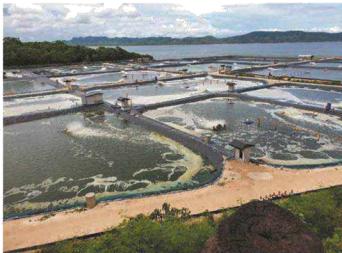


AirMMax

AMLT+ Three Lobe Roots Blower

<https://airmmax.vn/>



Qingdao AirMMax Aeration Equipment Co., Ltd

ABOUT US

AirMMax is professional manufacturer of Roots Blower, Turbo Blower Aerator and Aerotube, and has developed into an aquaculture equipment supplier together by supplying aeration hose and connector in shrimp farming aeration system.

AirMMax has focused on R&D and manufacturing of roots blower, turbo blower aerator and aerotube, AirMMax care about roots blower and aerotube performance by adopting standard production process on raw material supply, formula, productive technology and experimental data etc.

AirMMax supply aeration hose and connector in aeration system design and installation, AirMMax experienced design engineers design aeration system based on aquaculture farm condition: temperature, water quality, aquaculture species, breeding density, pond situation etc while AirMMax skilled installation team efficiently complete site installation work under different aquaculture farm.

AirMMax has good knowledge and rich experience about the aquaculture farm condition in various countries and has implementation of hundreds of thousands of hectares aquaculture farm projects worldwide, AirMMax local team delivers an immediate feedback on client's request.

With the vision of Higher Dissolved Oxygen, Better Aquaculture Harvest, AirMMax has achieved a better aeration performance and customer satisfaction.



HOW DOES ROOTS BLOWER AERATION SYSTEM WORK?

Roots blower aerator supply clean air through pipe to aerotube and clean air pass through aerotube 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.



1. Roots Blower
2. PVC Pipe
3. Tee Reducer
4. Regulating Valve
5. Connecting Hose
6. Gaint-Aerotube

AMLT Three Lobe Roots Blower

Pressure Performance Table

Qs: Inlet air flow (m³/min)

La: Blower shaft power (Kw)

Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AMLT-040	1650	0.60	0.19	0.57	0.37	0.54	0.53	0.50	0.67	0.49	0.81	0.48	0.94				
	1800	0.68	0.21	0.64	0.40	0.61	0.57	0.59	0.74	0.57	0.88	0.55	1.02				
	1950	0.75	0.23	0.71	0.43	0.69	0.62	0.66	0.80	0.64	0.96	0.62	1.11				
	2100	0.83	0.24	0.79	0.47	0.76	0.67	0.74	0.86	0.71	1.03	0.70	1.19				
	2250	0.90	0.26	0.86	0.50	0.84	0.72	0.81	0.92	0.79	1.11	0.77	1.28				
	2400	0.97	0.28	0.94	0.53	0.91	0.77	0.88	0.98	0.86	1.18	0.85	1.36				
	2550	1.05	0.30	1.01	0.57	0.98	0.81	0.96	1.04	0.94	1.25	0.92	1.45				
AMLT-050	850	0.99	0.41	0.79	0.80	0.64	1.16	0.50	1.51	0.38	1.84	0.29	2.15	0.21	2.45	0.15	2.74
	1000	1.31	0.48	1.11	0.94	0.96	1.37	0.82	1.77	0.70	2.16	0.61	2.53	0.53	2.88	0.47	3.22
	1150	1.63	0.56	1.44	1.08	1.28	1.57	1.15	2.04	1.02	2.49	0.93	2.91	0.86	3.32	0.79	3.71
	1300	1.95	0.63	1.76	1.22	1.61	1.78	1.47	2.32	1.34	2.81	1.25	3.29	1.18	3.75	1.12	4.19
	1450	2.27	0.70	2.08	1.36	1.93	1.98	1.79	2.57	1.67	3.13	1.58	3.67	1.50	4.18	1.44	4.67
	1600	2.60	0.77	2.40	1.50	2.25	2.19	2.11	2.84	1.99	3.46	1.90	4.05	1.82	4.61	1.76	5.16
	1750	2.92	0.85	2.72	1.64	2.57	2.39	2.43	3.11	2.31	3.78	2.22	4.43	2.14	5.05	2.08	5.64
AMLT-065	850	2.07	0.62	1.89	1.21	1.71	1.76	1.55	2.29	1.41	2.78	1.29	3.26	1.19	3.71	1.09	4.15
	1000	2.58	0.73	2.41	1.42	2.22	2.07	2.07	2.69	1.93	3.27	1.81	3.83	1.71	4.37	1.60	4.88
	1150	3.10	0.84	2.93	1.64	2.74	2.38	2.58	3.09	2.45	3.77	2.33	4.41	2.22	5.03	2.12	5.62
	1300	3.62	0.95	3.45	1.85	3.26	2.69	3.10	3.50	2.96	4.26	2.84	4.99	2.74	5.68	2.64	6.35
	1450	4.13	1.06	3.96	2.06	3.77	3.01	3.62	3.90	3.48	4.75	3.36	5.56	3.26	6.34	3.15	7.08
	1600	4.65	1.17	4.48	2.28	4.29	3.32	4.13	4.30	4.00	5.24	3.88	6.14	3.77	6.99	3.67	7.81
	1750	5.17	1.28	5.00	2.49	4.81	3.63	4.65	4.71	4.51	5.73	4.39	6.71	4.29	7.65	4.19	8.55
AMLT-080	850	3.24	1.12	2.87	2.14	2.54	3.08	2.23	3.94	1.95	4.73	1.71	5.47	1.48	6.15	1.28	6.79
	1000	4.14	1.32	3.77	2.52	3.44	3.62	3.13	4.63	2.85	5.57	2.60	6.44	2.38	7.24	2.18	7.99
	1150	5.04	1.51	4.67	2.90	4.34	4.16	4.03	5.33	3.75	6.40	3.50	7.40	3.28	8.33	3.08	9.19
	1300	5.94	1.71	5.57	3.27	5.24	4.71	4.93	6.02	4.65	7.24	4.40	8.37	4.18	9.41	3.98	10.39
	1450	6.84	1.91	6.47	3.65	6.14	5.25	5.83	6.72	5.55	8.07	5.30	9.33	5.08	10.50	4.88	11.58
	1600	7.74	2.11	7.37	4.03	7.04	5.79	6.73	7.41	6.45	8.91	6.20	10.30	5.98	11.58	5.78	12.78
	1750	8.64	2.30	8.27	4.41	7.94	6.33	7.63	8.11	7.35	9.75	7.10	11.26	6.88	12.67	6.68	13.98
AMLT-100	850	5.80	1.57	5.19	3.00	4.65	4.31	4.16	5.51	3.74	6.63	3.36	7.66	3.03	8.62	2.74	9.51
	1000	7.06	1.84	6.45	3.53	5.91	5.07	5.42	6.49	5.00	7.80	4.62	9.01	4.29	10.14	4.00	11.19
	1150	8.32	2.12	7.71	4.05	7.17	5.83	6.68	7.46	6.26	8.97	5.88	10.36	5.55	11.66	5.26	12.86
	1300	9.58	2.40	8.97	4.58	8.43	6.59	7.94	8.43	7.52	10.14	7.14	11.71	6.81	13.18	6.52	14.54
	1450	10.84	2.67	10.23	5.11	9.69	7.35	9.20	9.41	8.78	11.31	8.40	13.06	8.07	14.70	7.78	16.22
	1600	12.10	2.95	11.49	5.64	10.95	8.11	10.45	10.38	10.04	12.47	9.66	14.42	9.33	16.22	9.04	17.90
	1750	13.36	3.23	12.75	6.17	12.21	8.87	11.72	11.35	11.30	13.64	10.92	15.77	10.59	17.74	10.30	19.57

AMLT Three Lobe Roots Blower

Pressure Performance Table

Qs: Inlet air flow (m3/min)

La: Blower shaft power (Kw)

Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AMLT-125S	750	8.13	2.05	7.43	3.91	6.80	5.62	6.22	7.20	5.72	8.66	5.25	10.01	4.83	11.26	4.46	12.42
	900	10.02	2.46	9.32	4.70	8.69	6.75	8.11	8.64	7.61	10.39	7.14	12.01	6.72	13.51	6.35	14.91
	1050	11.91	2.86	11.21	5.48	10.58	7.87	10.00	10.08	9.51	12.12	9.03	14.01	8.61	15.76	8.24	17.39
	1200	13.80	3.27	13.10	6.26	12.47	9.00	11.89	11.52	11.39	13.85	10.92	16.01	10.50	18.01	10.13	19.88
	1350	15.69	3.68	14.99	7.04	14.36	10.12	13.78	12.96	13.28	15.58	12.81	18.01	12.39	20.27	12.02	22.36
	1500	17.58	4.09	16.88	7.83	16.25	11.25	15.67	14.40	15.17	17.31	14.70	20.01	14.28	22.52	13.91	24.85
	1650	19.47	4.50	18.77	8.61	18.14	12.37	17.56	15.84	17.06	19.04	16.59	22.01	16.17	24.77	15.80	27.33
AMLT-125	750	10.29	2.59	9.42	4.96	8.62	7.13	7.88	9.12	7.25	10.97	6.66	12.67	6.11	14.26	5.65	15.74
	900	12.69	3.11	11.81	5.95	11.01	8.55	10.28	10.95	9.64	13.16	9.05	15.21	8.51	17.11	8.04	18.89
	1050	15.08	3.63	14.20	6.94	13.41	9.98	12.67	12.77	12.03	15.35	11.44	17.74	10.90	19.97	10.44	22.04
	1200	17.48	4.16	16.60	7.93	15.80	11.40	15.07	14.59	14.43	17.55	13.84	20.28	13.29	22.82	12.83	25.18
	1350	19.87	4.66	18.99	8.92	18.19	12.83	17.46	16.42	16.82	19.74	16.23	22.81	15.69	25.67	15.23	28.33
	1500	22.26	5.18	21.39	9.91	20.59	14.25	19.85	18.24	19.22	21.93	18.63	25.35	18.08	28.52	17.65	31.48
	1650	24.66	5.70	23.78	10.90	22.98	15.68	22.25	20.07	21.61	24.13	21.02	27.88	20.48	31.38	20.01	34.63
AMLT-150	750	13.32	3.34	12.62	6.39	11.98	9.19	11.40	11.76	10.87	14.14	10.39	16.34	10.00	18.39	9.61	20.30
	900	16.40	4.01	15.70	7.67	15.06	11.03	14.49	14.11	13.95	16.97	13.48	19.61	13.09	22.07	12.70	24.36
	1050	19.49	4.68	18.79	8.95	18.15	12.86	17.58	16.47	17.04	19.80	16.57	22.88	16.18	25.75	15.78	28.41
	1200	22.58	5.35	21.88	10.23	21.24	14.70	20.66	18.82	20.13	22.62	19.65	26.15	19.26	29.42	18.87	32.47
	1350	25.66	6.02	24.96	11.50	24.33	16.54	23.75	21.17	23.21	25.45	22.74	29.42	22.35	33.10	21.96	36.53
	1500	28.75	6.68	28.05	12.79	27.41	18.38	26.84	23.52	26.30	28.28	25.83	32.69	25.44	36.78	25.05	40.59
	1650	31.84	7.35	31.14	14.06	30.50	20.21	29.92	25.88	29.39	31.11	28.91	35.95	28.52	40.46	28.13	44.65
AMLT-175	600	17.01	4.84	15.95	9.27	15.04	13.32	14.21	17.06	13.53	20.51	12.93	23.71	12.40	26.68	11.98	29.45
	750	22.68	6.05	21.62	11.58	20.71	16.65	19.88	21.32	19.20	25.64	18.60	29.64	18.07	33.36	17.65	36.82
	900	28.35	7.27	27.29	13.90	26.38	19.98	25.55	25.59	24.87	30.76	24.27	35.57	23.74	40.03	23.32	44.18
	1050	34.02	8.48	32.96	16.22	32.05	23.32	31.22	29.85	30.54	35.89	29.94	41.49	29.41	46.70	28.99	51.55
	1200	39.69	9.69	38.63	18.53	37.72	26.65	36.89	34.12	36.21	41.02	35.61	47.42	35.08	53.37	34.66	58.91
	1350	45.36	10.90	44.30	20.85	43.39	29.98	42.56	38.38	41.88	46.15	41.28	53.35	40.75	60.04	40.33	66.28
	1500	51.03	12.11	49.97	23.17	49.06	33.31	48.23	42.65	47.55	51.28	46.95	59.29	46.42	66.71	46.00	73.64
AMLT-200	600	26.33	7.40	24.91	14.16	23.65	20.35	22.50	26.06	21.45	31.35	20.52	36.23	19.69	40.77	18.98	45.00
	750	34.56	9.25	33.14	17.70	31.87	25.44	30.72	32.58	29.68	39.17	28.75	45.28	27.92	50.96	27.21	56.25
	900	42.80	11.10	41.36	21.24	40.11	30.53	38.95	39.09	37.91	47.01	36.97	54.34	36.16	61.15	35.44	67.50
	1050	51.02	12.95	49.60	24.77	48.34	35.62	47.19	45.61	46.14	54.84	45.21	63.39	44.38	71.34	43.67	78.75
	1200	59.25	14.80	57.83	28.31	56.56	40.71	55.41	52.12	54.37	62.67	53.44	72.45	52.61	81.54	51.90	90.00
	1350	67.48	16.65	66.05	31.85	64.79	45.80	63.64	58.64	62.60	70.51	61.66	81.51	60.84	91.73	60.13	101.20
	1500	75.72	18.50	74.28	35.39	73.03	50.89	71.87	65.16	70.83	78.34	69.89	90.56	69.07	101.90	68.36	112.50

• Please contact us for outline dimension and installation drawing, performance curve and noise curve.

