AirMMax

Turbo Blower

www.AirMMaxBlower.com





Δ

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 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 Core Technology

High Efficient Impeller

AirMMax turbo blower adopt forged alumimum alloy material and machined by five axis CNC machine, which ensure impeller higher rotation speed and higher efficiency.



High Efficient VFD

AirMMax turbo blower is controlled by high efficiency VFD with working frequency range 0-2000Hz to adjust air flow and pressure.



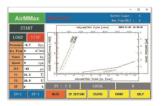
Permanent-magnet Synchronous Motor

AirMMax turbo blower is high efficient permanent magnet synchronous motor rotating maximum at 100.000rpm with efficiency reach 98%.



Touch Screen Control Panel

AirMMax turbo blower is equipped with touch screen, which is easy to operate.



Mobile Phone Remote Control

AirMMax turbo blower can be monitored and operated by mobile phone wherever you are.



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 frequecy 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(m³/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	1	1	1	1	15	19	25	37	50	62
100	1	1	1	1	13	17	22	34	45	56
110	1	1	1	1	1	1	1	29	41	50
120	1	1	1	1	1	1	1	1	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
Discharge Pressure kpa	150HP	175HP					400HP lity60%, 1		600HP	700HP
	150HP	175HP							600HP	700HP
kpa			Air	Flow(m ³ /ı	nin),20℃	C, Humid	lity60%, 1	atm		
kpa 30	173	196	Air 222	Flow(m ³ /1	min),20℃ 288	334	lity60%, 1	atm /	1	1
kpa 30 40	173 150	196 172	Air 222 190	Flow(m ³ /s 261 228	min), 20°0 288 256	334 296	371 335	atm / 430	/ 540	648
kpa 30 40 50	173 150 115	196 172 129	222 190 156	Flow(m ³ /s) 261 228 196	288 256 225	334 296 270	371 335 311	430 384	/ 540 490	/ 648 604
kpa 30 40 50	173 150 115 105	196 172 129 110	Air 222 190 156 140	Flow(m ³ /s 261 228 196 170	288 256 225 210	334 296 270 246	371 335 311 280	atm / 430 384 334	/ 540 490 420	/ 648 604 510
kpa 30 40 50 60	173 150 115 105 92	196 172 129 110 106	Air 222 190 156 140 120	Flow(m ³ /s 261 228 196 170 155	288 256 225 210 181	334 296 270 246 208	371 335 311 280 235	atm / 430 384 334 298	/ 540 490 420 378	/ 648 604 510 452
kpa 30 40 50 60 70	173 150 115 105 92 85	196 172 129 110 106 98	Air 222 190 156 140 120 110	Flow(m ³ /s) 261 228 196 170 155 136	288 256 225 210 181 160	334 296 270 246 208 190	371 335 311 280 235 220	atm / 430 384 334 298 260	/ 540 490 420 378 336	/ 648 604 510 452 410
kpa 30 40 50 60 70 80	173 150 115 105 92 85 70	196 172 129 110 106 98 79	Air 222 190 156 140 120 110 94	Flow(m ³ /s 261 228 196 170 155 136 122	288 256 225 210 181 160	334 296 270 246 208 190 163	371 335 311 280 235 220 186	atm / 430 384 334 298 260 240	/ 540 490 420 378 336 302	/ 648 604 510 452 410 372
kpa 30 40 50 60 70 80 90	173 150 115 105 92 85 70 65	196 172 129 110 106 98 79 75	Air 222 190 156 140 120 110 94 88	Flow(m ³ /s 261 228 196 170 155 136 122 110	288 256 225 210 181 160 138	334 296 270 246 208 190 163	371 335 311 280 235 220 186 174	atm / 430 384 334 298 260 240 224	/ 540 490 420 378 336 302 282	/ 648 604 510 452 410 372 358
kpa 30 40 50 60 70 80 90 100	173 150 115 105 92 85 70 65 59	196 172 129 110 106 98 79 75 70	Air 222 190 156 140 120 110 94 88 82	Flow(m ³ /s) 261 228 196 170 155 136 122 110 101	288 256 225 210 181 160 138 126	334 296 270 246 208 190 163 150	371 335 311 280 235 220 186 174 161	atm / 430 384 334 298 260 240 224 202	/ 540 490 420 378 336 302 282 268	/ 648 604 510 452 410 372 358 322

AirMMax Turbo Blower Site Application







Qingdao AirMMax Aeration Equipment Co., Ltd

Add: ZhangJiaLou Industrial Park, Qingdao City, Shandong Province, China.

M: +8618354211179 (whatsapp/wechat)

Email: inquiry@airmmax.com

Website: www.AirMMaxBlower.com

