

龙铁罗茨®
LONGTEY

龙铁鼓风机（上海）有限公司
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龙铁罗茨®
LONGTEY



龙铁罗茨鼓风机 龙铁罗茨真空泵 龙铁罗茨高压鼓风机
龙铁罗茨中压风机 龙铁罗茨水鼓风机 龙铁罗茨多级鼓风机等各种鼓风机

龙铁鼓风机（上海）有限公司
LONGTEY BLOWER (SHANGHAI) CO., LTD.

COMPANY PROFILE 公司简介

龙铁鼓风机（上海）有限公司专业生产销售：鲁氏鼓风机（又称罗茨鼓风机）、沉水式鼓风机。风机产品规格齐全，库存充足！

公司技术力量雄厚，设计手段先进，加工设备精良，检测设备齐全，并拥有一大批高素质的专家队伍及生产技术人员，具有强大的技术开发能力和完善的质量监控体系，并建立了完善的销售及售后服务管理体系。公司产品采用国外先进技术，自行研发高品质、低噪音的节能环保产品。产品具有结构合理、效率高、重量轻、噪音低、高效节能、运转平稳、使用寿命长、维修方便等特点。

我司风机吸取了德国一流的罗茨风机设计经验，并根据中国行业的特点加以改良，叶轮端面、风机前后端盖及风机叶轮之间始终保持微小间隙，在同步齿轮带动下，风从风机进风口沿壳体内壁输送到排出的一侧，风机内腔不需要润滑油，精度高，体积小，重量轻，高效节能10%，寿命长达15年，广泛应用于污水处理、气力输送、真空包装、电力化工、食品、建材等环保行业和部门。公司拥有TQ611B镗床、数控刨床，精密车床等加工设备，以严格的管理和坚实的质量为指导方针，坚持让客户满意的经营宗旨，服务于广大客户。公司顺利的通过了ISO9001：2000质量管理体系认证，产品和服务远销全国各地及东南亚，深受客户好评，龙铁已成为高效率、高品质的代表。

我们的产品借力网络，先后为五月花纸业、格力空调、樱花卫厨、富士康集团等200余家大型企业提供了各种优质的风机及专业选型、安装等服务，产品足迹遍及全国200多个地州市，连续10年全国销量第一，成为了国内领先的鲁氏鼓风机制造商。在建立遍布全国30多个省、市、地区销售网络的同时，也建立起相应的售后服务网络，最大限度解决了客户对产品质量、技术咨询、售后服务等相关问题。

我公司坚持以技术创新求生存、以客户满意为目的的经营理念，用心做事、用情做人的经营宗旨。持续追求卓越、奉献社会，立足于环保行业、致力风机行业的制造、革新，提高风机综合性能。欢迎广大新老客户咨询选购！

Why You Select LONGTEY New Three Lobes Roots Blower?

为什么要选择龙铁三叶鲁氏鼓风机？

高品质 低噪音三叶鲁氏鼓风机

特长

风量、压力、真空度范围广

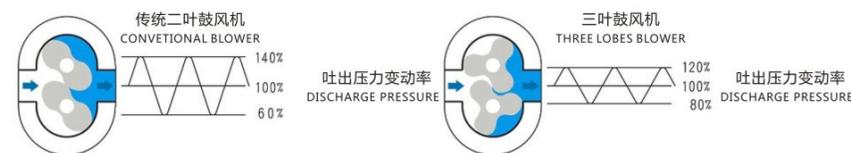
1 口径：40A~400A (1.5"~16")

2 风量：0.5~360m³/min

3 压力：0~8000mmAq

4 真空度：-5000mmAq

- 风量稳定，压力变化小
- 排出气体洁净，不含油污
- 构造简单、保养维修容易。
- 轴承为机油润滑、散热佳、寿命长。



■ 较低的能源损耗

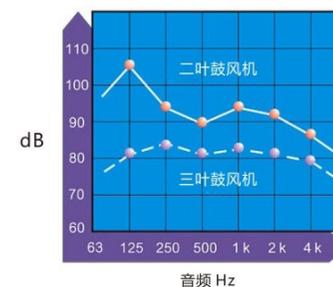
三叶式的设计能减少逆流对转子的压力，相对地也减少能源的损耗。

■ 较低的噪音

压力脉冲是主要的噪音源，三叶式鼓风机能有效降低噪音达5dB。

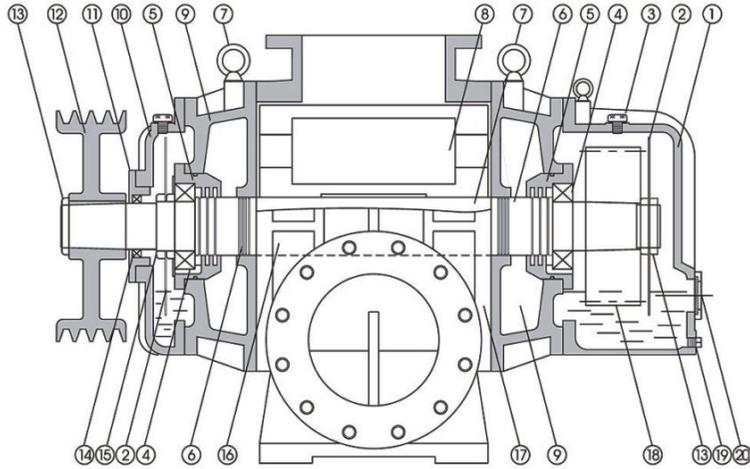
■ 轴承寿命延长

由于叶轮传递的振动减少，得以延长轴承寿命达20%。



传统二叶氏鼓风机压力震幅大，造成震动及噪音缩短轴承、齿轮及其他传动元件的寿命。

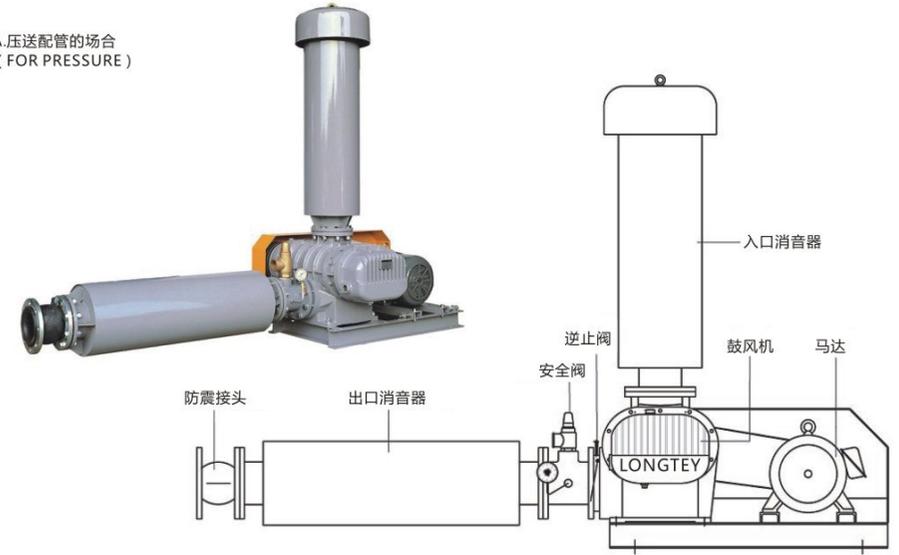
构造图&材质表
STRUCTURE&MATERIAL LIST



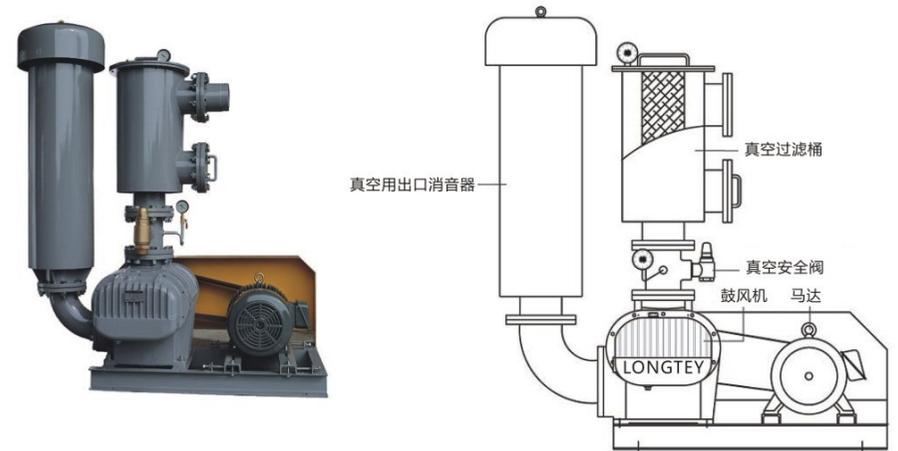
NO.	NAME	MATERIAL	NO.	NAME	MATERIAL
1	Gear case 齿轮箱	FC250	11	Seal case 油封座	FC250
2	Oil splash 甩油片	SS400	12	Pulley 皮带轮	FC250
3	Oil plug 加油塞	S45C	13	Nut 螺帽	SS400
4	Bearing 轴承	SUJ2	14	Seal 油封	NBR
5	Bearing case 轴承座	FC250	15	Nut 螺帽	SS400
6	Labyrinth seal 轴封	SS400	16	Shaft 主轴	SCM440
7	Eye bolt 吊环	S45C	17	Main casing 主体	FC250
8	Rotor 叶轮	FC250	18	Timing gear 正齿轮	SCM415
9	Side cover 侧盖	FC250	19	Oil drain 洩油塞	S45C
10	Oil case 油箱	FC250	20	Oil gauge 油镜	S45C

安装图
INSTALLATIONS

A. 压送配管的场合
(FOR PRESSURE)



B. 真空配管的场合
(FOR VACUUM)



LT型性能表 (压送式)
LT TYPE PERFORMANCE TABLE(FOR PRESSURE)

TYPE	RPM	Qs(m³/min)				PRESSURE(mmAq)								La(Kw)			
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LT-040	1650	0.60	0.19	0.57	0.37	0.54	0.53	0.51	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				
LT-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	2.31	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
LT-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
LT-080	850	3.24	1.12	2.87	2.14	2.54	3.08	2.23	3.94	1.95	4.73	1.70	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
LT-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	10.46	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
LT-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	9.50	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

LT型性能表 (压送式)
LT TYPE PERFORMANCE TABLE(FOR PRESSURE)

TYPE	RPM	QS(m³/min)				PRESSURE(mmAq)								La(Kw)			
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LT-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	4.15	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	17.62	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
LT-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	12.78	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	35.96	28.52	40.46	28.13	44.65
LT-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	30.77	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	35.91	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	66.27
	1500	51.03	12.11	49.97	23.17	49.06	33.31	48.23	42.65	47.55	51.28	46.95	59.28	46.42	66.71	46.00	73.64
LT-200A	600	27.72	7.40	26.22	14.16	24.89	20.35	23.68	26.06	22.58	31.34	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	101.2
	1500	79.70	18.50	78.1													

LT型性能表 (压送式)

LT TYPE PERFORMANCE TABLE(FOR PRESSURE)