AMLT Three Lobe Roots Blower

Pressure Performance Table

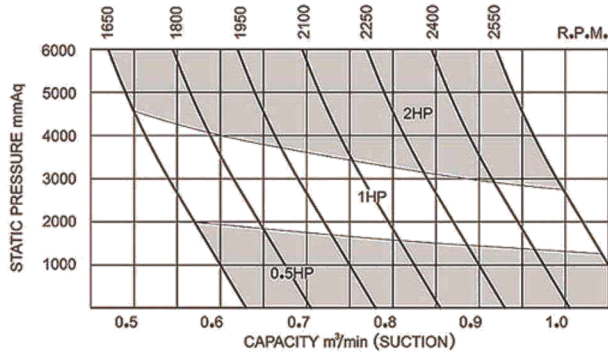
Qs: Inlet air flow (m3/min)

La: Blower shaft power (Kw)

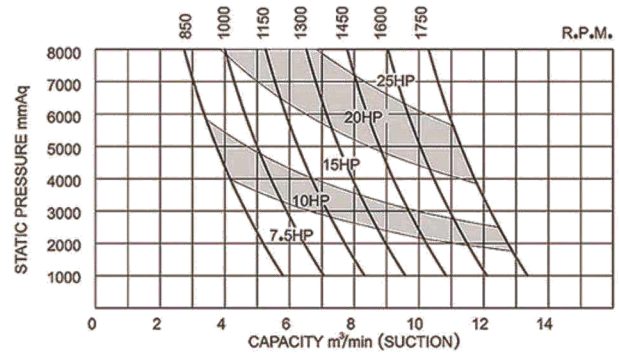
Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AMLT-250	600	27.72	7.40	26.22	14.16	24.89	20.35	23.68	26.06	22.58	31.35	21.60	36.23	20.73	40.77	19.98	45.00
	750	36.38	9.25	34.88	17.70	33.55	25.44	32.34	32.58	31.24	39.17	30.26	45.28	29.39	50.96	28.64	56.25
	900	45.05	11.10	43.54	21.24	42.22	30.53	41.00	39.09	39.91	47.01	38.92	54.34	38.06	61.15	37.31	67.50
	1050	53.71	12.95	52.21	24.77	50.88	35.62	49.67	45.61	48.57	54.84	47.59	63.39	46.72	71.34	45.97	78.75
	1200	62.37	14.80	60.87	28.31	59.54	40.71	58.33	52.12	57.23	62.67	56.25	72.45	55.38	81.54	54.63	90.00
	1350	71.03	16.65	69.53	31.85	68.20	45.80	66.99	58.64	65.89	70.51	64.91	81.51	64.04	91.73	63.29	101.20
	1500	79.70	18.50	78.19	35.39	76.87	50.89	75.65	65.16	74.56	78.34	73.57	90.56	72.71	101.90	71.96	112.50
AMLT-250A	600	39.45	10.36	37.54	18.02	35.93	25.92	34.56	33.71	33.34	41.48	32.19	49.20	31.19	56.80	30.35	64.30
	750	50.92	12.95	49.00	22.52	47.40	32.40	46.02	42.14	44.80	51.85	43.65	61.50	42.66	71.00	41.82	80.40
	900	62.38	15.53	60.47	27.03	58.87	38.88	57.49	50.57	56.27	62.22	55.12	73.80	54.13	85.20	53.29	96.50
	1050	73.85	18.12	71.94	31.53	70.33	45.36	68.96	58.99	67.73	72.59	66.59	86.10	65.59	99.40	64.75	112.60
	1200	85.32	20.71	83.41	36.04	81.80	51.84	80.43	67.42	79.20	82.96	78.06	98.39	77.06	113.60	76.22	128.70
	1350	96.79	23.30	94.87	40.54	93.28	58.32	91.89	75.85	90.67	93.33	89.52	110.70	88.53	127.80	87.69	144.70
	1500	108.30	25.89	106.30	45.05	104.70	64.80	103.40	84.28	102.10	103.70	101.00	123.00	100.00	142.00	99.16	160.80
AMLT-300	600	58.94	14.44	55.49	25.88	53.71	37.23	52.04	47.70	50.48	58.83	49.26	68.88	47.59	79.49	46.70	88.83
	750	75.62	18.06	72.17	32.35	70.39	46.54	68.72	59.63	67.16	73.53	65.94	86.10	64.27	99.36	63.38	111.00
	900	92.30	21.67	88.85	38.82	87.07	55.85	85.40	71.55	83.84	88.24	82.62	103.30	80.95	119.20	80.06	133.30
	1050	109.00	25.28	105.50	45.29	103.70	65.16	102.10	83.48	100.50	102.90	99.30	120.50	97.63	139.10	96.74	155.50
	1200	125.70	28.89	122.20	51.76	120.40	74.46	118.80	95.41	117.20	117.70	116.00	137.80	114.30	159.00	113.40	177.70
	1350	142.30	32.50	138.90	58.23	137.10	83.77	135.40	107.30	133.90	132.40	132.70	155.00	131.00	178.80	130.10	199.90
	1500	159.00	36.11	155.60	64.70	153.80	93.08	152.10	119.30	150.60	147.10	149.30	172.20	147.70	198.70	146.80	222.10
