

LRB

低压型三叶罗茨鼓风机

LRB low pressure three-lobe roots blower



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原理 Theory

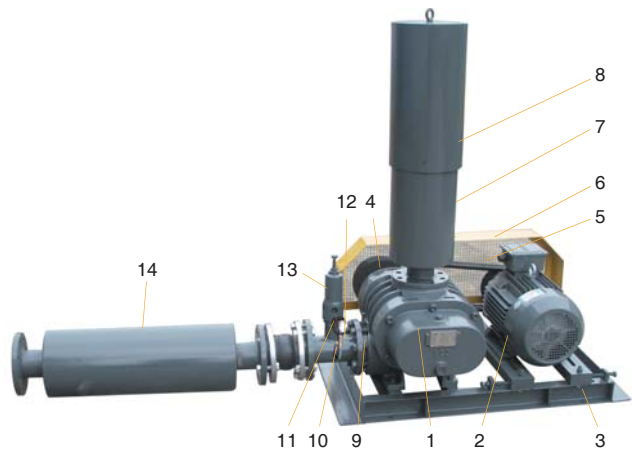
LRB三叶罗茨风机是一种容积式风机，其压力可根据用户的要求在允许的范围内加以调节。在机壳内部设置有两组互朝相反方向回转的叶轮，可在叶轮与叶轮、叶轮与壳体间仅留极小缝隙的状态下回转。当叶轮经过吸入端与壳体之间时，叶轮捕捉一定量的空气，随叶轮旋转，空气侧移，压力逐渐升高再送至出口端。

LRB is a displacement blower, the pressure can be adjusted according to the requirement of the user in allowing range. There are two impellers in the blower body which rotate in the opposite direction, in order to let the impeller rotate, there are some tiny gaps between the impeller to body, impeller to impeller. When the impeller rotates through the suction inlet, it can gather an amount of air between the body and impeller, then the impeller go on rotating, and the air will be pressured, the pressure in the body will rise, finally the air has been sent to the outlet.

特点 Features

- 风量和压力范围大。
口径：50mm-300mm (2"-12")
风量：0.82-127m³/min (29-4482CFM)
压力：最高可达6000mmAq (0.6kgf/cm²)
 - 排出气体不含油污。
 - 电脑动平衡校正，低振动低噪音。
 - 风量稳定，压力变化对风量之影响小。
 - 特殊叶轮设计，高效率省能源。
 - 构造简单坚固，无故障。
 - 使用一级研磨齿轮，精度高，寿命长，低噪音。
 - 严格品质管理，标准化制品。
 - 叶轮采用最新之龙门刨床六轴加工法，一次加工完成，其具有更高之精密度。
- Wide range of capacity and pressure.
Calibre: 50mm - 300mm (2"-12")
Capacity: 0.82-127m³/min (29-4482CFM)
Pressure: The pressure up to 6000mmAq (0.6kgf/cm²)
 - Delivers completely oil-free air.
 - Low oscillation and low noise by dynamic balance which revised by computer.
 - Smaller change in capacity against change in pressure.
 - High efficiency due to special impeller design, great air-delivery low power.
 - Simpler and solidier structure, less trouble.
 - Highest quality pilot & accurate great applied, long life and low noise assured.
 - Standardized product with strict quality control.
 - Our impeller has used the most advanced technic, one time for all working process of the six-shaft method, to enhance the precision of leave wheel.

外形结构图 Externality construction



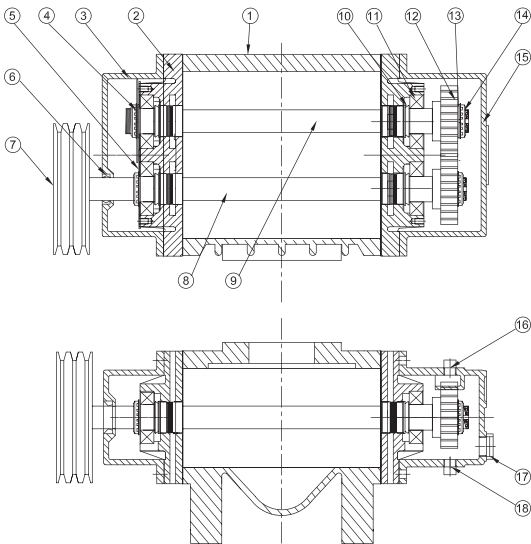
NO.	附件	ACCESSORIES
1	本机体	Blower body
2	电动机	Motor
3	底座	Foundation
4	皮带轮	Pulley
5	传动皮带	Driving belt
6	皮带护罩	Belt cover
7	入口消音器	Inlet silencer
8	防雨盖	Rain cover
9	逆止阀	Check valve
10	缓冲管	Gauge pipe
11	吐出压力表	Outlet pressure gauge
12	三通管	T-joint
13	安全阀	Safety valve
14	出口消音器	Outlet silencer

型号说明 Type description

LRB	-	65		
			口径 (mm)	Diameter (mm)
			低压型三叶罗茨风机	Low Pressure three-lobe roots blower