TYPE	RPM	Qs(m³/min)				PRESSURE(mmAq)								La(Kw)			
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq		7000mmAq		8000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LT-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	111.0
	900	92.30	21.67	88.85	38.82	87.07	55.85	85.40	71.55	83.84	88.24	82.62	103.3	80.95	119.2	80.06	133.3
	1050	109.0	25.28	105.5	45.29	103.7	65.16	102.1	83.48	100.5	102.9	99.30	120.5	97.63	139.1	96.74	155.5
	1200	125.7	28.89	122.2	51.76	120.4	74.46	118.8	95.41	117.2	117.7	116.0	137.8	114.3	159.0	113.4	177.7
	1350	142.3	32.50	138.9	58.23	137.1	83.77	135.4	107.3	133.9	132.4	132.7	155.0	131.0	178.8	130.1	199.9
	1500	159.0	36.11	155.6	64.70	153.8	93.08	152.1	119.3	150.6	147.1	149.3	172.2	147.7	198.7	146.8	222.1
	600	88.3	21.07	85.0	37.30	82.3	53.64	80.0	71.4	78.1	87.0	76.1	103.1	74.5	119.0	72.5	136.5
700	104.7	24.58	101.4	43.52	98.7	62.58	96.4	83.3	94.5	101.5	92.5	120.3	90.9	138.9	88.9	159.3	
800	121.1	28.10	117.8	49.74	115.1	71.52	112.8	95.2	110.9	116.0	108.9	137.5	107.3	158.7	105.3	182.1	
900	137.5	31.61	134.2	55.95	131.5	80.46	129.2	107.1	127.3	130.5	125.3	154.7	123.7	178.6	121.7	204.8	
1000	153.9	35.12	150.6	62.17	147.9	89.39	145.6	119.0	143.7	145.0	141.7	171.9	140.1	198.4	138.1	227.6	
1100	170.3	38.63	167.0	68.39	164.3	98.33	162.0	130.9	160.1	159.5	158.1	189.1	156.5	218.2	154.5	250.3	
1200	186.7	42.15	183.4	74.60	180.7	107.3	178.4	142.8	176.5	174.0	174.5	206.3	172.9	238.1	170.9	273.1	
600	138.3	32.31	133.1	58.00	129.0	83.48	125.2	109.6	121.9	134.1	119.1	160.3	116.3	182.7	113.5	212.3	
700	163.8	37.70	158.6	67.67	154.5	97.39	150.7	127.9	147.4	156.4	144.6	187.1	141.8	213.2	139.0	247.7	
800	189.3	43.08	184.1	77.33	180.0	111.3	176.2	146.2	172.9	178.8	170.1	213.8	167.3	243.7	164.5	283.1	
900	214.8	48.47	209.6	87.00	205.5	125.2	201.7	164.5	198.4	201.1	195.6	240.5	192.8	274.1	190.0	318.5	
1000	240.3	53.85	235.1	96.67	231.0	139.1	227.2	182.7	223.9	223.4	221.1	267.2	218.3	304.6	215.5	353.9	
1100	265.8	59.24	260.6	106.3	256.5	153.0	252.7	201.0	249.4	245.8	246.6	294.0	243.8	335.0	241.0	389.2	
1200	291.3	64.62	286.1	116.0	282.0	167.0	278.2	219.3	274.9	268.1	272.1	320.7	269.3	365.5	266.5	424.6	
600	236.3	53.28	230.3	95.65	225.5	137.7	221.3	180.8	217.6	221.1	214.1	264.4	211.3	301.4	208.8	350.1	
650	257.4	57.73	251.4	103.6	246.5	149.1	242.3	195.9	238.6	239.5	235.2	286.5	232.3	326.5	229.8	379.3	
700	278.4	62.17	272.4	111.6	267.5	160.6	263.3	210.9	259.6	257.9	256.2	308.5	253.4	351.6	250.8	408.5	
750	299.4	66.61	293.4	119.6	288.6	172.1	284.4	226.0	280.7	276.4	277.2	330.5	274.4	376.7	271.9	437.7	
800	320.4	71.05	314.4	127.5	309.6	183.6	305.4	241.1	301.7	294.8	298.2	352.6	295.4	401.8	292.9	466.8	
850	341.5	75.49	335.5	135.5	330.6	195.0	326.4	256.1	322.7	313.2	319.3	374.6	316.4	426.9	313.9	496.0	
900	362.5	79.93	356.5	143.5	351.6	206.5	347.4	271.2	343.7	331.6	340.3	396.7	337.5	452.0	335.0	525.2	

LTV型性能表 (真空用)

LTV TYPE PERFORMANCE TABLE(FOR VACUUM)

TYPE	RPM	Qs(m³/min)				PRESSURE(mmAq)								La(Kw)			
		-1000mmAq		-2000mmAq		-2500mmAq		-3000mmAq		-3500mmAq		-4000mmAq		-4500mmAq		-5000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LTV-040	1650	0.60	0.19	0.58	0.37	0.55	0.44	0.51	0.50	0.50	0.56	0.48	0.62				
	1800	0.68	0.21	0.65	0.40	0.62	0.48	0.59	0.55	0.58	0.61	0.55	0.67				
	1950	0.75	0.23	0.72	0.43	0.70	0.51	0.66	0.59	0.65	0.67	0.62	0.73				
	2100	0.83	0.24	0.80	0.47	0.77	0.55	0.74	0.64	0.72	0.72	0.70	0.79				
	2250	0.90	0.26	0.87	0.50	0.85	0.59	0.81	0.69	0.80	0.77	0.77	0.84				
	2400	0.97	0.28	0.95	0.53	0.92	0.63	0.88	0.73	0.87	0.82	0.85	0.90				
	2550	1.05	0.30	1.02	0.57	0.99	0.67	0.96	0.78	0.95	0.87	0.92	0.95				
	850	0.99	0.41	0.82	0.80	0.72	0.98	0.61	1.16	0.51	1.34	0.36	1.51	0.27	1.67	0.14	1.84
1000	1.31	0.48	1.14	0.94	1.04	1.16	0.93	1.37	0.83	1.57	0.69	1.77	0.59	1.97	0.46	2.16	
1150	1.63	0.56	1.47	1.08	1.36	1.33	1.25	1.57	1.15	1.81	1.01	2.04	0.91	2.27	0.79	2.49	
1300	1.95	0.63	1.79	1.22	1.69	1.50	1.58	1.78	1.48	2.05	1.33	2.31	1.24	2.56	1.11	2.81	
1450	2.27	0.70	2.11	1.36	2.01	1.68	1.90	1.98	1.80	2.28	1.65	2.57	1.56	2.86	1.43	3.13	
1600	2.60	0.77	2.43	1.50	2.33	1.85	2.22	2.19	2.12	2.52	1.97	2.84	1.88	3.15	1.75	3.46	
1750	2.92	0.85	2.75	1.64	2.65	2.02	2.54	2.39	2.44	2.75	2.29	3.11	2.20	3.45	2.07	3.78	
850	2.09	0.66	1.91	1.28	1.80	1.58	1.68	1.87	1.55	2.15	1.41	2.42	1.26	2.69	1.09	2.95	
1000	2.60	0.78	2.43	1.51	2.32	1.86	2.19	2.20	2.07	2.53	1.92	2.85	1.77	3.16	1.60	3.47	
1150	3.12	0.89	2.95	1.73	2.84	2.14	2.71	2.53	2.58	2.91	2.44	3.28	2.29	3.64	2.12	3.99	
1300	3.64	1.01	3.46	1.96	3.35	2.41	3.23	2.86	3.10	3.29	2.96	3.71	2.81	4.11	2.64	4.51	
1450	4.15	1.13	3.98	2.19	3.87	2.69	3.74	3.19	3.62	3.67	3.47	4.13	3.32	4.59	3.15	5.03	
1600	4.67	1.24	4.50	2.41	4.39	2.97	4.26	3.52	4.13	4.05	3.99	4.56	3.84	5.06	3.67	5.55	
1750	5.19	1.36	5.01	2.64	4.90	3.25	4.78	3.85	4.65	4.42	4.51	4.99	4.36	5.54	4.19	6.08	
850	3.24	1.12	2.83	2.14	2.60	2.62	2.36	3.08	2.10	3.52	1.83	3.94	1.54	4.34	1.23	4.73	
1000	4.14	1.32	3.73	2.52	3.50	3.08	3.26	3.62	3.00	4.14	2.73	4.63	2.44	5.11	2.13	5.57	
1150	5.04	1.51	4.63	2.90	4.40	3.54	4.16	4.16	3.90	4.76	3.63	5.33	3.34	5.88	3.03	6.40	
1300	5.94	1.71	5.53	3.27	5.30	4.01	5.06	4.71	4.80	5.38	4.53	6.02	4.24	6.64	3.93	7.24	
1450	6.84	1.91	6.43	3.65	6.20	4.47	5.96	5.25	5.70	6.00	5.43	6.72	5.14	7.41	4.83	8.08	
1600	7.74	2.11	7.33	4.03	7.10	4.93	6.86	5.79	6.60	6.62	6.33	7.41	6.04	8.18	5.73	8.91	
1750	8.64	2.30	8.23	4.41	8.00	5.39	7.76	6.33	7.50	7.24	7.23	8.11	6.94	8.94	6.63	9.75	
850	5.79	1.57	5.19	3.00	4.85	3.67	4.48	4.31	4.09	4.92	3.67	5.51	3.22	6.08	2.74	6.63	
1000	7.05	1.84	6.45	3.53	6.11	4.31	5.74	5.07	5.35	5.79	4.93	6.49	4.48	7.15	4.00	7.80	
1150	8.31	2.12	7.71	4.05	7.37	4.96	7.00	5.83	6.61	6.66	6.19	7.46	5.74	8.23	5.26	8.97	
1300	9.57	2.40	8.97	4.58	8.63	5.61	8.26	6.59	7.87	7.53	7.45	8.43	7.00	9.30	6.52	10.14	
1450	10.83	2.67	10.23	5.11	9.89	6.25	9.52	7.35	9.13	8.40	8.71	9.41	8.26	10.37	7.78	11.31	
1600	12.09	2.95	11.49	5.64	11.15	6.90	10.78	8.11	10.39	9.27	9.97	10.38	9.52	11.45	9.04	12.47	
1750	13.35	3.23	12.75	6.17	12.41	7.55	12.04	8.87	11.65	10.14	11.23	11.35	10.78	12.52	10.30	13.64	
750	8.13	2.05	7.35	3.91	6.93	4.79	6.48	5.63	6.01	6.43	5.53	7.20	5.00	7.94	4.46	8.66	
900	10.02	2.46	9.24	4.70	8.82	5.75	8.37	6.75	7.90	7.72	7.42	8.64	6.89	9.53	6.35	10.39	
1050	11.91	2.86	11.13	5.48	10.71	6.70	10.26	7.88	9.79	9.00	9.31	10.08	8.78	11.12	8.24	12.12	
1200	13.80	3.27	13.02	6.26	12.60	7.66	12.15	9.00	11.68	10.29	11.20	11.52	10.67	12.71	10.13	13.85	
1350	15.69	3.68	14.91	7.04	14.49	8.62	14.04	10.13	13.57	11.57	13.09	12.96	12.56	14.30	12.02	15.59	
1500	17.58	4.09	16.80	7.83	16.38	9.58	15.93	11.25	15.46	12.86	14.98	14.40	14.45	15.89	13.91	17.32	
1650	19.47	4.50	18.69	8.61	18.27	10.53											

