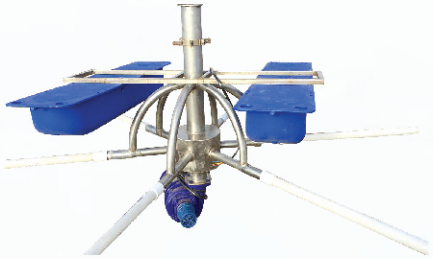
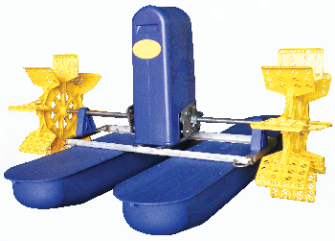
AirOxi™ TUBE

www.airoxitube.com

Better Aeration **Healthy Aqua Life**

Comparative performance of AirOxi™ Scorpion Aerator v/s Paddle Aerator

Parameter	AirOxi™ Scorpion Aerator	Paddle Aerator
		
Type of aeration	✓ Part mechanical and part diffusion	✗ Mechanical and surface only
Bubble size / water drop size	✓ 35 mm	✗ 20 mm
Numbers required per Hectare	✓ 2 nos x 5 HP	✗ 8 nos x 2 HP each
Total Power required/ lectare to get same increase in DO levels	✓ 10 HP	✗ 16 HP
Approximate Biomass support per unit	✓ 600 Kg	✗ 400 Kg per HP
Approximate Initial Cost	✓ 1.3 lacs ✓ (2 x 65,000/-)	✗ 2.80 lac (35,000/- x 8 nos)
DO – Kg / Hour / HP	✓ 2.4 Kg- 2.6 Kg	✗ 1.4 Kg - 1.6 Kg

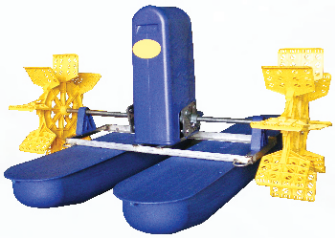
*** Information provided is based on feedback from customers**

AirOxi™ TUBE

www.airoxitube.com

Better Aeration **Healthy Aqua Life**

Comparative performance of AirOxi™ Scorpion Aerator v/s Paddle Aerator

Parameter	AirOxi™ Scorpion Aerator	Paddle Aerator
		
SOTR (Standard Oxygen Transfer Rate). Time to increase same amount of DO using 1 HP power. eg – from 4mg/L to 5mg/L	✓ 45 minutes	✗ 60 minutes
Power Cost (considering industrial power at 7/- per unit) – operating 20 hours a day, for 3 months use in a season.	✓ **94,500/-** for oxygenation **3,780/-** for water movement (2 hours) ✓ Total – **98,280/-**	✗ **1,51,200/-**
Stocking Density possible	✓ Medium	✗ Relatively Low
Noise Levels	✓ Medium	✗ High
Use during feeding time	✓ NO	✗ NO
Moving parts and maintenance	✓ Medium	✗ High

*** Information provided is based on feedback from customers**