结构简图 Construction

NO.	名称	NAME	材质 MATERIAL	
			GB	JIS
1	鼓风机本体	Casing	HT250	FC250
2	轴承座	Bearing housing	HT250	FC250
3	油箱	Oil box	HT250	FC250
4	甩油片	Oil splash	Q235	SS400
5	轴承固定片	Bearing washer	Q235	SS400
6	骨架油封	Framework oil seal	Viton	Viton
7	皮带轮	Pulley	HT250	FC250
8	主动叶轮	Drive rotor	Assembly	Assembly
9	被动叶轮	Driven rotor	Assembly	Assembly
10	V型油封	V-ring	Viton	Viton
11	轴承	Bearing	GCr15	SUJ2
12	齿轮	Gear	35CrMa	SCM435
13	止动垫片	Lock washer	Q235	SS400
14	圆螺母	Lock nut	45	S45C
15	齿轮箱	Gear box	HT250	FC250
16	加油栓塞	Lubrication plug	45	S45C
17	润滑油面计	Oil gauge	Assembly	Assembly
18	泄油栓塞	Purge plug	45	S45C



注：不同机型结构略有不同。
Note: Different model has a little difference.

单位换算表 Conversion table

PRESSURE	atm	kPa	bar	lbt/in ²	kgf/cm ²	in Hg	ftAq	mmHg(Torr)	mmAq
1 atm	1	101.325	1.01325	14.696	1.0333	29.921	33.914	760	10333
1 kPa	0.0099	1	0.01	0.145	0.0102	0.295	0.335	7.5	102
1 bar	0.9869	100	1	14.504	1.0198	29.53	33.47	750	10198
1 lbt/in ² (psi)	0.068	6.894	0.0689	1	0.0703	2.036	2.308	51.71	703
1 kgf/cm ²	0.968	98.062	0.981	14.228	1	28.96	32.82	735.53	10000
1 inHg	0.0334	3.3863	0.0339	0.491	0.0345	1	1.133	25.4	345.3
1 ftAq	0.0295	2.99	0.0299	0.434	0.0305	0.882	1	22.42	304.8
1 mmHg(Torr)	0.013	0.1338	0.00138	0.019	0.0014	0.04	0.045	1	13.6
1 mmAq	0.000097	0.0098	0.000098	0.0014	0.0001	0.003	0.0033	0.074	1

CAPACITY	m ³ /min	l/min	cm ³ /s	in ³ /s	ft ³ /min(cfm)
1 m ³ /min	1	1000	16667	1016	35.288
1 l/min	0.001	1	16.67	1.02	0.0353
1 cm ³ /s	0.00006	0.06	1	0.061	0.02
1 in ³ /s	0.00098	0.983	16.39	1	0.035
1 ft ³ /min(cfm)	0.028	28.32	471.95	28.8	1

压力常用换算公式

Pressure Conversion Formula

1 kPa=1000Pa=1000N/m²

1mbar=10.198mmAq

1mmHg(Torr)=133.8Pa

性能表使用须知 Working directions of performance table

- 1.性能参数表示鼓风机之型式、口径、回转数、吐出压力、实际进口风量、轴动力。
- 2.性能参数为标准吸入状态之空气量(温度20℃，绝对压力1.0332kgf/cm²，相对湿度65%)。
- 3.基准状态(温度0℃，绝对压力1.0332kgf/cm²)的风量，一般以 Nm³/min表示。
- 4.不同状态进口风量的换算：

$$Q_2 = Q_1 \times \frac{P_1}{P_2} \times \frac{273+T_2}{273+T_1}$$

Q₁: 绝对压力P₁(mmAq) 摄氏温度T₁(°C)状态的
风量(m³/min)

Q₂: 绝对压力P₂(mmAq) 摄氏温度T₂(°C)状态的
风量(m³/min)
- 5.电机功率一般为轴功率的1.1~1.3倍。
- 6.性能参数误差约5%。

- 1.The performance parameter indicate the type, caliber, revolutions, discharge pressure, actual inlet air capacity and shaft power of the blower.
- 2.The performance parameter indicate the air quantity in standard suction condition (temperature 20℃, absolute pressure 1.0332 kgf/cm² and relative humidity 65%) .
- 3.The reference air capacity (temperature 0℃ and absolute pressure1.0332kgf/cm²) is generally indicated in Nm³/min.
- 4.The inlet air capacity can be converted as following.

$$Q_2 = Q_1 \times \frac{P_1}{P_2} \times \frac{273+T_2}{273+T_1}$$

Q₁: Air capacity (m³/min) based on absolute pressure P₁(mmAq) and temperature T₁(°C)

Q₂: Air capacity (m³/min) based on absolute pressure P₂(mmAq) and temperature T₂(°C)
- 5.The motor power is 1.1~1.3 multiple of shaft power.
- 6.The error of the parameter is about 5%.