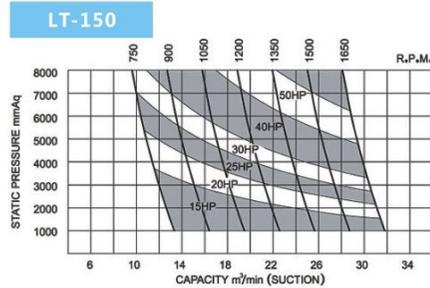
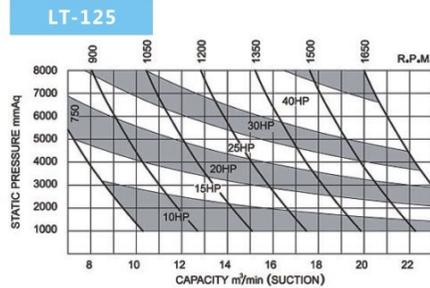
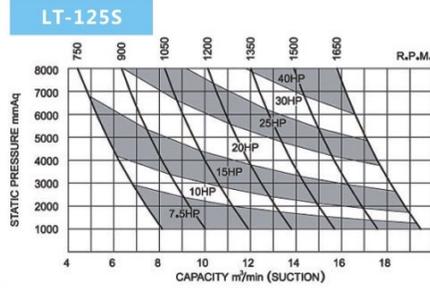
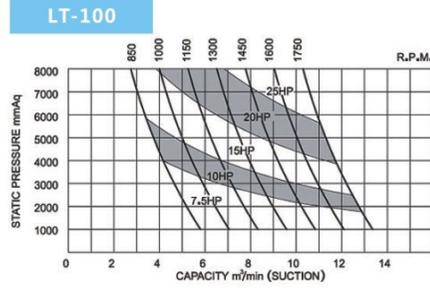
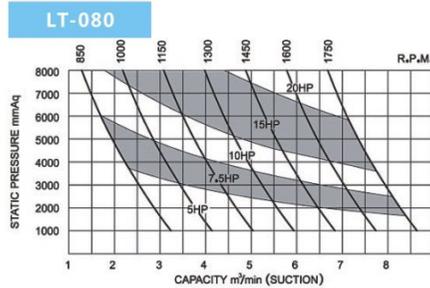
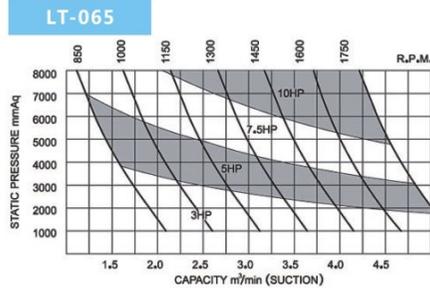
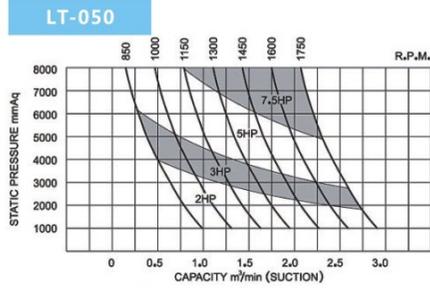
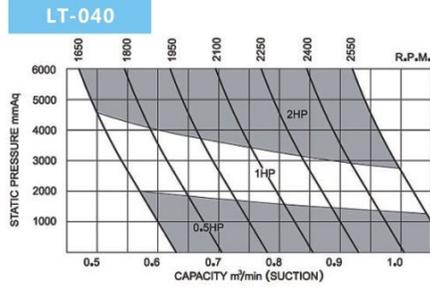
LTV型性能表 (真空用)
LTV TYPE PERFORMANCE TABLE(FOR VACUUM)

TYPE	RPM	Qs(m³/min)						PRESSURE(mmAq)						La(Kw)					
		-1000mmAq		-2000mmAq		-2500mmAq		-3000mmAq		-3500mmAq		-4000mmAq		-4500mmAq		-5000mmAq			
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
LTV-125	750	10.29	2.59	9.30	4.96	8.78	6.06	8.20	7.13	7.61	8.14	7.01	9.12	6.34	10.06	5.65	10.97		
	900	12.69	3.11	11.70	5.95	11.17	7.28	10.60	8.55	10.01	9.77	9.40	10.95	8.73	12.07	8.04	13.16		
	1050	15.08	3.63	14.09	6.94	13.57	8.49	12.99	9.98	12.40	11.40	11.79	12.77	11.12	14.09	10.44	15.35		
	1200	17.48	4.15	16.49	7.93	15.96	9.70	15.39	11.40	14.79	13.03	14.19	14.59	13.52	16.10	12.83	17.55		
	1350	19.87	4.66	18.88	8.92	18.35	10.92	17.78	12.83	17.19	14.66	16.58	16.42	15.91	18.11	15.23	19.74		
	1500	22.26	5.18	21.27	9.91	20.75	12.13	20.17	14.25	19.58	16.29	18.98	18.24	18.31	20.12	17.62	21.93		
	1650	24.66	5.70	23.67	10.90	23.14	13.34	22.57	15.68	21.98	17.92	21.37	20.07	20.70	22.14	20.01	24.13		
LTV-150	750	13.32	3.34	12.55	6.39	12.14	7.82	11.69	9.19	11.20	10.50	10.68	11.76	10.13	12.97	9.55	14.14		
	900	16.40	4.01	15.64	7.67	15.23	9.38	14.78	11.03	14.28	12.60	13.77	14.11	13.21	15.57	12.64	16.97		
	1050	19.49	4.68	18.73	8.95	18.32	10.95	17.86	12.86	17.37	14.70	16.86	16.47	16.30	18.16	15.72	19.80		
	1200	22.58	5.35	21.81	10.23	21.40	12.51	20.95	14.70	20.46	16.80	19.94	18.82	19.39	20.76	18.81	22.62		
	1350	25.66	6.02	24.90	11.50	24.49	14.07	24.04	16.54	23.54	18.90	23.03	21.17	22.47	23.35	21.90	25.45		
	1500	28.75	6.68	27.99	12.78	27.58	15.64	27.12	18.38	26.63	21.00	26.12	23.52	25.56	25.95	24.98	28.28		
	1650	31.84	7.35	31.08	14.06	30.66	17.20	30.21	20.21	29.72	23.10	29.20	25.88	28.65	28.54	28.07	31.11		
LTV-200	600	17.01	4.84	15.99	9.27	15.42	11.34	14.86	13.32	14.21	15.23	13.49	17.06	12.78	18.82	11.98	20.51		
	750	22.68	6.05	21.66	11.58	21.09	14.17	20.53	16.65	19.88	19.04	19.16	21.32	18.45	23.52	17.65	25.64		
	900	28.35	7.27	27.33	13.90	26.76	17.01	26.20	19.98	25.55	22.84	24.83	25.59	24.12	28.23	23.32	30.77		
	1050	34.02	8.48	33.00	16.22	32.43	19.84	31.87	23.32	31.22	26.65	30.50	29.85	29.79	32.93	28.99	35.89		
	1200	39.69	9.69	38.67	18.53	38.10	22.67	37.54	26.65	36.89	30.46	36.17	34.12	35.46	37.64	34.66	41.02		
	1350	45.36	10.90	44.34	20.85	43.77	25.51	43.21	29.98	42.56	34.26	41.84	38.38	41.13	42.34	40.33	46.15		
	1500	51.03	12.11	50.01	23.17	49.44	28.34	48.88	33.31	48.23	38.07	47.51	42.65	46.80	47.05	46.00	51.28		
LTV-200A	600	27.72	7.40	26.22	14.16	25.35	17.32	24.43	20.35	23.45	23.27	22.35	26.06	21.19	28.75	19.98	31.34		
	750	36.38	9.25	34.88	17.70	34.01	21.65	33.09	25.44	32.11	29.08	31.01	32.58	29.86	35.94	28.64	39.17		
	900	45.05	11.10	43.54	21.24	42.68	25.98	41.75	30.53	40.77	34.90	39.67	39.09	38.52	43.13	37.31	47.01		
	1050	53.71	12.95	52.21	24.77	51.34	30.31	50.42	35.62	49.43	40.72	48.34	45.61	47.18	50.31	45.97	54.84		
	1200	62.37	14.80	60.87	28.31	60.00	34.64	59.08	40.71	58.10	46.53	57.00	52.12	55.84	57.50	54.63	62.67		
	1350	71.03	16.65	69.53	31.85	68.66	38.97	67.74	45.80	66.76	52.35	65.66	58.64	64.51	64.69	63.29	70.51		
	1500	79.70	18.50	78.2	35.39	77.3	43.30	76.4	50.89	75.4	58.16	74.3	65.16	73.17	71.88	71.96	78.34		
LTV-250	600	27.72	7.40	26.22	14.16	25.35	17.32	24.43	20.35	23.45	23.27	22.35	26.06	21.19	28.75	19.98	31.34		
	750	36.38	9.25	34.88	17.70	34.01	21.65	33.09	25.44	32.11	29.08	31.01	32.58	29.86	35.94	28.64	39.17		
	900	45.05	11.10	43.54	21.24	42.68	25.98	41.75	30.53	40.77	34.90	39.67	39.09	38.52	43.13	37.31	47.01		
	1050	53.71	12.95	52.21	24.77	51.34	30.31	50.42	35.62	49.43	40.72	48.34	45.61	47.18	50.31	45.97	54.84		
	1200	62.37	14.80	60.87	28.31	60.00	34.64	59.08	40.71	58.10	46.53	57.00	52.12	55.84	57.50	54.63	62.67		
	1350	71.03	16.65	69.53	31.85	68.66	38.97	67.74	45.80	66.76	52.35	65.66	58.64	64.51	64.69	63.29	70.51		
	1500	79.70	18.50	78.19	35.39	77.33	43.30	76.40	50.89	75.42	58.16	74.32	65.16	73.17	71.88	71.96	78.34		
LTV-250A	600	39.31	10.34	37.13	17.81	35.63	21.47	34.37	25.13	33.01	28.89	31.74	32.48	30.37	35.83	28.82	39.97		
	750	50.78	12.92	48.60	22.26	47.09	26.84	45.84	31.41	44.48	36.12	43.21	40.59	41.83	44.78	40.29	49.97		
	900	62.65	15.50	60.07	26.72	58.56	32.21	57.31	37.70	55.95	43.34	54.68	48.71	53.30	53.74	51.76	59.96		
	1050	73.71	18.09	71.53	31.17	70.03	37.57	68.77	43.98	67.41	50.57	66.14	56.83	64.77	62.70	63.22	69.95		
	1200	85.18	20.67	83.00	35.62	81.50	42.94	80.24	50.26	78.88	57.79	77.61	64.95	76.24	71.65	74.69	79.95		
	1350	96.65	23.26	94.47	40.07	92.96	48.31	91.71	56.55	90.35	65.01	89.08	73.07	87.70	80.61	86.16	89.94		
	1500	108.1	25.84	105.9	44.53	104.4	53.68	103.2	62.83	101.8	72.24	100.5	81.19	99.17	89.57	97.63	99.93		

