

# AirMMax

Turbo Blower

[www.AirMMaxBlower.com](http://www.AirMMaxBlower.com)



Qingdao AirMMax Aeration Equipment Co., Ltd

## ● About AirMMax

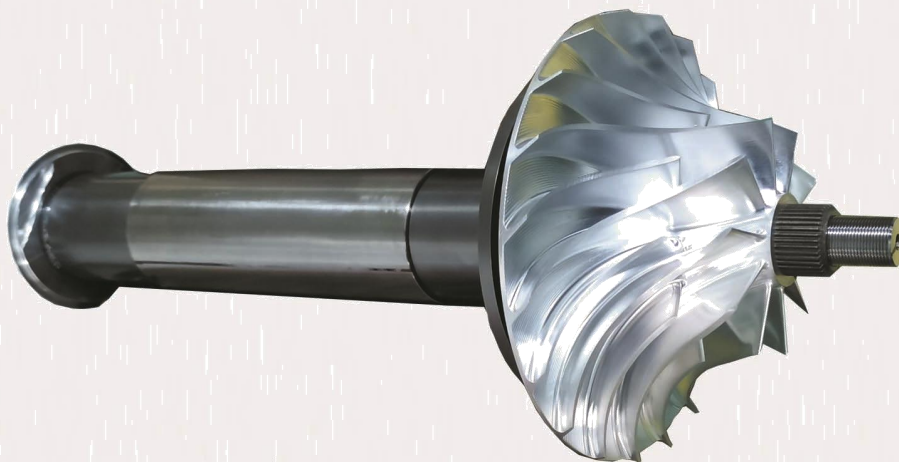
We established AirMMax with the vision to develop the company into a leading roots blower and turbo blower manufacturer and supplier. We built a 10000 m2 modern production plant equipped with automatic production CNC machine and experienced engineer and skilled assembly and installation worker in our team, which ensure AirMMax roots blower and turbo blower achieve a better operational performance and customer satisfaction.

We focus on the R&D, production, marketing and service of roots blower, turbo blower and turbo blower aerator, we design and manufacture roots blower, turbo blower and turbo blower aerator based on its unique application site and operating condition.

We have professional engineer who knows blower aeration system in water treatment plant, we have aquaculture expert who have 10 years experience in aquaculture aeration system in high density shrimp farming and hatchery, which ensure turbo blower aerator save more electricity, and we have biogas blower expert who is skilled in POME treatment to biogas power generation.

We work as solution provider on the basis of roots blower, turbo blower and turbo blower aerator, our aquaculture technical team design aeration system for high density shrimp farming and hatchery, our purchase expert launch one-stop purchase package including aerotube and diffuser, HDPE liner for customer.

Pursuit of “Customer Supreme, Quality First”, we look forward to your continuous trust and support.



## ● How Does AirMMax Aeration System Work?

AirMMax turbo blower is high speed centrifugal blower, which is specially designed and developed for water treatment and shrimp farming, it has been the the most efficient blower by saving 50% more electricity bill than traditional roots blower.

AirMMax disc diffuser is microporous diffuser, which release fine bubble uniformly from the wall of disc diffuser at the bottom of of pond.

Turbo blower supply clean air through pipe to disc diffuser and clean air pass through diffuser wall and transform into fine bubble, fine bubble rise slowly from the pond bottom to the surface which makes fine bubble have higher surface contact area and longer contact period with water, which ensure oxygen of fine bubble efficiently dissolved into the water, under the oxygen dissolution process, dissolved oxygen effect is remarkable and dramatically improve the oxygen content in the water.





## • **AirMMax Turbo Blower Advantage**

### • **High Efficient and Energy Saving**

AirMMax turbo blower save 50% more electricity bill than traditional roots blower.

### • **Easy Installation**

AirMMax turbo blower is highly integrated, low weight and easy to move, user only need to connect power cable.

### • **Plug and Play**

AirMMax turbo blower is operated by the touch screen to adjust frequency and reach required air flow and pressure.

### • **Easy Maintenance**

AirMMax turbo blower is no lubricant oil type design, which keep away from the troubles brought by lubricant oil in traditional roots blower and centrifugal blower.

## ● AirMMax Turbo Blower Parameter Table

Discharge Pressure	7HP	10HP	15HP	20HP	30HP	40HP	50HP	75HP	100HP	125HP
kpa	Air Flow(m <sup>3</sup> /min). 20℃. Humidity60%, 1atm									
30	7	10	12	18	29	43	52	88	107	142
40	6	9	11	16	27	38	47	76	95	120
50	5	8	10	14	24	33	40	59	77	95
60	4.5	7	9	12	21	28	35	53	69	87
70	4	6	8	9	19	25	31	46	63	78
80	3	5	7	8	18	22	28	41	55	70
90	/	/	/	/	15	19	25	37	50	62
100	/	/	/	/	13	17	22	34	45	56
110	/	/	/	/	/	/	/	29	41	50
120	/	/	/	/	/	/	/	/	38	45
Shaft Power(kw)	5	7.5	11	15	23	30	38	58	75	94
Blower Power(kw)	6.5	9	12.5	17.5	28	37	44	68	83	102
Discharge Pressure	150HP	175HP	200HP	250HP	300HP	350HP	400HP	500HP	600HP	700HP
kpa	Air Flow(m <sup>3</sup> /min). 20℃. Humidity60%, 1atm									
30	173	196	222	261	288	334	371	/	/	/
40	150	172	190	228	256	296	335	430	540	648
50	115	129	156	196	225	270	311	384	490	604
60	105	110	140	170	210	246	280	334	420	510
70	92	106	120	155	181	208	235	298	378	452
80	85	98	110	136	160	190	220	260	336	410
90	70	79	94	122	138	163	186	240	302	372
100	65	75	88	110	126	150	174	224	282	358
110	59	70	82	101	120	140	161	202	268	322
120	53	65	75	90	116	131	148	188	250	298
Shaft Power(kw)	114	130	150	185	225	262	300	375	450	546
Blower Power(kw)	124	142	175	208	244	295	320	400	500	600

## ● AirMMax Turbo Blower Site Application





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