





Performance of AirOxi™ Scorpion Aerator v/s Paddle Aerator

(Comparison based on market feedback from customers)

Parameter	AirOxi™ Scorpion Aerator	Paddle Aerator
		
Type of aeration	Part mechanical and part diffusion	Mechanical and surface only
Bubble size / water drop size	20 mm	20 mm
Numbers required per Hectare	2 nos x 5 HP	8 nos x 2 HP each
Total Power required (Standard Aeration Efficiency - SAE) 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	INR 1,30,000/- (2 x 65,000/-)	INR 2,80,000/- (35,000/- x 8 nos)
DO – Kg / Hour / HP	2.4 Kg	1.4 Kg
SOTR (Standard Oxygen Transfer Rate) (time required to increase DO to a certain extent in same conditions using same HP power)	40 minutes	60 minutes
Total Power required	10 HP	16 HP
Stocking Density possible	Low to Medium	Low to Medium
Noise Levels	High	High
Use during feeding time	NO	NO
Moving parts and maintenance	Medium	High