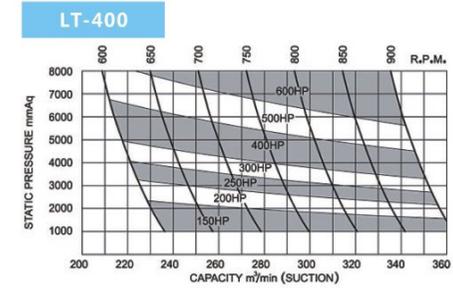
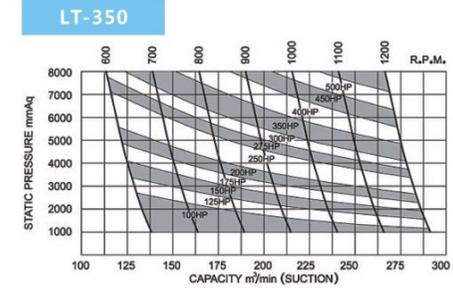
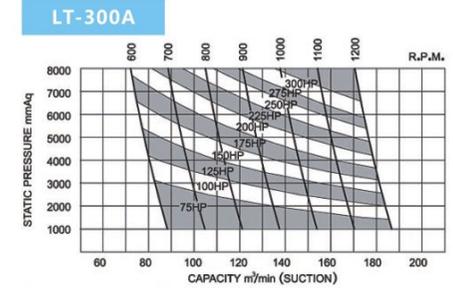
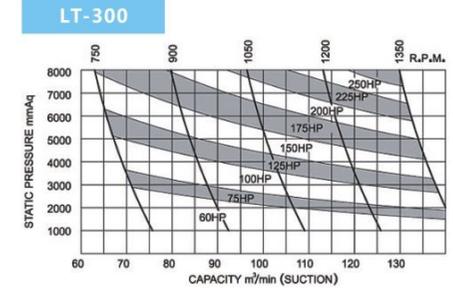
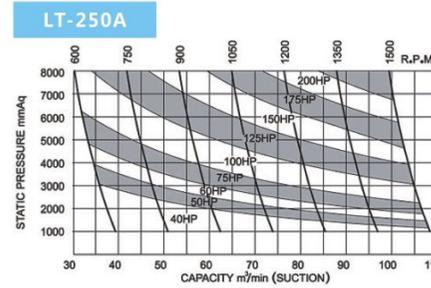
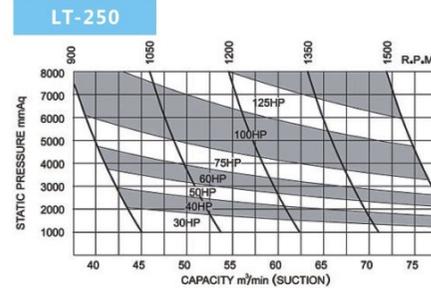
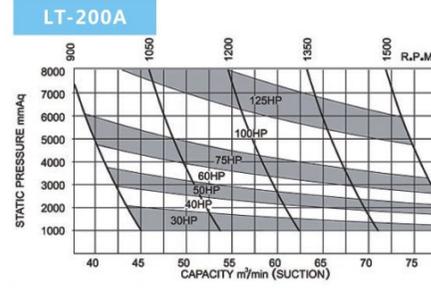
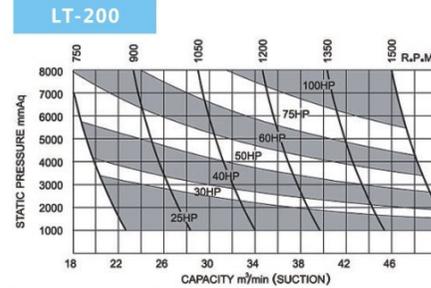
LTV型性能表 (真空用)
LTV TYPE PERFORMANCE TABLE(FOR VACUUM)

TYPE	RPM	Qs(m³/min)						PRESSURE(mmAq)						La(Kw)					
		-1000mmAq		-2000mmAq		-2500mmAq		-3000mmAq		-3500mmAq		-4000mmAq		-4500mmAq		-5000mmAq			
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
LTV-300	600	58.94	14.25	56.27	27.26	54.82	33.35	53.15	39.19	51.49	44.80	49.71	50.18	47.70	55.36	45.70	60.34		
	750	75.62	17.81	72.95	34.07	71.50	41.69	69.83	48.99	68.17	56.00	66.39	62.72	64.38	69.20	63.38	75.42		
	900	92.30	21.38	89.63	40.89	88.18	50.02	86.51	58.79	84.85	67.20	83.07	75.27	81.06	83.04	79.06	90.51		
	1050	109.0	24.94	106.3	47.70	104.9	58.36	103.2	68.58	101.5	78.40	99.75	87.81	97.74	96.88	95.74	105.6		
	1200	125.7	28.50	123.0	54.52	121.5	66.70	119.9	78.38	118.2	89.60	116.4	100.4	114.4	110.7	112.4	120.7		
	1350	142.3	32.06	139.7	61.33	138.2	75.04	136.6	88.18	134.9	100.8	133.1	112.9	131.1	124.6	129.1	135.8		
	1500	159.0	35.63	156.3	68.15	154.9	83.37	153.2	97.98	151.6	112.0	149.8	125.4	147.8	138.4	145.8	150.8		
LTV-300A	600	88.2	21.04	84.4	36.86	82.0	44.47	79.7	53.34	77.7	60.6	75.3	68.0	72.5	77.0	69.0	84.7		
	700	104.6	24.54	100.9	43.01	98.4	51.88	96.2	62.23	94.1	70.6	91.8	79.4	89.0	89.8	85.5	98.9		
	800	121.0	28.05	117.3	49.15	114.8	59.29	112.6	71.12	110.5	80.7	108.2	90.7	105.4	102.7	101.9	113.0		
	900	137.5	31.56	133.7	55.29	131.3	66.70	129.1	80.00	127.0	90.8	124.7	102.0	121.8	115.5	118.4	127.1		
	1000	153.9	35.06	150.2	61.44	147.7	74.11	145.5	88.89	143.4	100.9	141.1	113.4	138.3	128.3	134.8	141.2		
	1100	170.3	38.57	166.6	67.58	164.1	81.52	161.9	97.78	159.9	111.0	157.5	124.7	154.7	141.2	151.2	155.3		
	1200	186.8	42.07	183.0	73.72	180.6	88.93	178.4	106.7	176.3	121.1	174.0	136.1	171.1	154.0	167.7	169.5		
LTV-350	600	138.1	32.72	132.3	57.32	128.5	69.15	124.7	82.94	121.4	94.16	117.9	105.8	113.5	119.8	107.9	131.7		
	700	163.6	38.17	157.8	66.87	154.0	80.67	150.2	96.77	146.9	109.9	143.4	123.4	139.0	139.7	133.4	153.7		
	800	189.1	43.63	183.3	76.42	179.5	92.20	175.7	110.6	172.4	125.6	168.9	141.1	164.5	159.7	158.9	175.7		
	900	214.6	49.08	208.8	85.97	205.0	103.7	201.2	124.4	197.9	141.2	194.4	158.7	190.0	179.6	184.4	197.6		
	1000	240.1	54.53	234.3	95.53	230.5	115.2	226.7	138.2	223.4	156.9	219.9	176.3	215.5	199.6	209.9	219.6		
	1100	265.6	59.99	259.8	105.1	256.0	126.8	252.2	152.1	248.9	172.6	245.4	193.9	241.0	219.6	235.4	241.5		
	1200	291.1	65.44	285.3	114.6	281.5	138.3	277.7	165.9	274.4	188.3	270.9	211.6	266.5	239.5	260.9	263.5		
LTV-400	600	236.3	52.99	228.3	95.77	224.6	117.3	219.5	137.9	216.6	159.0	212.4	180.5	209.4	212.8	203.5	223.0		
	650	257.4	57.40	249.4	103.8	245.6	127.1	240.5	149.4	237.6	172.3	233.4	195.5	230.5	230.5	224.6	241.6		
	700	278.4	61.82	270.4	111.7	266.6	136.8	261.6	160.9										

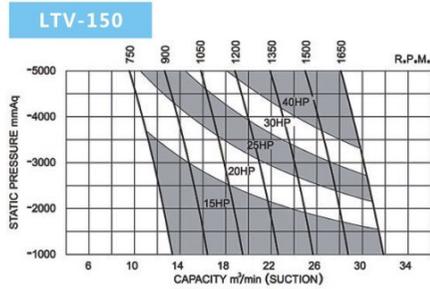
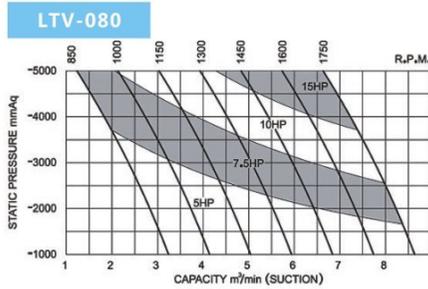
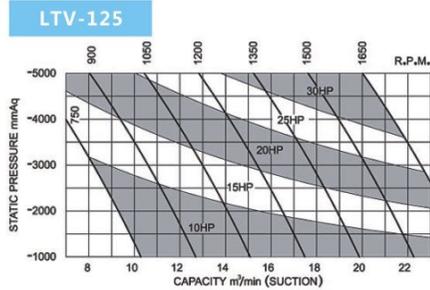
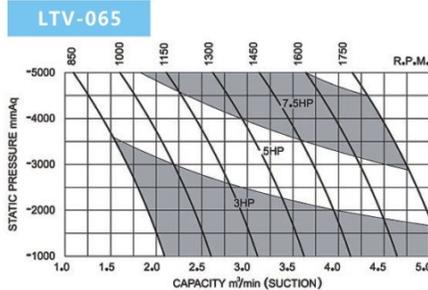
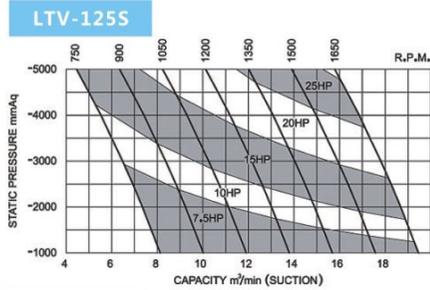
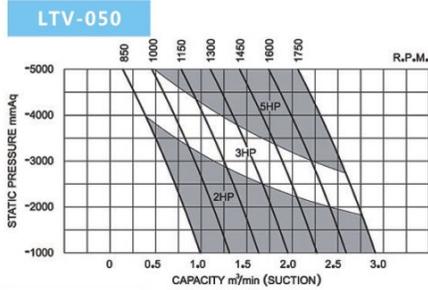
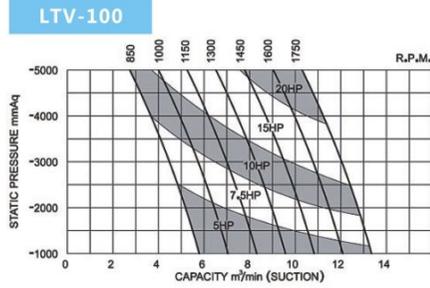
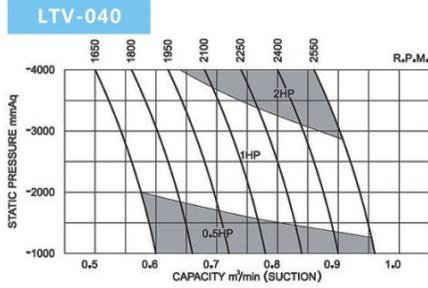
LT压送式性能曲线
PRESSURE PERFORMANCE CURVE