AMLT-300A	600	88.30	21.07	85.00	37.30	82.30	53.64	80.00	71.40	78.10	87.00	76.10	103.10	74.50	119.00	72.50	136.50
	700	104.70	24.58	101.40	43.52	98.70	62.58	96.40	83.30	94.50	101.50	92.50	120.30	90.90	138.90	88.90	159.30
	800	121.10	28.10	117.80	49.74	115.10	71.52	112.80	95.20	110.90	116.00	108.90	137.50	107.30	158.70	105.30	182.10
	900	137.50	31.61	134.20	55.95	131.50	80.46	129.20	107.10	127.30	130.50	125.30	154.70	123.70	178.60	121.70	204.80
	1000	153.90	35.12	150.60	62.17	147.90	89.39	145.60	119.00	143.70	145.00	141.70	171.90	140.10	198.40	138.10	227.60
	1100	170.30	38.63	167.00	68.39	164.30	98.33	162.00	130.90	160.10	159.50	158.10	189.10	156.50	218.20	154.50	250.30
	1200	186.70	42.15	183.40	74.60	180.70	107.30	178.40	142.80	176.50	174.00	174.50	206.30	172.90	238.10	170.90	273.10
AMLT-350	600	138.30	32.31	133.10	58.00	129.00	83.48	125.20	109.60	121.90	134.10	119.10	160.30	116.30	182.70	113.50	212.30
	700	163.80	37.70	158.60	67.67	154.50	97.39	150.70	127.90	147.40	156.40	144.60	187.10	141.80	213.20	139.00	247.70
	800	189.30	43.08	184.10	77.33	180.00	111.30	176.20	146.20	172.90	178.80	170.10	213.80	167.30	243.20	164.50	283.10
	900	214.80	48.47	209.60	87.00	205.50	125.20	201.70	164.50	198.40	201.10	195.60	240.50	192.80	274.10	190.00	318.50
	1000	240.30	53.85	235.10	96.67	231.00	139.10	227.20	182.70	223.90	223.40	221.10	267.20	218.30	304.60	215.50	353.90
	1100	265.80	59.24	260.60	106.30	256.50	153.00	252.70	201.00	249.40	245.80	246.60	294.00	243.80	335.00	241.00	389.20
	1200	291.30	64.62	286.10	116.00	282.00	167.00	278.20	219.30	274.90	268.10	272.10	320.70	269.30	365.50	266.50	424.60
AMLT-400	600	236.30	53.28	230.30	95.65	225.50	137.70	221.30	180.80	217.60	221.10	214.10	264.40	211.30	301.40	208.80	350.10
	650	257.50	57.73	251.40	103.60	246.50	149.10	242.30	195.90	238.60	239.50	235.20	286.50	232.30	326.50	229.80	379.30
	700	278.40	62.17	272.40	111.60	267.50	160.60	263.30	210.90	259.60	257.90	256.20	308.50	253.40	351.60	250.80	408.50
	750	299.40	66.61	293.40	119.60	288.60	172.10	284.40	226.00	280.70	276.40	277.20	330.50	274.40	376.70	271.90	437.70
	800	320.40	71.05	314.40	127.50	309.60	183.60	305.40	241.10	301.70	294.80	298.20	352.60	295.40	401.80	292.90	466.80
	850	341.50	75.49	335.50	135.50	330.60	195.00	326.40	256.10	322.70	313.20	319.30	374.60	316.40	426.90	313.90	496.00
	900	362.50	79.93	356.50	143.50	351.60	206.50	347.40	271.20	343.70	331.60	340.30	396.70	337.50	452.00	335.00	525.50