性能参数 Performance parameters

Qs(m³/min) Pressure(mmAq) La (kW)

型号 Type	转速 RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LRB-50	1200	1.57	0.33	1.39	0.66	1.22	1.00	1.04	1.33	0.92	1.66	0.82	1.99
	1300	1.72	0.36	1.55	0.72	1.37	1.08	1.20	1.44	1.08	1.80	0.98	2.16
	1400	1.88	0.39	1.70	0.77	1.53	1.16	1.35	1.55	1.24	1.93	1.13	2.32
	1500	2.03	0.41	1.86	0.83	1.69	1.24	1.51	1.66	1.39	2.07	1.29	2.49
	1600	2.19	0.44	2.01	0.88	1.84	1.33	1.67	1.77	1.55	2.21	1.44	2.65
	1700	2.34	0.47	2.17	0.94	2.00	1.41	1.82	1.88	1.70	2.35	1.60	2.82
	1800	2.50	0.50	2.32	1.00	2.15	1.49	1.98	1.99	1.86	2.49	1.76	2.99
	1900	2.66	0.53	2.48	1.05	2.31	1.58	2.13	2.10	2.01	2.63	1.91	3.15
	2000	2.81	0.55	2.64	1.11	2.46	1.66	2.29	2.21	2.17	2.76	2.07	3.32
	2100	2.97	0.58	2.79	1.16	2.62	1.74	2.44	2.32	2.33	2.90	2.22	3.48
	2200	3.12	0.61	2.95	1.22	2.78	1.82	2.60	2.43	2.48	3.04	2.38	3.65
	2300	3.28	0.64	3.10	1.27	2.93	1.91	2.76	2.54	2.64	3.18	2.53	3.81
	2400	3.43	0.66	3.26	1.33	3.09	1.99	2.91	2.65	2.79	3.32	2.69	3.98
LRB-65	900	1.76	0.41	1.42	0.83	1.09	1.24	0.86	1.66	0.70	2.07	0.60	2.49
	1000	2.02	0.46	1.68	0.92	1.35	1.38	1.12	1.84	0.96	2.30	0.86	2.76
	1100	2.27	0.51	1.94	1.01	1.61	1.52	1.38	2.03	1.22	2.53	1.12	3.04
	1200	2.53	0.55	2.20	1.11	1.87	1.66	1.64	2.21	1.48	2.76	1.38	3.32
	1300	2.79	0.60	2.46	1.20	2.13	1.80	1.90	2.40	1.74	2.99	1.64	3.59
	1400	3.05	0.64	2.71	1.29	2.39	1.93	2.16	2.58	2.00	3.22	1.90	3.87
	1500	3.31	0.69	2.97	1.38	2.65	2.07	2.41	2.76	2.26	3.46	2.16	4.15
	1600	3.57	0.74	3.23	1.47	2.91	2.21	2.67	2.95	2.52	3.69	2.42	4.42
	1700	3.83	0.78	3.49	1.57	3.16	2.35	2.93	3.13	2.78	3.92	2.68	4.70
	1800	4.09	0.83	3.75	1.66	3.42	2.49	3.19	3.32	3.04	4.15	2.94	4.98
	1900	4.35	0.88	4.01	1.75	3.68	2.63	3.45	3.50	3.30	4.38	3.20	5.25
	2000	4.61	0.92	4.27	1.84	3.94	2.76	3.71	3.69	3.56	4.61	3.45	5.53
	2100	4.87	0.97	4.53	1.93	4.20	2.90	3.97	3.87	3.82	4.84	3.71	5.80
	2200	5.13	1.01	4.79	2.03	4.46	3.04	4.23	4.05	4.08	5.07	3.97	6.08
LRB-80	2300	5.39	1.06	5.05	2.12	4.72	3.18	4.49	4.24	4.34	5.30	4.23	6.36
	2400	5.65	1.11	5.31	2.21	4.98	3.32	4.75	4.42	4.60	5.53	4.49	6.63
	900	2.31	0.54	2.06	1.08	1.93	1.62	1.82	2.16	1.66	2.70	1.54	3.23
	1000	2.65	0.60	2.39	1.20	2.26	1.80	2.15	2.40	2.00	2.99	1.88	3.59
	1100	2.99	0.66	2.73	1.32	2.60	1.98	2.49	2.64	2.34	3.29	2.21	3.95
	1200	3.33	0.72	3.07	1.44	2.94	2.16	2.83	2.87	2.67	3.59	2.55	4.31
	1300	3.66	0.78	3.41	1.56	3.28	2.34	3.17	3.11	3.01	3.89	2.89	4.67
	1400	4.00	0.84	3.74	1.68	3.61	2.52	3.50	3.35	3.35	4.19	3.22	5.03
	1500	4.34	0.90	4.08	1.80	3.95	2.70	3.84	3.59	3.69	4.49	3.56	5.39
	1600	4.68	0.96	4.42	1.92	4.29	2.87	4.18	3.83	4.02	4.79	3.90	5.75
	1700	5.01	1.02	4.75	2.04	4.63	3.05	4.51	4.07	4.36	5.09	4.24	6.11
	1800	5.35	1.08	5.09	2.16	4.96	3.23	4.85	4.31	4.70	5.39	4.57	6.47
	1900	5.69	1.14	5.43	2.28	5.30	3.41	5.19	4.55	5.03	5.69	4.91	6.83
	2000	6.02	1.20	5.77	2.40	5.64	3.59	5.53	4.79	5.37	5.99	5.25	7.19
LRB-100	2100	6.36	1.26	6.10	2.52	5.98	3.77	5.86	5.03	5.71	6.29	5.59	7.55
	2200	6.70	1.32	6.44	2.64	6.31	3.95	6.20	5.27	6.05	6.59	5.92	7.91
	2300	7.04	1.38	6.78	2.75	6.65	4.13	6.54	5.51	6.38	6.89	6.26	8.26
	2400	7.37	1.44	7.12	2.87	6.99	4.31	6.88	5.75	6.72	7.19	6.60	8.62
	750	3.53	0.80	3.11	1.59	2.76	2.39	2.30	3.19	1.96	3.99	1.67	4.78
	850	4.12	0.90	3.71	1.81	3.36	2.71	2.89	3.61	2.56	4.52	2.27	5.42
	950	4.72	1.01	4.31	2.02	3.96	3.03	3.49	4.04	3.16	5.05	2.87	6.06
	1050	5.32	1.12	4.90	2.23	4.56	3.35	4.09	4.46	3.76	5.58	3.47	6.70
	1150	5.92	1.22	5.50	2.45	5.16	3.67	4.69	4.89	4.36	6.11	4.06	7.34
	1250	6.52	1.33	6.10	2.66	5.76	3.99	5.29	5.32	4.96	6.64	4.66	7.97