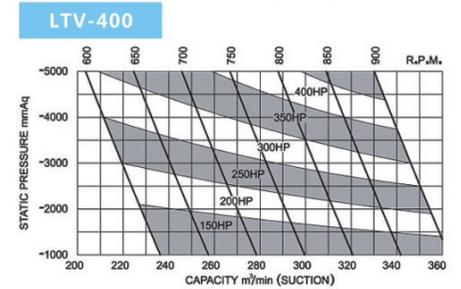
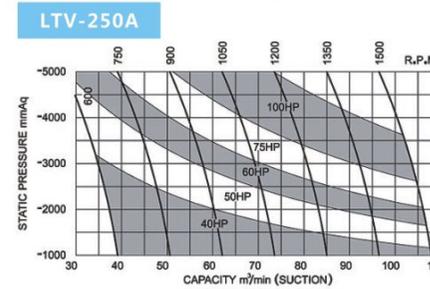
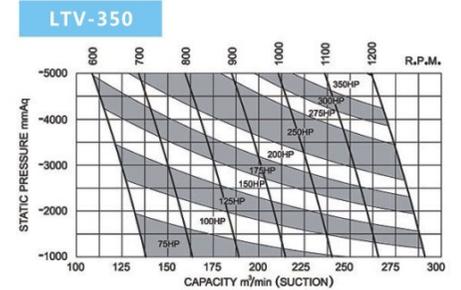
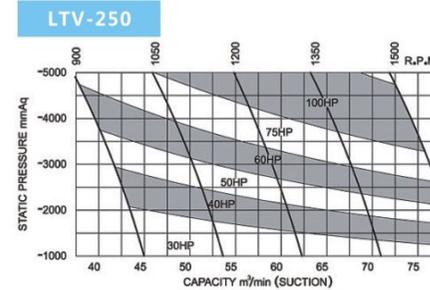
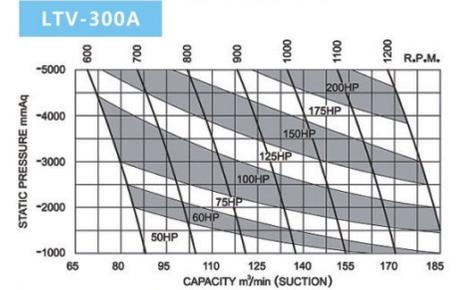
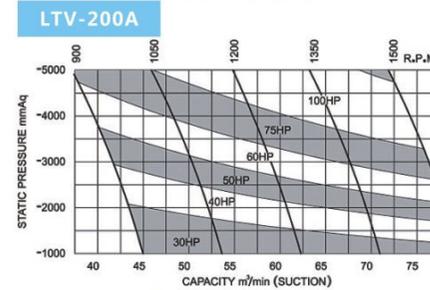
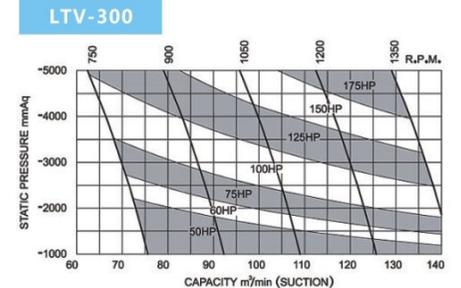
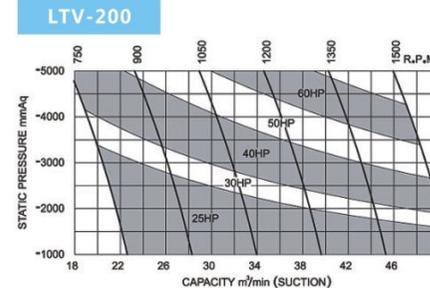
LT压送式性能曲线
PRESSURE PERFORMANCE CURVE



LTV真空型性能曲线
VACUUM PERFORMANCE CURVE



LTV真空型性能曲线
VACUUM PERFORMANCE CURVE



风量计算及性能曲线使用方法
HOW TO USE PERFORMANCE CHART

1. 鼓风机的风量可以下型式表示:

(1) 标准状态STP风量(QS): 温度20°C, 绝对压力10332mmAp, 相对湿度65%.

(2) 基准状态NTP风量(QN): 温度0°C, 绝对压力10332mmAp, 相对湿度0%.

2. 性能表所示风量是标准状态STP之吸入风量.

3. 性能表所示压力是鼓风机之静压.

4. 风量在不同压力、温度下的转换公式.

$$Q_2 = Q_1 \cdot \frac{P_1}{P_2} \cdot \frac{T_2}{T_1}$$

Q₁ (m³/min): 在绝对压力P₁ (mmAp), 绝对温度T₁ (°K) 下之风量.

Q₂ (m³/min): 在绝对压力P₂ (mmAp), 绝对温度T₂ (°K) 下之风量.

5. 静压的换算

(1) 压送の場合

$$P_s = \left(\frac{10332 + P_2}{10332 + P_1} - 1 \right) \cdot 10332$$

(2) 真空の場合

$$P_s = \left(\frac{10332 + P_1}{10332 + P_2} - 1 \right) \cdot 10332$$

P₁: 入口静压 P₂: 出口静压 P₃: 型录之静压

6. 范例

操作条件: 风量 5.16 m³/min
入口静压 -500 mmAp
出口静压 +4260 mmAp
入口温度 40°C

选用: 入口风量5.16m³/min, 必须换算成标准状态(STP)时的风量.

$$Q = 5.16 \cdot \frac{10332 - 500}{10332} \cdot \frac{273 + 20}{273 + 40} = 4.60 \text{ m}^3/\text{min}$$

静压换算

$$P_s = \left(\frac{10332 + 4260}{10332 - 500} - 1 \right) \cdot 10332 = 5000 \text{ mmAp}$$

查性能曲线可选择LT-80、转速1300RPM, 马力10HP.

7. 相同风量涵盖二种机型时, 小机型具有经济性,

大机型则有较低的转速即低噪音的优点, 请参看噪音表.

1. AIR VOLUME IS GENERAL SHOWN IN TERMS OF

(1) STANDARD STATE(QS): AT 20°C, 10332mmAq, AND RH.65%

(2) NORMAL STATE(QN): AT 0°C, 10332mmAq, AND RH.0%

2. PERFORMANCE TABLE SHOWN THE CAPACITY AT THE STANDARD SUCTION STATE.

3. PERFORMANCE TABLE SHOWN THE PRESSURE AT THE STATIC PRESSURE.

4. VOLUME CONVERSION FORMULA

$$Q_2 = Q_1 \cdot \frac{P_1}{P_2} \cdot \frac{T_2}{T_1}$$

Q₁ (m³/min): AIR VOLUME IN P₁(mmAq), T₁ (°K) °

Q₂ (m³/min): AIR VOLUME IN P₂(mmAq), T₂ (°K) °

5. PRESSURE CONVERSION FORMULA

(1) FOR PRESSURE

$$P_s = \left(\frac{10332 + P_2}{10332 + P_1} - 1 \right) \cdot 10332$$

(2) FOR VACUUM

$$P_s = \left(\frac{10332 + P_1}{10332 + P_2} - 1 \right) \cdot 10332$$

P₁: SUCTION STATIC PRESSURE

P₂: DISCHARGE STATIC PRESSURE

P_s: STATIC PRESSURE IN CATALOG

6. EXAMPLE

OPERATING SPECIFICATIONS:

AIR VOLUME 5.16 m³/min
SUCTION STATIC PRESSURE -500 mmAp
DISCHARGE STATIC PRESSURE +4260 mmAp
SUCTION TEMPERATURE 40°C

CHOICE: AIR VOLUME (5.16m³/min) CONVERTS TO STP STATE

$$Q = 5.16 \cdot \frac{10332 - 500}{10332} \cdot \frac{273 + 20}{273 + 40} = 4.60 \text{ m}^3/\text{min}$$

STATIC PRESSURE CHANGED TO

$$P_s = \left(\frac{10332 + 4260}{10332 - 500} - 1 \right) \cdot 10332 = 5000 \text{ mmAp}$$

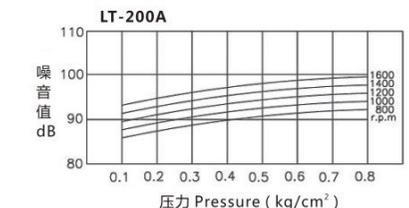
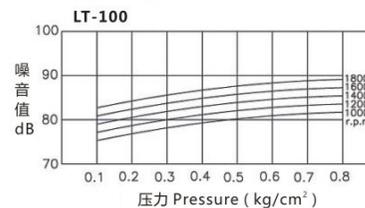
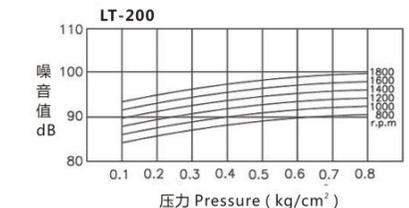
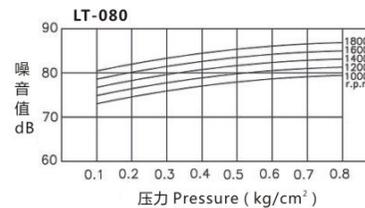
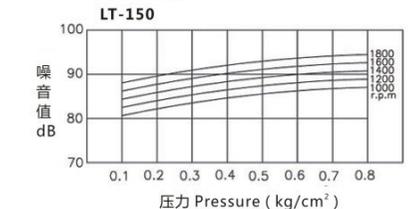
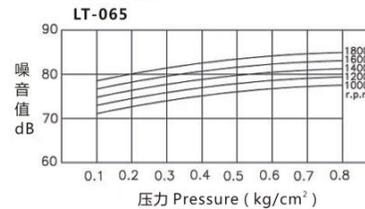
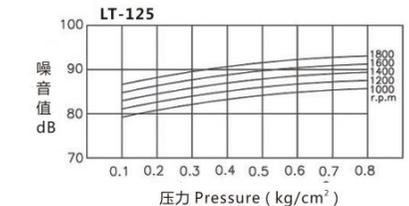
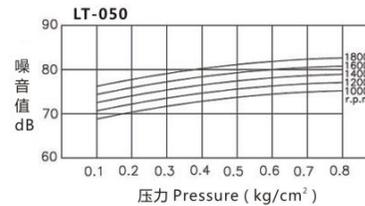
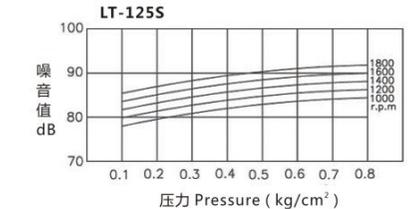
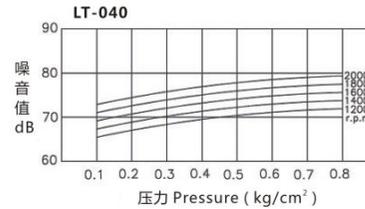
SEE THE PERFORMANCE TABLE, YOU COULD FIND LT-80, 1300RPM, 10HP FITS THE SPECIFICATIONS.