Pressure Performance Curve

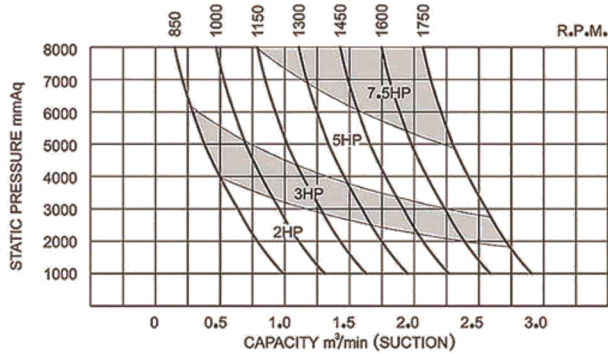
AMLT-040



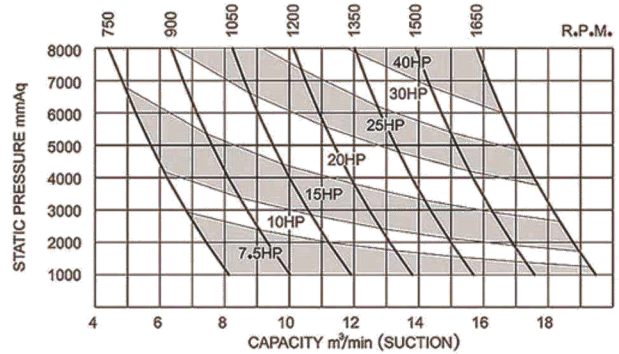
AMLT-100



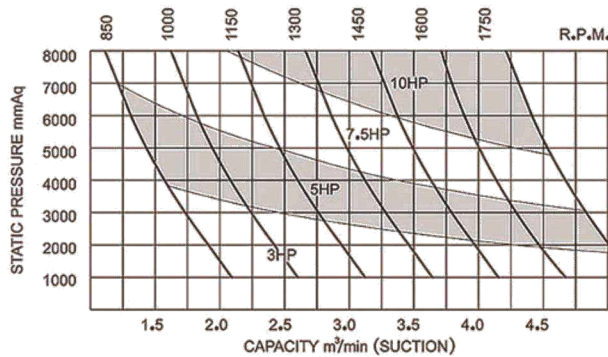
AMLT-050



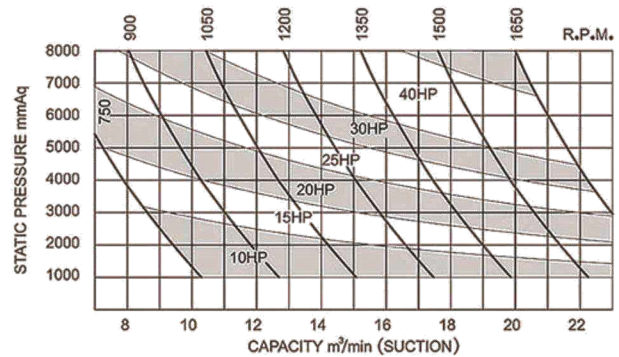
AMLT-125S



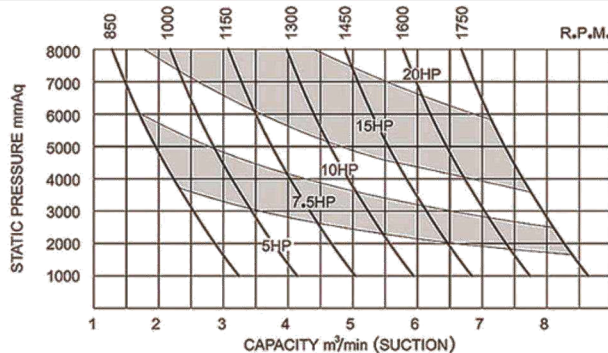
AMLT-065



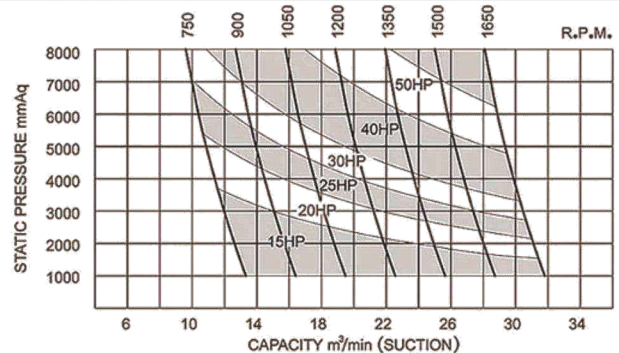
AMLT-125



AMLT-080

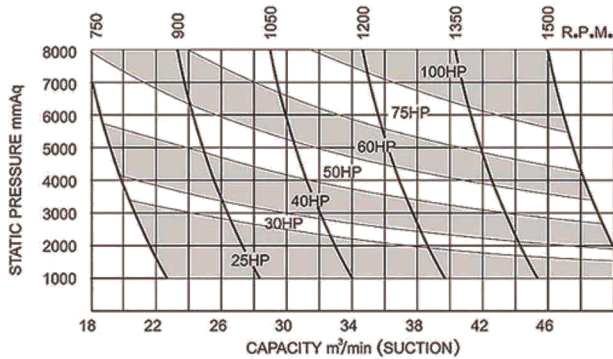