性能参数 Performance parameters

Qs(m³/min) Pressure(mmAq) La (kW)

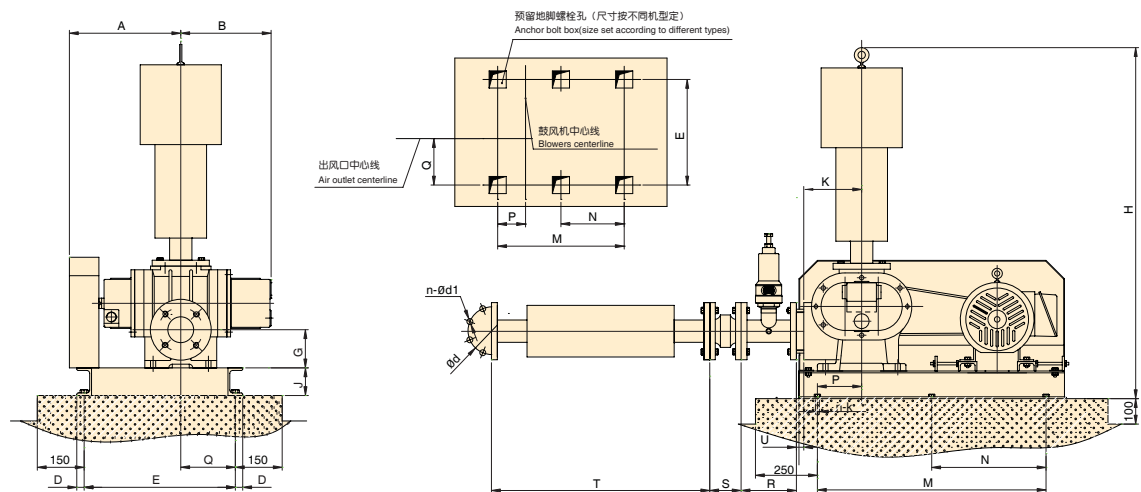
型号 Type	转速 RPM	1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LRB-100	1350	7.12	1.44	6.70	2.87	6.35	4.31	5.89	5.74	5.56	7.18	5.26	8.61
	1450	7.72	1.54	7.30	3.08	6.95	4.62	6.49	6.17	6.16	7.71	5.86	9.25
	1550	8.32	1.65	7.90	3.30	7.55	4.94	7.09	6.59	6.75	8.24	6.46	9.89
	1650	8.92	1.75	8.50	3.51	8.15	5.26	7.68	7.02	7.35	8.77	7.06	10.52
	1750	9.51	1.86	9.10	3.72	8.75	5.58	8.28	7.44	7.95	9.30	7.66	11.16
	1850	10.11	1.97	9.70	3.93	9.35	5.90	8.88	7.87	8.55	9.83	8.26	11.80
	1950	10.71	2.07	10.29	4.15	9.95	6.22	9.48	8.29	9.15	10.36	8.85	12.44
	2050	11.31	2.18	10.89	4.36	10.55	6.54	10.08	8.72	9.75	10.90	9.45	13.08
	2150	11.91	2.29	11.49	4.57	11.14	6.86	10.68	9.14	10.35	11.43	10.05	13.71
	2250	12.51	2.39	12.09	4.78	11.74	7.18	11.28	9.57	10.95	11.96	10.65	14.35
LRB-125	2350	13.11	2.50	12.69	5.00	12.34	7.49	11.88	9.99	11.54	12.49	11.25	14.99
	850	6.11	1.27	5.52	2.53	4.94	3.80	4.61	5.06	4.37	6.33	4.23	7.59
	950	6.95	1.41	6.36	2.83	5.78	4.24	5.45	5.66	5.21	7.07	5.07	8.48
	1050	7.79	1.56	7.19	3.13	6.62	4.69	6.29	6.25	6.05	7.81	5.91	9.38
	1150	8.62	1.71	8.03	3.42	7.46	5.13	7.13	6.85	6.89	8.56	6.75	10.27
	1250	9.46	1.86	8.87	3.72	8.29	5.58	7.96	7.44	7.73	9.30	7.59	11.16
	1350	10.30	2.01	9.71	4.02	9.13	6.03	8.80	8.04	8.57	10.05	8.42	12.06
	1450	11.14	2.16	10.55	4.32	9.97	6.47	9.64	8.63	9.40	10.79	9.26	12.95
	1550	11.98	2.31	11.38	4.61	10.81	6.92	10.48	9.23	10.24	11.53	10.10	13.84
	1650	12.82	2.46	12.22	4.91	11.65	7.37	11.32	9.82	11.08	12.28	10.94	14.73
LRB-150	1750	13.65	2.60	13.06	5.21	12.49	7.81	12.16	10.42	11.92	13.02	11.78	15.63
	1850	14.49	2.75	13.90	5.51	13.32	8.26	12.99	11.01	12.76	13.77	12.62	16.52
	1950	15.33	2.90	14.74	5.80	14.16	8.71	13.83	11.61	13.60	14.51	13.45	17.41
	2050	16.17	3.05	15.58	6.10	15.00	9.15	14.67	12.20	14.43	15.25	14.29	18.31
	2150	17.01	3.20	16.41	6.40	15.84	9.60	15.51	12.80	15.27	16.00	15.13	19.20