7. AS THE SELECTION COVERS TWO MODELS, YOU MAY SELECT THE SMALLER MODELS FOR ECONOMIC, OR YOU CHOSE THE BIGGER MODELS WITH THE ADVANTAGE OF LOWER RPM AND LOWER NOISE. PLEASE REFER TO NOISE CHART IN THE FOLLOWING PAGE.

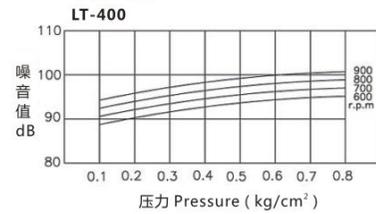
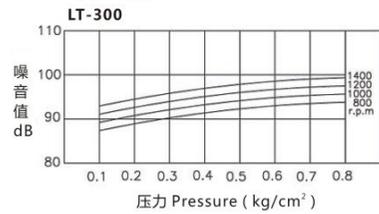
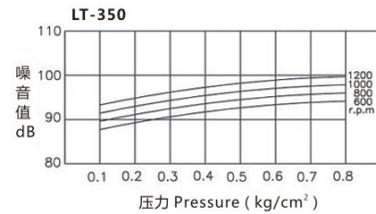
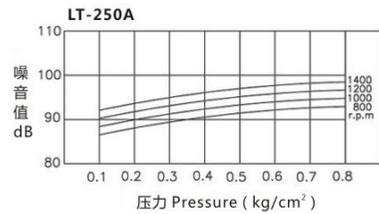
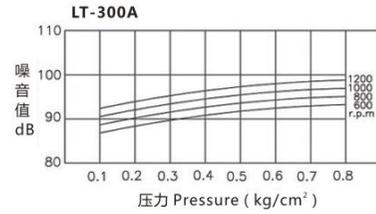
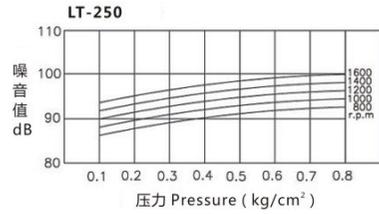
噪音表 NOSISE LEVEL OF BLOWER

噪音资料是距离鼓风机1m及标准消音器所测量的平均值。NOISE LEVEL MEASURED AT DISTANCE 1 METER FOR THE BLOWER FITTED WITH STANDARD SILENCER.

噪音值因加装管路的长度及周围的环境状况而有所改变。NOISE LEVEL MAYBE DIFFERENT ACCORDING TO THE EXTEND PIPE LENGTH AND AMBIENT CONDITION.



噪音表 NOSISE LEVEL OF BLOWER



单位换算 UNITS CONVERSION

压力 PRESSURE

	mbar	Pa	atm	lbf/in ²	kgf/cm ²	in-Hg	mmAq
1 mbar	1	10 ²	9.869×10 ⁻⁴	1.45×10 ⁻²	1.02×10 ⁻³	2.953×10 ⁻²	10.197
1 pa	0.01	1	9.869×10 ⁻⁶	1.45×10 ⁻⁴	1.02×10 ⁻⁵	2.953×10 ⁻⁴	0.102
1 atm	1.013×10 ³	1.013×10 ⁵	1	14.7	1.033	29.92	1.033×10 ⁴
1 lbf/in ²	68.95	6.895×10 ²	6.805×10 ⁻²	1	7.03×10 ⁻²	2.036	7.03×10 ²
1 kgf/cm ²	9.807×10 ²	9.807×10 ⁴	0.968	14.22	1	28.96	10 ⁴
1 in-hg	33.86	3.386×10 ³	3.342×10 ⁻²	0.491	3.45×10 ⁻²	1	3.45×10 ²
1 mmAq	9.807×10 ⁻²	9.807	9.677×10 ⁻⁵	1.42×10 ⁻³	10 ⁻⁴	2.896×10 ⁻³	1

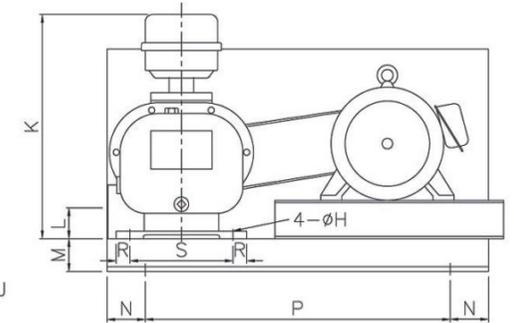
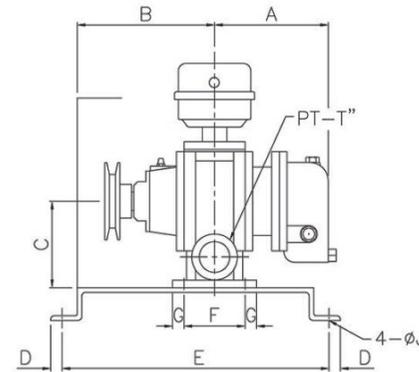
风量 CAPACITY

	m ³ /min	m ³ /hr	l/min	ft ³ /min
1 m ³ /min	1	60	1000	35.31
1 m ³ /hr	0.017	1	16.67	0.589
1 l/min	0.001	0.06	1	0.035
1 ft ³ /min	0.028	1.699	28.32	1

功率 POWER

	kg-m/sec	kW	HP	PS
1 kg-m/sec	1	0.01	0.013	0.013
1 kW	101.97	1	1.341	1.360
1 HP	76.038	0.746	1	1.014
1 PS	75	0.736	0.986	1

外形尺寸图
OUTLINE DIMENSIONS

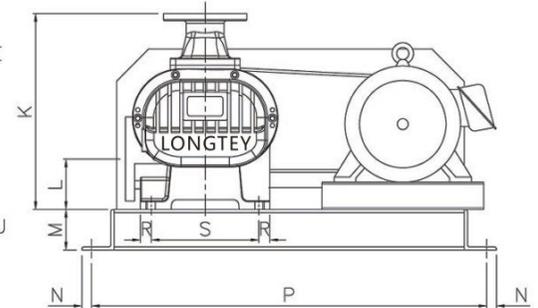
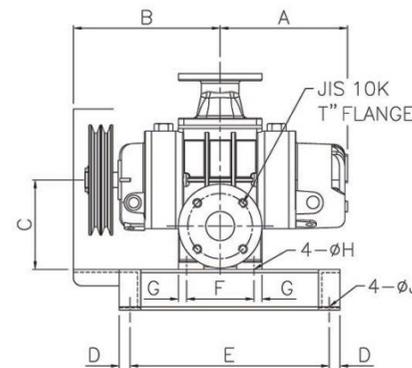


LT-025~040

UNITS:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Wt.(Kg)
LT-025	135	145	120	15	350	54	13	10	12	340	40	43	50	400	15	135	1	20
LT-040	162	185	120	15	350	80	15	10	12	340	40	43	50	400	15	135	1.5	25

表列重量仅为主机重量 (WT.FOR MAINBODY)



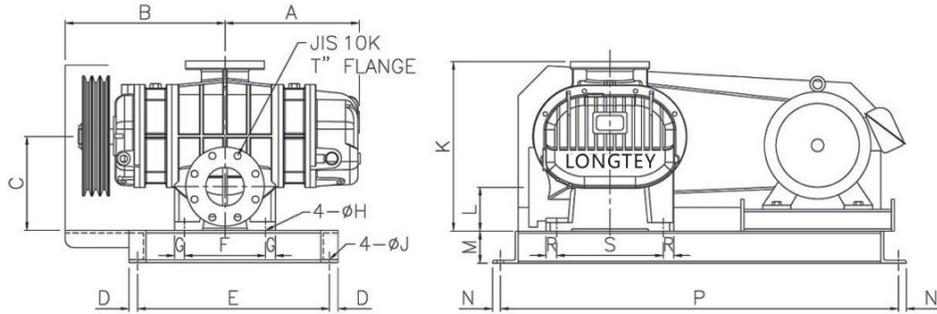
LT-050~065

UNITS:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Wt.(Kg)
LT-050	240	270	168	20	370	125	15	15	15	356	90	75	18	734	15	200	2	76
LT-065	280	290	173	20	370	210	15	15	15	356	95	75	18	734	15	200	2.5	94

表列重量仅为主机重量 (WT.FOR MAINBODY)

外形尺寸图
OUTLINE DIMENSIONS



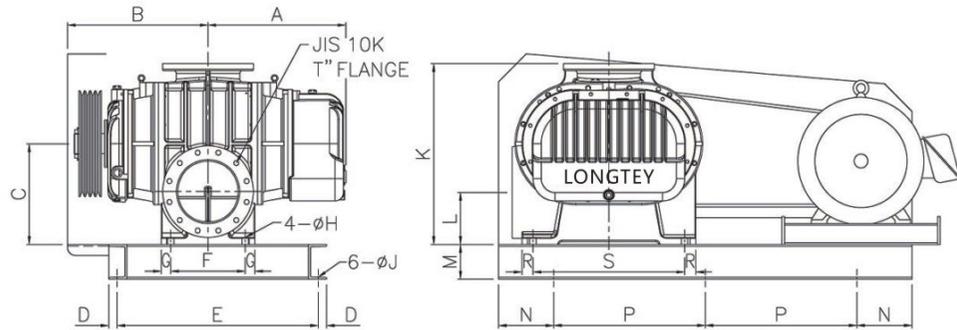
LT-080~150

UNITS:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Wt.(Kg)
LT-080	315	375	220	20	450	190	25	19	15	395	102	75	18	934	25	250	3	167
LT-100	365	425	220	20	450	290	25	19	15	395	115	75	18	934	25	250	4	193
LT-125S	405	445	265	25	605	230	25	19	19	475	145	100	20	1190	25	350	5	319
LT-125	445	485	300	25	605	320	25	19	19	515	155	100	20	1190	25	350	5	353
LT-150	500	540	300	25	605	425	25	19	19	515	155	100	20	1190	25	350	6	418

表列重量仅为主机重量 (WT.FOR MAINBODY)

