

AirMMax

AMLT+ Three Lobe Roots Blower

www.AirMMaxBlower.com



Qingdao AirMMax Aeration Equipment Co., Ltd

ABOUT US

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.



ROOTS BLOWER

AirMMax roots blower is three lobe type roots blower with pressure reaching up to 150kpa in single stage roots blower and pressure reaching up to 200kpa in double stage roots blower, air capacity reach up to 30000m³/hour.



STAINLESS STEEL BLOWER

AirMMax stainless steel blower is SS304, SS316L and 2205 material, we cooperate qualified stainless steel foundry factory and machined by professional stainless steel CNC machine.



BIOGAS BLOWER

AirMMax biogas blower is specially designed and developed to boost biogas in biogas plant in the palm oil mill effluent (POME) treatment system.



TURBO BLOWER

AirMMax has both air bearing turbo blower and magnetic bearing turbo blower.



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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

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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-200	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-200A	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

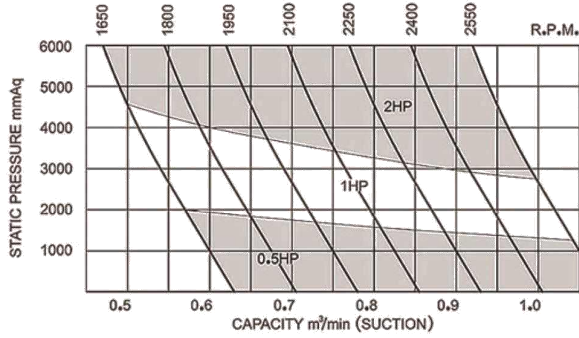
Qs: Inlet air flow (m3/min)

La: Blower shaft power (Kw)

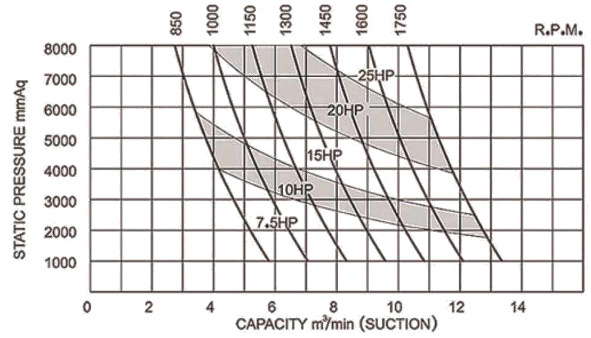
Model	RPM	Pressure															
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
AMLT-250	600	27.72	7.40	26.22	14.16	24.89	20.35	23.68	26.06	22.58	31.35	21.60	36.23	20.73	40.77	19.98	45.00
	750	36.38	9.25	34.88	17.70	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