	2250	17.85	3.35	17.25	6.70	16.68	10.05	16.35	13.39	16.11	16.74	15.97	20.09
	2350	18.68	3.50	18.09	6.99	17.52	10.49	17.19	13.99	16.95	17.49	16.81	20.98
	1050	17.40	3.35	16.55	6.69	15.73	10.04	14.89	13.39	14.01	16.73	13.10	20.08
	1150	19.19	3.67	18.35	7.33	17.52	11.00	16.68	14.66	15.81	18.33	14.89	21.99
	1250	20.99	3.98	20.14	7.97	19.32	11.95	18.48	15.94	17.60	19.92	16.69	23.90
LRB-200	1350	22.78	4.30	21.94	8.61	21.11	12.91	20.27	17.21	19.40	21.51	18.49	25.82
	1450	24.58	4.62	23.73	9.24	22.91	13.86	22.07	18.49	21.19	23.11	20.28	27.73
	1550	26.37	4.94	25.53	9.88	24.70	14.82	23.86	19.76	22.99	24.70	22.08	29.64
	1650	28.17	5.26	27.32	10.52	26.50	15.78	25.66	21.04	24.78	26.29	23.87	31.55
	1750	29.96	5.58	29.12	11.15	28.29	16.73	27.45	22.31	26.58	27.89	25.67	33.46
	1850	31.76	5.90	30.91	11.79	30.09	17.69	29.25	23.58	28.37	29.48	27.46	35.38
	1950	33.55	6.21	32.71	12.43	31.89	18.64	31.04	24.86	30.17	31.07	29.26	37.29
	2050	35.35	6.53	34.50	13.07	33.68	19.60	32.84	26.13	31.96	32.67	31.05	39.20
	2150	37.15	6.85	36.30	13.70	35.48	20.56	34.63	27.41	33.76	34.26	32.85	41.11
	2250	38.94	7.17	38.09	1	37.27	21.51	36.43	28.68	35.55	35.86	34.64	43.03
LRB-250	2350	40.74	7.49	39.89	14.98	39.07	22.47	38.22	29.96	37.35	37.45	36.44	44.94
	780	24.23	4.61	23.31	9.21	22.47	13.82	21.67	18.43	20.88	23.03	20.12	27.64
	830	25.90	4.90	24.97	9.80	24.13	14.71	23.33	19.61	22.55	24.51	21.79	29.41
	880	27.56	5.20	26.64	10.40	25.80	15.59	24.99	20.79	24.21	25.99	23.45	31.19
	990	31.22	5.85	30.30	11.69	29.46	17.54	28.65	23.39	27.87	29.24	27.11	35.08
	1050	33.22	6.20	32.29	12.40	31.45	18.61	30.65	24.81	29.87	31.01	29.11	37.21
	1100	34.88	6.50	33.96	12.99	33.12	19.49	32.31	25.99	31.53	32.48	30.77	38.98
	1180	37.54	6.97	36.62	13.94	35.78	20.91	34.97	27.88	34.19	34.85	33.43	41.82
	1250	39.87	7.38	38.95	14.77	38.11	22.15	37.30	29.53	36.52	36.91	35.76	44.30
	1320	42.20	7.80	41.27	15.59	40.44	23.39	39.63	31.19	38.85	38.98	38.09	46.78
LRB-300	1390	44.53	8.21	43.60	16.42	42.76	24.63	41.96	32.84	41.18	41.05	40.42	49.26