LT-200~300

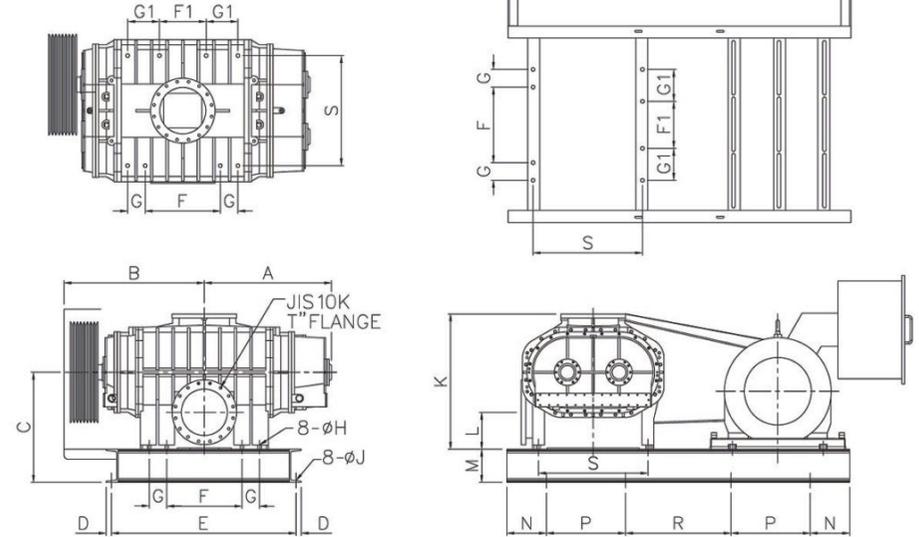


UNITS:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Wt.(Kg)
LT-200	515	495	363	30	730	270	35	23	19	650	190	125	200	550	40	550	8	720
LT-200A	605	595	363	30	730	460	35	23	19	665	190	125	200	550	40	550	8	897
LT-250	605	595	388	30	730	460	35	23	19	675	225	125	200	550	40	550	10	913
LT-250A	778	678	500	40	850	650	65	27	24	875	250	200	200	800	55	620	10	1665
LT-300	900	805	500	40	1120	650	65	27	24	875	250	200	200	800	55	620	12	2010
LT-300A	954	840	505	40	1300	650	60	27	24	930	243	200	200	800	60	680	12	3200

表列重量仅为主机重量 (WT.FOR MAINBODY)

外形尺寸图
OUTLINE DIMENSIONS



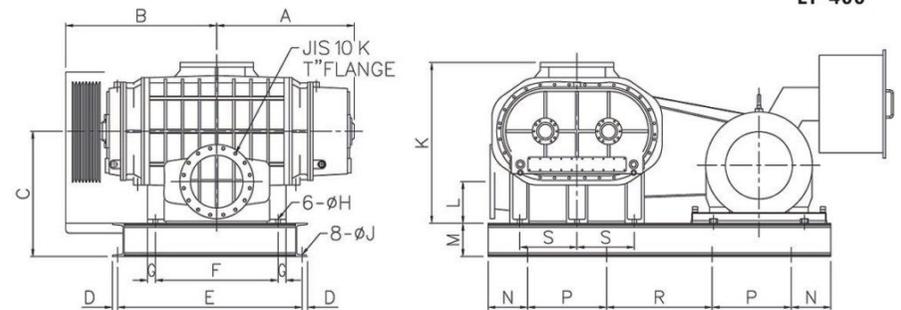
LT-350

UNITS:mm

MODEL	A	B	C	D	E	F	F1	G	G1	H	J	K	L	M	N	P	R	S	T	Wt.(Kg)
LT-350	965	1065	830	40	1400	570	354	133	35	241	24	1020	278	250	300	600	800	830	14	4100

表列重量仅为主机重量 (WT.FOR MAINBODY)

LT-400



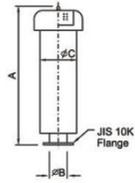
UNITS:mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Wt.(Kg)
LT-400	1043	1147	945	40	1400	930	60	35	24	1215	315	250	300	600	800	435	16	4650

表列重量仅为主机重量 (WT.FOR MAINBODY)

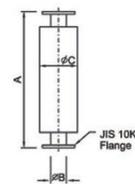
附属配件
ACCESSORIES

室外入口消音器 OUTDOOR SILENCER



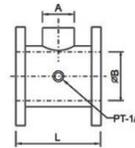
MODEL	A	B	C	适用机型
O-050	680	50	165	LT-050
O-065	680	65	165	LT-065
O-080	800	80	216	LT-080
O-100	820	100	267	LT-100
O-125	1300	125	350	LT-125
O-150	1300	150	350	LT-150
O-200	2030	200	525	LT-200
O-250	2030	250	600	LT-250
O-300	2240	300	700	LT-300
O-350	2570	350	800	LT-350
O-400	2570	400	800	LT-400

出口消音器 DISCHARGE SILENCER



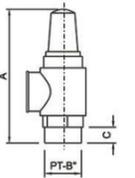
MODEL	A	B	C	适用机型
D-050	660	50	165	LT-050
D-065	660	65	165	LT-065
D-080	760	80	216	LT-080
D-100	760	100	267	LT-100
D-125	1190	125	350	LT-125
D-150	1190	150	350	LT-150
D-200	1735	200	525	LT-200
D-250	1735	250	600	LT-250
D-300	1735	300	700	LT-300
D-350	2230	350	800	LT-350
D-400	2230	400	800	LT-400

三通管 "T" JOINT



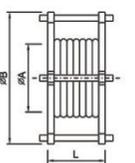
MODEL	A	B	C	适用机型
T-050	40	50	150	LT-050
T-065	40	65	150	LT-065
T-080	40	80	165	LT-080
T-100	40	100	165	LT-100
T-125	50	125	205	LT-125
T-150	50	150	210	LT-150
T-200	50	200	265	LT-200

安全阀 RELIY VALVE



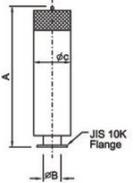
MODEL	A	B	C	适用机型
R-038	132	15"	26	LT-050~100
R-050	150	2"	28	LT-125~200

伸缩接头 FLEXIBLE JOINT



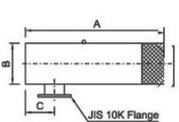
MODEL	A	B	L	适用机型
JF-050	50	155	150	LT-050
JF-065	65	175	150	LT-065
JF-080	80	185	150	LT-080
JF-100	100	210	150	LT-100
JF-125	125	250	150	LT-125
JF-150	150	280	150	LT-150
JF-200	200	330	200	LT-200
JF-250	250	400	240	LT-250
JF-300	300	445	200	LT-300
JF-350	350	490	230	LT-350
JF-400	400	560	250	LT-400

室内入口消音器 INDOOR SILENCER



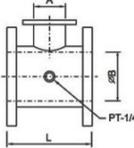
MODEL	A	B	C	适用机型
L-050	680	50	165	LT-050
L-065	680	65	165	LT-065
L-080	800	80	216	LT-080
L-100	820	100	267	LT-100
L-125	1300	125	350	LT-125
L-150	1300	150	350	LT-150
L-200	2030	200	525	LT-200
L-250	2030	250	600	LT-250
L-300	2240	300	700	LT-300
L-350	2570	350	800	LT-350
L-400	2570	400	800	LT-400

卧式室内入口消音器 HORIZONTAL SILENCER



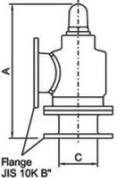
MODEL	A	B	C	适用机型
RO-050	580	165	120	LT-050
RO-065	580	165	120	LT-065
RO-080	700	216	150	LT-080
RO-100	700	267	150	LT-100
RO-125	1200	350	150	LT-125
RO-150	1200	350	150	LT-150
RO-200	1880	525	400	LT-200
RO-250	1880	600	400	LT-250
RO-300	2090	700	400	LT-300
RO-350	2420	800	400	LT-350
RO-400	2420	800	400	LT-400

三通管 "T" JOINT



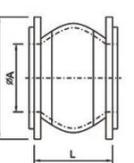
MODEL	A	B	L	适用机型
T-250	80	250	295	LT-250
T-300	80	300	350	LT-300
T-350	125	350	400	LT-350
T-400	125	400	500	LT-400

安全阀 RELIY VALVE



MODEL	A	B	C	适用机型
R-080	485	3"	80	LT-250~300
R-125	485	5"	125	LT-350~400

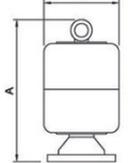
防震接头 FLEXIBLE JOINT



MODEL	A	B	L	适用机型
F-050	50	155	105	LT-050
F-065	65	175	115	LT-065
F-080	80	185	130	LT-080
F-100	100	210	135	LT-100
F-125	125	250	170	LT-125
F-150	150	280	180	LT-150
F-200	200	330	205	LT-200
F-250	250	400	240	LT-250
F-300	300	445	260	LT-300
F-350	350	490	265	LT-350
F-400	400	560	265	LT-400

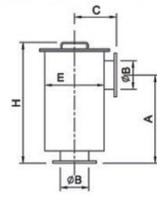
附属配件
ACCESSORIES

入口消音器 SHORT SILENCER



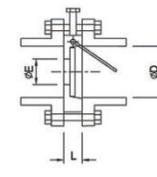
MODEL	A	B	适用机型
S-50	320	176	LT-50
S65	320	176	LT-65

真空过滤桶 FILTER TANK



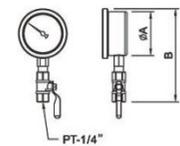
MODEL	A	B	C	E	H
B-050	395	50	180	210	530
B-065	395	65	180	210	530
B-080	480	80	210	270	670
B-100	480	100	210	270	670

单瓣式逆止阀 CHECK VALVE



MODEL	A	B	C	适用机型
C-050	50	30	17	LT-050
C-065	65	45	19	LT-065
C-080	80	55	20	LT-080
C-100	100	70	20	LT-100
C-125	125	90	23	LT-125
C-150	150	110	24	LT-150
C-200	200	140	28	LT-200
C-250	250	190	28	LT-250

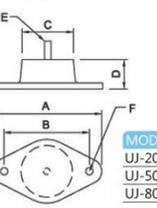
充油式压力表 LIQUID FILLED PRESSURE GAUGE



MODEL	A	B	适用机型
AC-A	63	133.5	LT-50~400

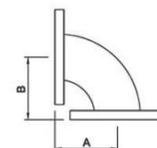
压力范围 76~0cmHg, 0~1kg/cm²

避震器 ABSORBER



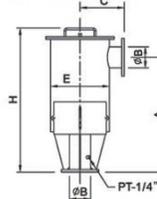
MODEL	A	B	C	D	E	F	适用范围(Kg)
UJ-200J	142	110	65	55	3/8"	Phi 12	0~150
UJ-500J	214	166	100	57	1/2"	Phi 14	140~450
UJ-800J	285	220	130	80	1/2"	Phi 17	400~750

90°弯头 90° ELBOW



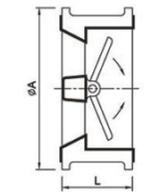
MODEL	A	B	适用机型
HE-050	83	121	LT-050
HE-065	103	103	LT-065
HE-080	122	122	LT-080
HE-100	160	160	LT-100
HE-125	199	199	LT-125
HE-150	237	237	LT-150
HE-200	313	313	LT-200
HE-250	389	389	LT-250
HE-300	465	465	LT-300
HE-350	541	541	LT-350
HE-400	618	618	LT-400