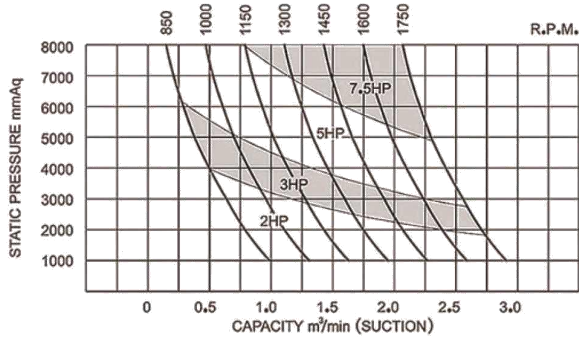
AMLT-040



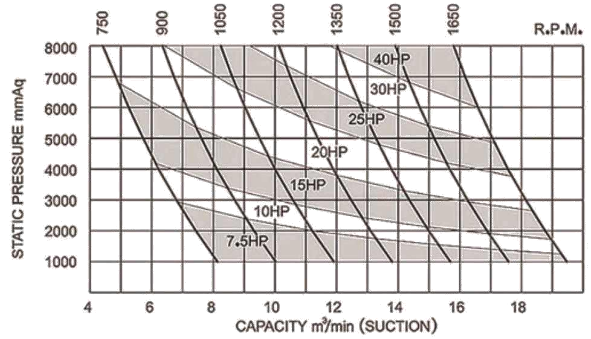
AMLT-100



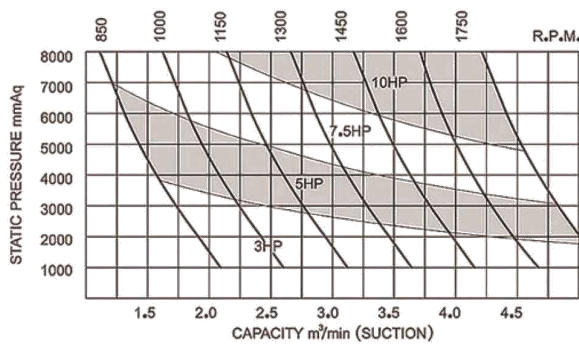
AMLT-050



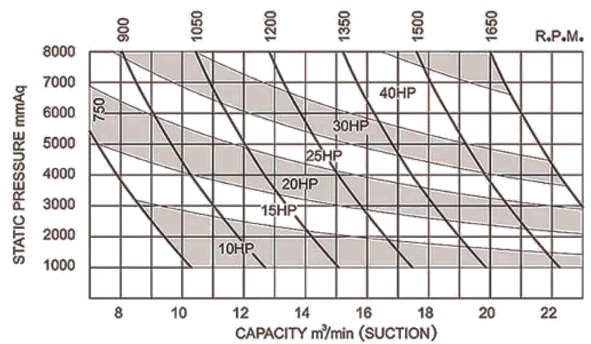
AMLT-125S



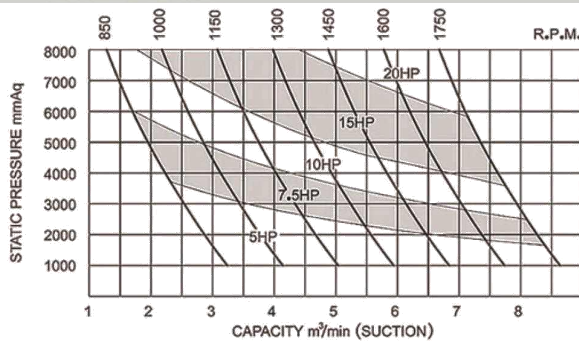
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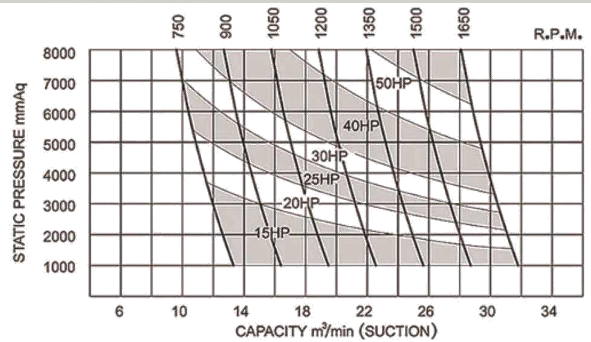
AMLT-125