性能参数 Performance parameters

型号 Type	转速 RPM	Qs(m³/min) Pressure(mmAq) La (kW)											
		1000mmAq		2000mmAq		3000mmAq		4000mmAq		5000mmAq		6000mmAq	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
LRB-200	1470	47.19	8.68	46.27	17.36	45.43	26.05	44.62	34.73	43.84	43.41	43.08	52.09
	1560	50.18	9.21	49.26	18.43	48.42	27.64	47.62	36.86	46.83	46.07	46.07	55.28
	1650	53.18	9.75	52.25	19.49	51.41	29.24	50.61	38.98	49.83	48.73	49.07	58.47
	1750	56.50	10.34	55.58	20.67	54.74	31.01	53.94	41.34	53.15	51.68	52.39	62.02
LRB-250	1000	44.97	8.48	43.32	16.97	41.72	25.45	40.08	33.94	38.38	42.42	36.61	50.90
	1100	49.75	9.33	48.10	18.67	46.50	28.00	44.86	37.33	43.16	46.66	41.39	56.00
	1200	54.52	10.18	52.88	20.36	51.28	30.54	49.64	40.72	47.94	50.90	46.17	61.09
	1300	59.30	11.03	57.66	22.06	56.06	33.09	54.42	44.12	52.72	55.15	50.95	66.18
	1400	64.08	11.88	62.43	23.76	60.83	35.63	59.20	47.51	57.50	59.39	55.72	71.27
	1480	67.90	12.56	66.26	25.11	64.66	37.67	63.02	50.23	61.32	62.78	59.55	75.34
	1560	71.73	13.24	70.08	26.47	68.48	39.71	66.84	52.94	65.14	66.18	63.37	79.41
	1650	76.03	14.00	74.38	28.00	72.78	42.00	71.14	56.00	69.44	69.99	67.67	83.99
	1750	80.81	14.85	79.16	29.69	77.56	44.54	75.92	59.39	74.22	74.24	72.45	89.08
LRB-300	700	54.70	10.56	51.92	21.12	49.22	31.67	46.45	42.23	43.58	52.79	40.58	63.35
	850	67.45	12.82	64.66	25.64	61.96	38.46	59.20	51.28	56.32	64.10	53.33	76.92
	1000	80.19	15.08	77.41	30.17	74.70	45.25	71.94	60.33	69.07	75.41	66.07	90.50
	1150	92.93	17.35	90.15	34.69	87.45	52.04	84.68	69.38	81.81	86.73	78.81	104.07
	1300	105.68	19.61	102.89	39.22	100.19	58.82	97.43	78.43	94.55	98.04	91.56	117.65
	1450	118.42	21.87	115.64	43.74	112.94	65.61	110.17	87.48	107.30	109.35	104.30	131.22
	1550	126.92	23.38	124.13	46.76	121.43	70.14	118.67	93.51	115.79	116.89	112.80	140.27

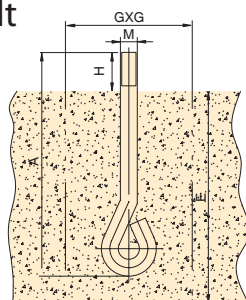
外形尺寸图（配用卧式出口消音器） Installation dimensions (horizontal outlet silencer)



单位: (mm)

型号 Type	A	B	D	E	G	H	J	K	M	N	P	Q	R	S	T	U	Ød	n-Ød1	地脚螺栓 n-k
LRB-50	240	205	20	350	104	935	46	140	500	-	98	88	150	105	592	20	125	4-Ø18	4-M12x160
LRB-65	302	245	20	410	112	951	80	157	620	-	119	148	150	115	596	24	145	4-Ø18	
LRB-80	315	275	20	410	114	1224	80	152	620	-	117	138	180	135	796	24	160	8-Ø18	
LRB-100	405	300	20	510	107	1404	80	180	670	-	112	160	180	150	796	24	180	8-Ø18	4-M16x220
LRB-125	467	350	20	560	127	1878	100	180	760	-	90	233	250	165	1260	25	210	8-Ø18	
LRB-150	500	430.5	22	556	168	2150	120	250	900	-	137.5	278	250	180	1264	26	240	8-Ø22	
LRB-200	550	440	20	710	185	2264	160	356	1300	650	212	350	250	190	1644	28	295	8-Ø22	6-M20x300
LRB-250	620	530	30	940	195	2574	160	342.5	1300	650	311	454	250	230	1748	28	350	12-Ø22	
LRB-300	760	685	30	940	255	2699	160	362	1530	765	248	470	300	250	1848	181	400	12-Ø22	

地脚螺栓 Anchor bolt



单位: (mm)

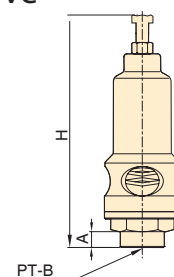
地脚螺栓M Anchor bolt GB799-88	A	H	E	GxG	适用型号 Application type
M12	160	36	224	100x100	LRB-50,65,80
M16	220	45	275	120x120	LRB-100,125,150
M20	300	55	345	150x150	LRB-200,250,300

注: 1. 图注E为最小尺寸, 根据安装的土壤情况, 应适当加深。
2. GxG为二次浇灌前的预留孔尺寸。GxG为二次浇灌前的预留孔尺寸。

Note: 1. The note E on the drawing is the minimum size, it shall be deepened properly according to the soil condition in the installation place.