真空过滤桶 FILTER TANK



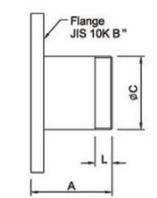
MODEL	A	B	C	E	H
B-125	760	125	270	330	770
B-150	760	150	270	330	770
B-200	920	200	370	492	1140
B-250	1092	250	358	492	1340
B-300	1200	300	420	612	1540
B-350	1300	350	515	777	1645
B-400	1300	400	515	777	1645

双瓣式逆止阀 DUAL CHECK VALVE



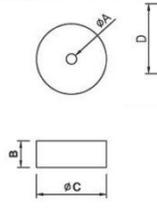
MODEL	A	B	适用机型
DC-200	270	127	LT-200
DC-250	332	146	LT-250
DC-300	377	181	LT-300
DC-350	420	184	LT-350
DC-400	483	191	LT-400

管接头 TUBE CONNECTOR



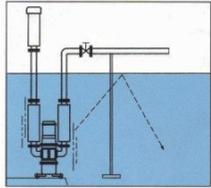
MODEL	A	B	C	适用机型	
V-050	95	2"	50	40	LT-050
V-065	95	2.5"	65	40	LT-065
V-080	95	3"	80	40	LT-080
V-100	95	4"	100	40	LT-100
V-125	155	5"	125	50	LT-125
V-150	155	6"	150	50	LT-150
V-200	155	8"	200	60	LT-200
V-250	155	10"	250	60	LT-250
V-300	155	12"	300	60	LT-300
V-350	160	14"	350	70	LT-350
V-400	160	16"	400	70	LT-400

避震垫 ABSORBER



MODEL	A	B	C	D	E	F
LT-040	15	25	50			
LT-050~065	15	25	75			
LT-080~100	25	39	102			
LT-125~400				101	147	10

沉水式罗茨鼓风机之优点 ADVANTAGES OF SUBMERSIBLE ROOT'S BLOWER



■ 宁静

运转之鼓风机，因放置在水中，故声音在空气与水之介面被折射入水中，而不传入空气中，同时水与槽壁亦同样折射回去而达到减音之效果。

QUIET

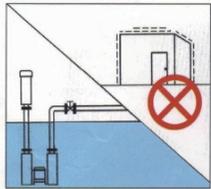
Because the blower is installed under water, the operating noises reaching the surface of water are refracted into water instead of air. Meanwhile water and tank walls also refract the noises into water. In this way, noises are effectively reduced.

■ 不需制作隔音房

水中型鼓风机因置于水中，即达到减音之效果，故不需另制作隔音罩或隔音厂房，同时鼓风机置于水槽中，不占用空间，所以能有效利用空间。

NO Need to Add Soundproofing Devices

Being installed under water, the blower produces less noises. So, there is no need to add a soundproofing cover or build a soundproofing factory. Besides, since it is installed in a water tank, it does occupy space. The work place can be utilized more efficiently.

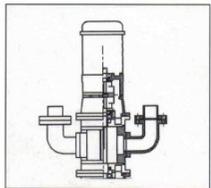


■ 构造坚实、安心使用

马达与机体为直结式(没有传统型调整皮带之困扰)。马达与机台本身全以O型环密闭，绝无浸水之虞。马达若因过热停机，请清理外壳，以达散热之效果。

Sturdy Structure to Ensure Durability

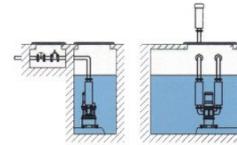
The motor and the blower body are connected directly (to avoid the troublesome conveyor adjustment of the traditional type of connection). The motor and the blower body are entirely sealed with an o-ring so water will not wet the motor. If the motor stops due to overheating, tear off its outer case to radiate heat more effectively.



装置简单、配管短、省工时，不占空间、不需防音设备---即达成无噪音之生活空间

You may enjoy a noiseless living environment with the advantages of Submersible Root's Blower—simple installation steps, shorter pipeline, less time required for installation and no need to add soundproofing devices.

可使用之场所 Suitable Places



■ 放流槽、消泡槽、鼓风机

优点：

- 装置浅检修容易。
- 换油可于放水后于槽内进行。

注意：

- 必须保持最低水位。
- 水温需保持于32℃以下。

Draining Tank, Defoaming Tank and Blowing Tank

Advantages:

- Installed in shallow water, it is convenient for checking and repairing.
- May replace oil in the tank directly after water is discharged.

Cautions:

- The volume of water should be kept above the lowest level.
- The temperature of water should be kept below 32°C.

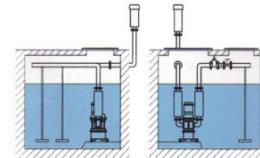
■ 曝氧槽

优点：

- 配管短，装置易。
- 不需要鼓风机装置场所。

注意：

- 装置不要妨害旋回留之位置。
- 气泡不要直接冲到鼓风机。



Advantages:

- With shorter pipeline, installation becomes easier.
- There is no need to reserve a place to install the blower.

Cautions:

- Do not install the blower in a place where circulation might be interrupted.
- Be careful not to let bubbles rush to the blower directly.

装置要点:

- 用绳索链条装置机台，降于槽底并安置于基面（不需要使用固定）
- 不可将绳索链条拉紧，其尾端固定于挂钩上。
- 吸进及排出之管路，请用固定架固定以防止松动。

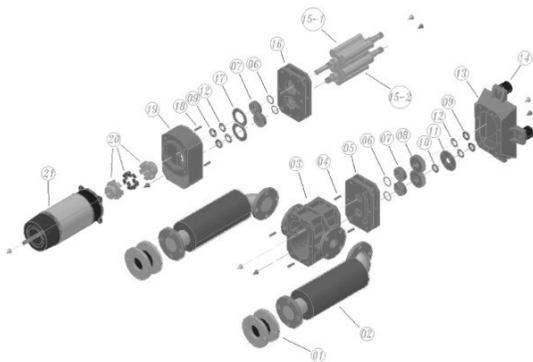
Key points of installation:

- To install the blower, use a cable or chain to drop it to the bottom of the tank. Place it on the base (there is no need to use fixing bolts)
- Do not fasten the cable or Chain. FIX one of its ends to the hook.
- As for the inlet and outlet pipeline, use the fixing skeleton to prevent it from loosening.

- 为方便装置及管理，故需吊架及吊架孔，使用时插入吊架孔，不用时移开。
- 开始运转时，安全阀全开再调整至使用之压力。

- For the convenience of installation and management, a hanger and a hanger hole are necessary. When you need to use the blower, insert the hanger in the hanger hole. Pull the hanger out of the hanger hole when the blower is not in use.
- When the blower begins to operate, open the safety valve to the full and then adjust it to the required pressure.

结构简图:



NO.	名称	材质
1	弹性接头	Synthetic Rubber
2	消音器	Q235
3	鼓风机本体	HT250
4	弹簧定位销	50#
5	后侧盖	HT250
6	油封	Viton
7	轴承	GCr15
8	齿轮	20CrMnTi
9	锁紧螺栓	45#
10	甩油垫片	45#
11	甩油片	Q235
12	太阳垫片	Q235
13	齿轮箱	HT250
14	减震垫	Synthetic Rubber
15-1	传动轴	Assembly
15-2	被动轴	Assembly
16	轴承座	HT250
17	轴承固定片	Q235
18	定位销	45#
19	前油箱	HT250
20	联轴器	HT250
21	电机	Ht250

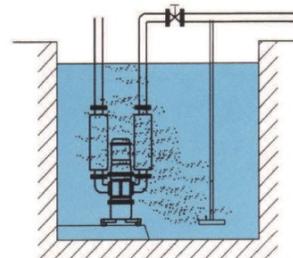
沉水式罗茨鼓风机性能表

Performance of submersible Root™ s Blower

型号/Type	口径/DIA (mm)	风量范围/CAPACITY (m³/min)	压力范围/PRESSURE (mmAq)	电机功率范围/POWER (Kw)
LTW-40	40/50	0.83-1.96	1000-4000	1.5-4.0
LTW-50	50/65	1.87-3.18	1000-5000	2.2-5.5
LTW-65	65/80	3.15-4.17	1000-6000	3-7.5
LTW-80	80/100	4.10-7.67	1000-6000	5.5-15
LTW-100	100/125	7.57-11.02	1000-6000	7.5-18.5
LTW-125	125/150	10.59-16.25	1000-6000	11.0-22.0

- 当所需风量不在上表时, 请问我们销售与技术人员。
- 为配合市场需求, 现公司对同机型做出不同口径。
- 此表仅为各参数范围, 如需要详细参数, 欢迎向销售代表询问。

装置注意事项 Device attention

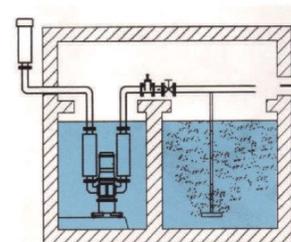


■装置注意事项

- 为确认动作及调整, 应装置于容易检修之地方. 防止鼓风机停机时, 产生逆流, 请装置逆止阀并尽量装置于曝气槽水面以上之位置。
- 如有污泥及尘埃等堆积之可能, 请提高鼓风机装置之面积. 污泥如堆积于马达及鼓风机之周围, 将使马达散热不易, 造成故障或烧毁之可能, 因此如有污泥堆积之可能(如上图之装置)另制一管路搅拌鼓风机周围使污泥不附着其上。

Cautions in Installation

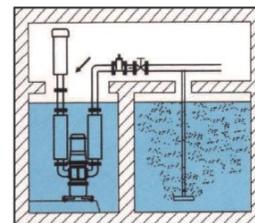
- In order to confirm actions and make adjustment, install the blower in a place convenient for checking and repairs. To prevent adverse flow in case the blower stops, add a check vale. If possible install the check valve at a position higher than the water level in the aertion tank.
- If sludge and dust might accumulate, heighten the blower's base. If sludge accumulates around the motor or blower, it will be difficult for the motor to radiate heat. This might lead to a breakdown or the moto might burn itself out. In this case, lay another pipeline (a device as shown in the above drawing) to stir water around the blower so sludge will not stick to it.



图(一)

■进气排气注意事项

- 进气消音器应竖立, 并置于室外使其不吸入槽内之潮湿空气, 如图(一)
- 进气消音器应高于水面1米以上, 并且开阔之地方, 以便如有尘埃堆积, 易于清理, 图(二)之装置尽量避免因消音气吸入槽内之湿空气, 而使气室因过于潮湿, 致使叶轮生锈产生故障之虑, 应避免之。
- 预备机因长久之放置, 有可能生锈卡死之情况产生, 故请定时(以周计)予以运转30分钟若置于潮湿之地点, 请以日计。



图(二)

Cautions in Inlet and Outlet

- The inlet muffler should be erected and installed outdoors to avoid taking in damp air from the tank (as shown in drawing[1])
- The inlet muffler should be mstalled at least 1m above the water in an open area so it can be easily cleaned if dust accumulates, As Shown in drawing[2], if the muffler takes in damp air from the tank, the air chamber will become very damp, which might rust the blade wheel and cause a breakdown, Avoid such sifuation if possible.
- The spare set, being stored for a long time, might gather rust and check. Be sure to turn it on 30 minutes regularly (weekly). If it is stored in a damp place, turn it on daily.