AirOxi Tube and Blower selection guide

Version 2.2 Sept 2019. Please contact by email on contact@airoxitube.com to check if you have the latest version of this calculation

This guide is for reference only. Please contact qualified technician for accurate calculations

All calculations are considering 24 hour operation. Please increase accordingly for lower hours of operation.

Approximate output	AirOxi tube + blower 1 HP	Airoxi Tube + Blower 5 HP
DO / hour	3.6 Kg	18 Kg

Thumb Rule used for calculations			
For Grow out shrimp	**For Grow out Fish**	**For RAS system**	**For Nursery - outdoor**
1 HP per 1 ton biomass	1 HP per 3 ton biomass	1 HP per 3 Ton biomass	0.02 HP per 1000 ltrs water (or per 1300 pcs)

Calculation is indicative only for Shrimp. For detailed calculation please use the AirOxi Aeration Calculation sheet

AirOxi Tube For Growout ponds - Mud

Bio Mass	Blower size - HP	Tube quantity (mtr)
1000	2	50
2000	3	75
3000	4	100
4000	5	125
5000	7	175
6000	8	200
7000	9	225
8000	10	250
9000	12	300
10000	13	325
11000	14	350
12000	15	375
13000	17	425
14000	18	450
15000	19	475

Calculation is as per 28 days only.

AirOxi tube for Nursery (outdoor)

Area of nursery (m2)	Water volume m3 (1.5 mtr deep)	Shrimp seeds in lac (2000 / sq mtr or 3000 / m3)	Blower size - HP
100	150	2	3
200	300	4	5
300	450	6	8
400	600	8	10
500	750	10	13
600	900	12	15
700	1050	14	18
800	1200	16	20
900	1350	18	23
1000	1500	20	25
1100	1650	22	28
1200	1800	24	30
1300	1950	26	33
1400	2100	28	35
1500	2250	30	38