2. GxG is the size of the preformed holes for the secondary casting.

安全阀 Safety valve

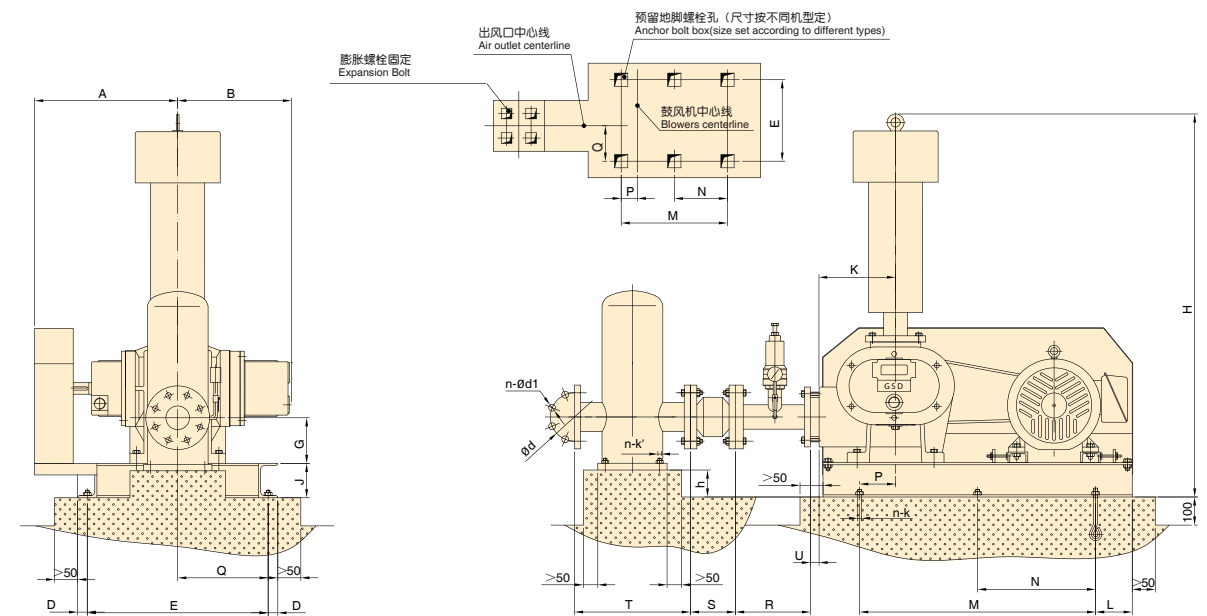


单位: (mm)

型号 Type	A	H	适用机型 Application type	重量 Weight (kg)
SV1 1/4"	25	150	LRB-50,65,80	1.6
SV2"	25	180	LRB-100,125,150	2.5
SV3"	30	250	LRB-200	5.0
SV4"	25	316	LRB-250,300	8.5

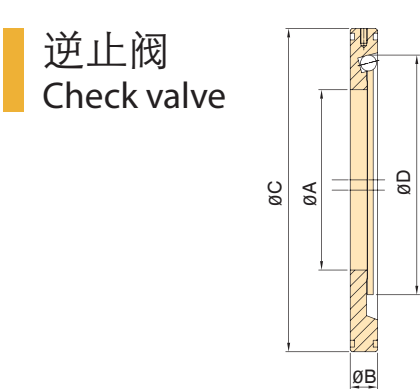


外形尺寸图（配用立式出口消音器）
Installation dimensions (vertical outlet silencer)



单位: (mm)

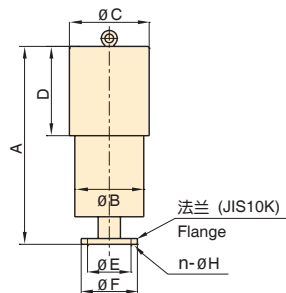
型号 Type	A	B	D	E	G	H	J	K	M	N	P	Q	R	S	T	U	h	Ød	n-Ød1	地脚螺栓 n-k	膨胀螺栓 n-k'
LRB-50	240	205	20	350	104	935	46	140	500	-	98	88	150	105	300	20	64	125	4-Ø18	4-M12x160	4-M12x120
LRB-65	302	245	20	410	112	951	80	157	620	-	119	148	150	115	350	24	54	145	4-Ø18		
LRB-80	315	275	20	410	114	1224	80	152	620	-	120	138	180	135	400	24	42	160	8-Ø18		
LRB-100	405.5	300	20	510	107	1404	100	180	670	-	112	160	180	150	450	24	60	180	8-Ø18		
LRB-125	467	350	20	560	127	1878	100	180	760	-	90	233	250	165	500	25	65	210	8-Ø18	4-M16x220	4-M12x120
LRB-150	500	430.5	22	556	168	2150	120	250	900	-	137.5	278	250	180	600	26	73	240	8-Ø22		
LRB-200	550	440	20	710	185	2264	160	356	1300	650	212	350	250	190	650	28	102	295	8-Ø22	6-M20x300	
LRB-250	620	530	30	940	195	2574	160	342.5	1300	650	311	454	250	230	750	28	76	350	12-Ø22		
LRB-300	760	685	30	940	255	2699	160	362	1530	765	248	470	300	250	820	181	65	400	12-Ø22		



单位: (mm)

型号 Type	ØA	B	ØC	ØD	重量 Weight (kg)	适用型号 Application type
DCV-50	25	20	104	52.7	1.1	LRB-50
DCV-65	36	24	124	65.9	1.4	LRB-65
DCV-80	46	24	134	78.1	1.6	LRB-80
DCV-100	67	24	159	102.3	2.3	LRB-100
DCV-125	88	25	190	126.6	3.4	LRB-125
DCV-150	108	26	220	151	5.0	LRB-150
DCV-200	138	28	270	200	10.0	LRB-200
DCV-250	185	28	335	251.4	18.0	LRB-250
DCV-300	-	181	380	300	48.0	LRB-300