AMLT-150

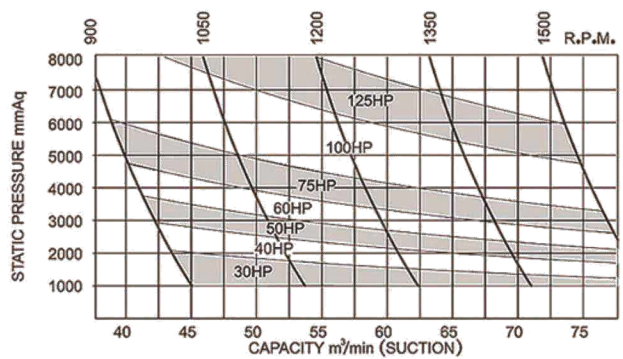


Pressure Performance Curve

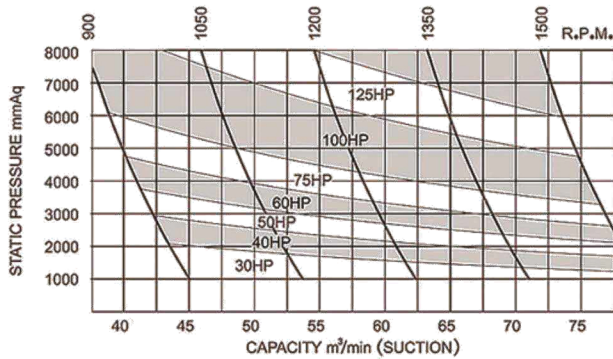
AMLT-175



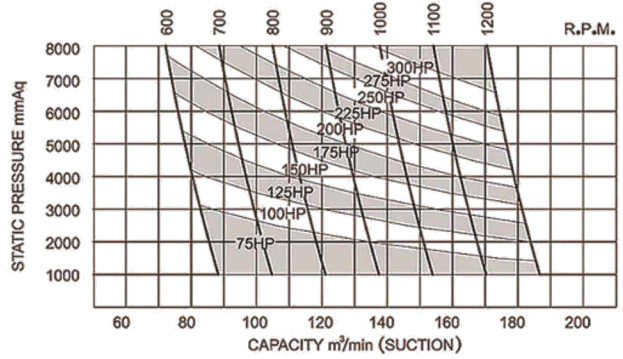
AMLT-200



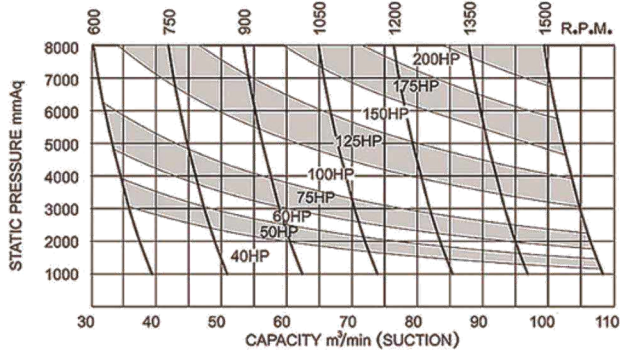
AMLT-250



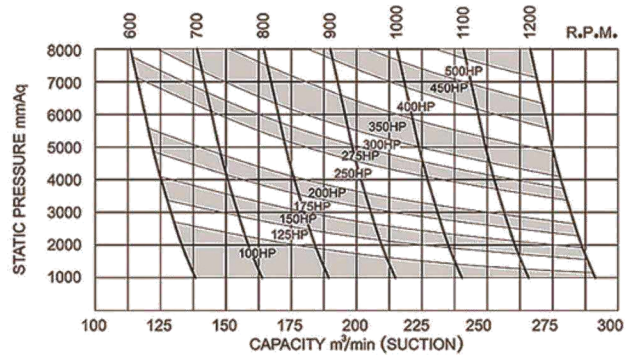
AMLT-300A



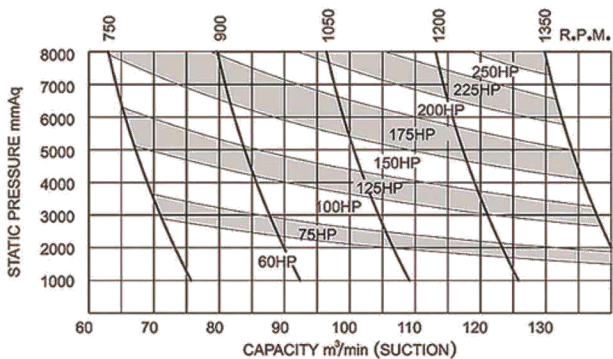
AMLT-250A



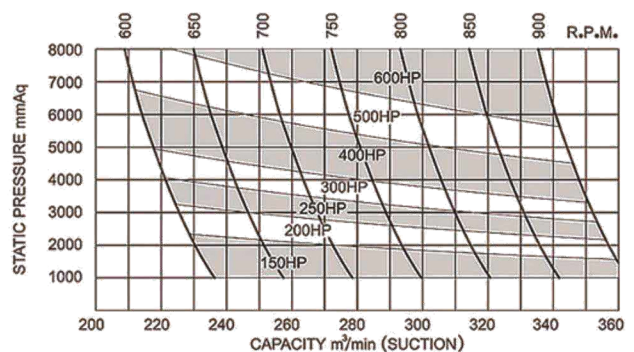
