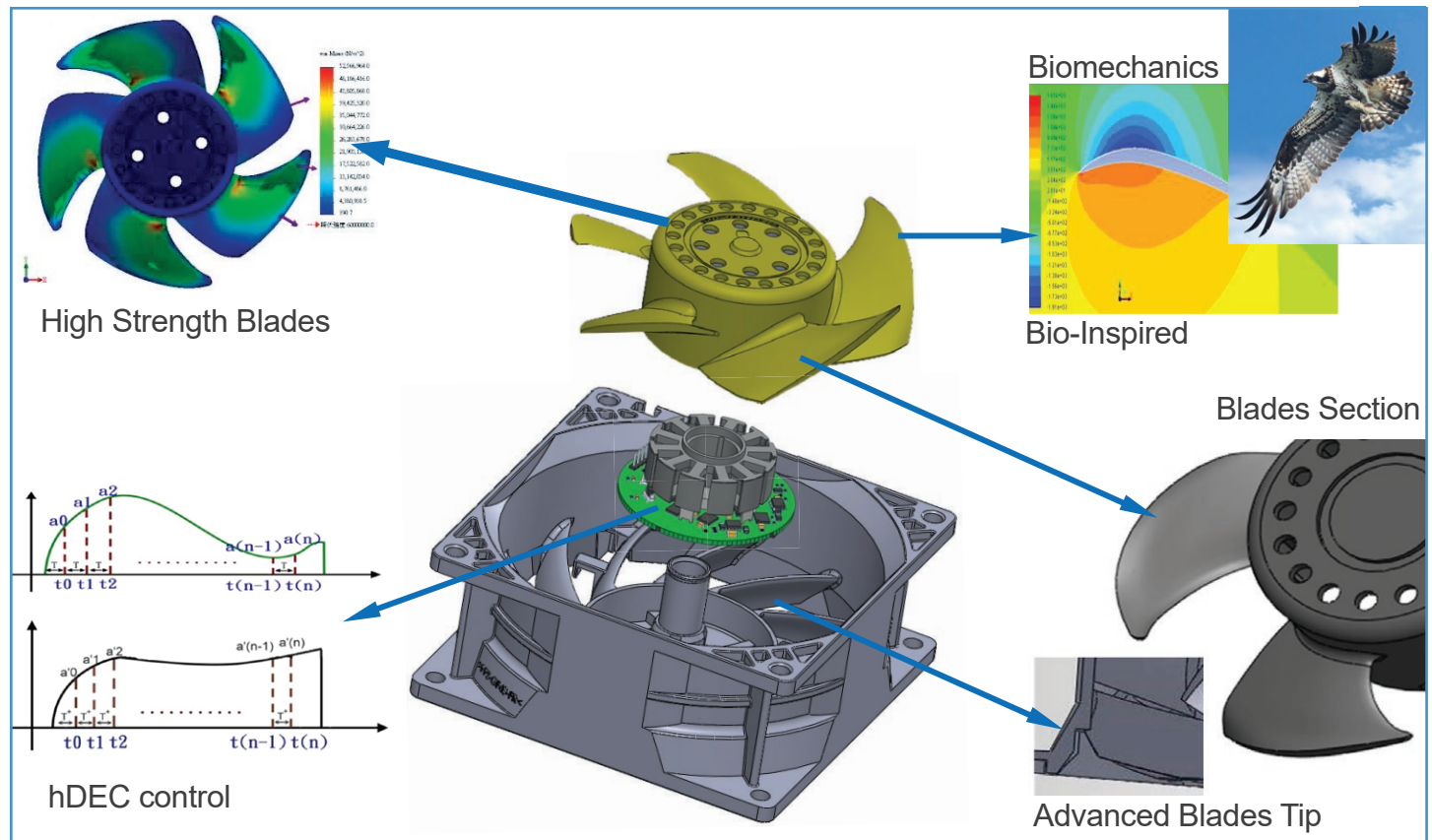
Email: dcfansales.us@deltaww.com



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 ₂ O)
THD0612VE-00	60x60x38	10.2~13.2	12	ball	2.90	34.80	19500	66.0	80.54	4.43
THD0848ME	80x80x38	36.0~75.0	48	ball	0.55	26.40	9500	60.0	128	1.476
THD0812VE-00	80x80x80	10.8~13.2	12	ball	15	180	15000	78.5	195.68	7.480
THD0848VE-00	80x80x80	36.0~72.0	48	ball	3.60	172.80	15000	78.5	195	7.280
THD0948HE-A	92x92x38	36.0~75.0	48	ball	1.10	52.80	13500	71.0	182.41	3.44
THD1248HE	120x120x38	32.0~59.0	48	ball	2.20	105.82	10900	75.0	287	4.40
THD1348HE	134x134x38	36.0~60.0	48	ball	5.00	240	12500	82.0	490	7.10
THD2048HT	200x200x70	36.0~75.0	48	ball	8.00	384	7400	78.0	1026.80	4.945
THD2348MU-00	Round-225x100W	36.0~60.0	48	ball	3.75	180	5000	70.0	915.00	2.291

Design and specifications are subject to change without notice.

Rev. 7/2021