AMLT-080

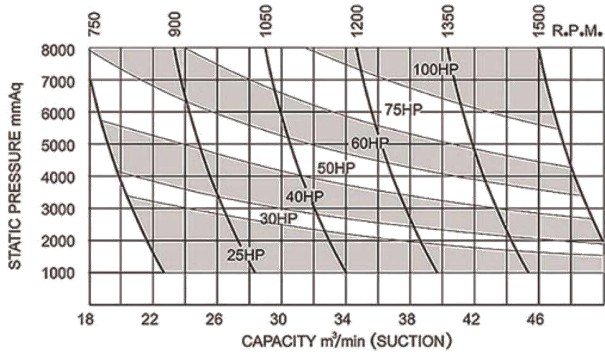


AMLT-150

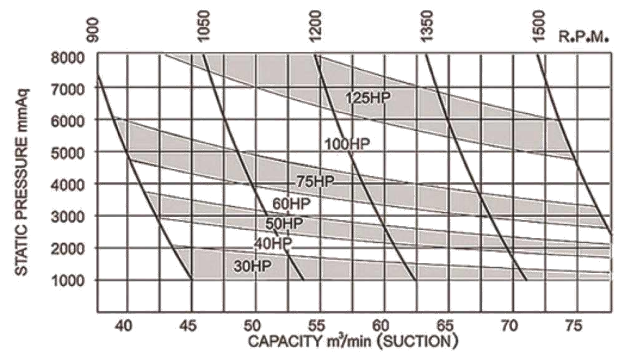


Pressure Performance Curve

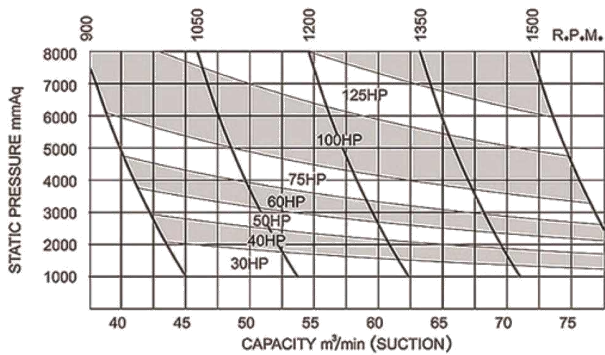
AMLT-200



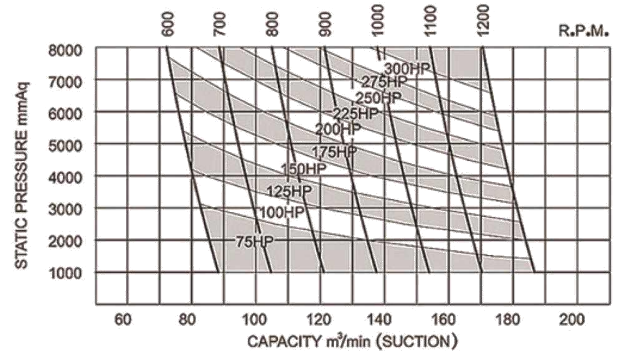
AMLT-200A



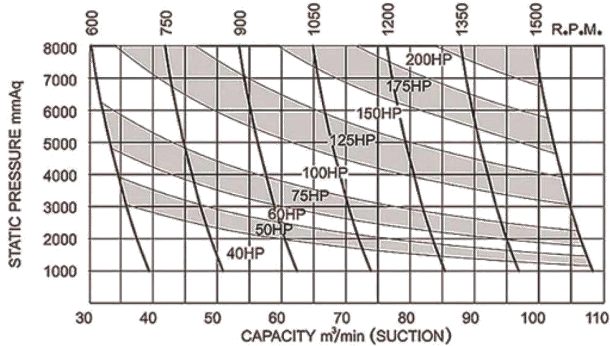
AMLT-250



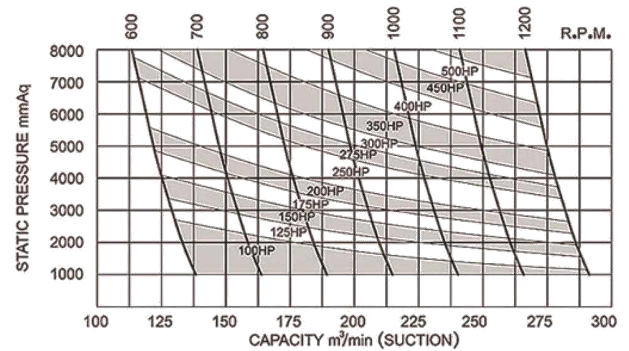
AMLT-300A



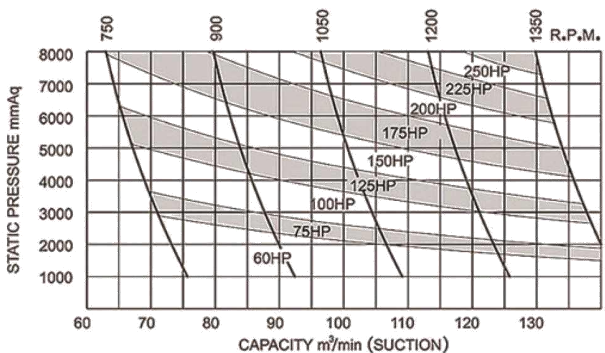
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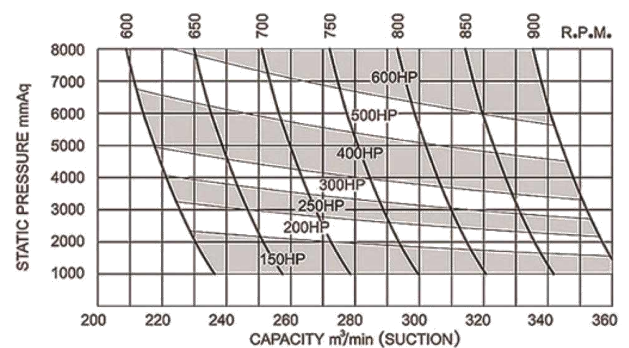
AMLT-350



AMLT-300



AMLT-400



Application-Aquaculture



Application-Water Treatment



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