AMLT-350



AMLT-300



AMLT-400



AirMMax Combo Service



Giant-AeroTube



SS314 frame



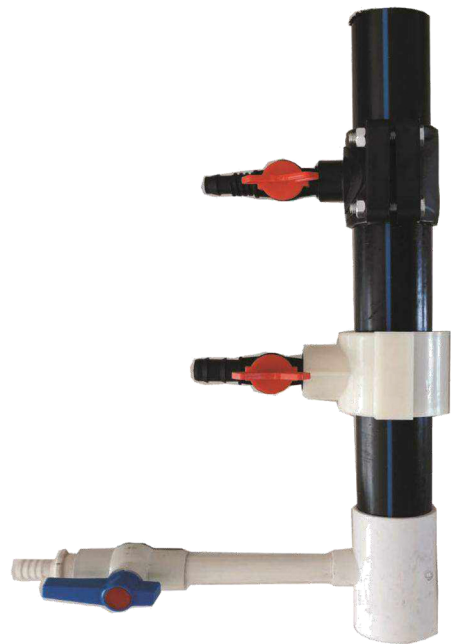
Disc diffuser



sinker hose



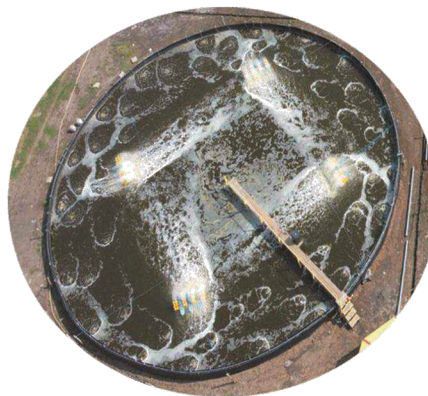
air hose



AeroTube connector



HDPE liner

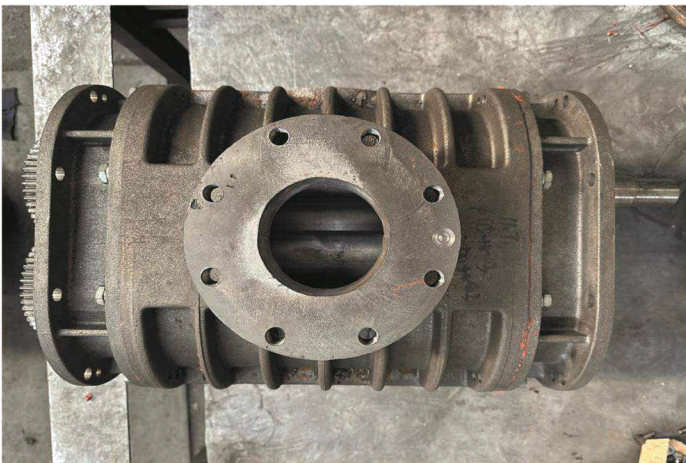


round tank



connector







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