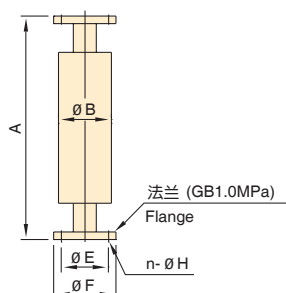
入口消音器 Suction silencer



单位: (mm)

型号 Type	A	ØB	ØC	D	ØE	ØF	n-ØH	重量 Weight (kg)	适用型号 Application type
SS50	550	140	160	270	120	155	4-Ø18	11.0	LRB-50
SS65	550	165	180	270	140	175	4-Ø18	14.7	LRB-65
SS80	820	210	230	440	150	185	8-Ø18	25.4	LRB-80
SS100	820	240	275	440	175	210	8-Ø18	28.0	LRB-100
SS125	1310	280	315	690	210	250	8-Ø22	42.0	LRB-125
SS150	1310	300	345	690	240	280	8-Ø22	45.3	LRB-150
SS200	1500	400	460	800	290	330	12-Ø22	67.8	LRB-200
SS250	1700	400	480	900	355	400	12-Ø22	81.2	LRB-250
SS300	1825	500	600	940	400	445	16-Ø22	108.0	LRB-300

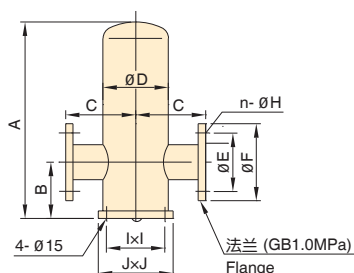
卧式出口消音器 Horizontal outlet silencer



单位: (mm)

型号 Type	A	ØB	ØE	ØF	n-ØH	重量 Weight (kg)	适用型号 Application type
DS50	592	140	125	165	4-Ø18	13.0	LRB-50
DS65	596	165	145	185	4-Ø18	16.8	LRB-65
DS80	796	218	160	200	8-Ø18	28.3	LRB-80
DS100	796	240	180	220	8-Ø18	33.3	LRB-100
DS125	1260	280	210	250	8-Ø18	45.1	LRB-125
DS150	1264	300	240	285	8-Ø22	49.1	LRB-150
DS200	1644	400	295	340	8-Ø22	84.0	LRB-200
DS250	1748	400	350	395	12-Ø22	97.0	LRB-250
DS300	1848	500	400	445	12-Ø22	135	LRB-300

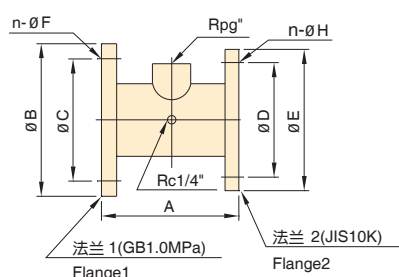
立式出口消音器 Vertical outlet silencer



单位: (mm)

型号 Type	A	B	C	ØD	ØE	ØF	n-ØH	I	J	重量 Weight (kg)	适用型号 Application type
VDS50	420	120	150	140	125	165	4-Ø18	125	160	19.0	LRB-50
VDS65	480	130	175	191	145	185	4-Ø18	170	210	27.0	LRB-65
VDS80	595	145	200	216	160	200	8-Ø18	190	235	36.9	LRB-80
VDS100	660	155	225	267	180	220	8-Ø18	230	280	51.8	LRB-100
VDS125	800	190	250	280	210	250	8-Ø18	240	300	65.9	LRB-125
VDS150	920	210	300	356	240	285	8-Ø22	290	376	99.6	LRB-150
VDS200	1050	256	325	406	295	340	8-Ø22	350	425	131.5	LRB-200
VDS250	1200	300	375	480	350	395	12-Ø22	400	500	184.3	LRB-250
VDS300	1300	350	410	520	400	445	12-Ø22	450	550	243.0	LRB-300

三通管 "T"-Joint

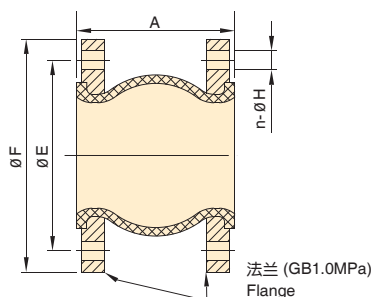


单位: (mm)

型号 Type	A	ØB	ØC	n-ØF	ØD	ØE	n-ØH	g	重量 Weight (kg)	适用型号 Application type
HJ50	150	165	125	4-Ø18	120	155	4-Ø18	1 1/4	7.3	LRB-50
HJ65	150	185	145	4-Ø18	140	175	4-Ø18	1 1/4	9.0	LRB-65
HJ80	180	200	160	8-Ø18	150	185	8-Ø18	1 1/4	9.6	LRB-80
HJ100	180	220	180	8-Ø18	175	210	8-Ø18	2	10.7	LRB-100
HJ125	250	250	210	8-Ø18	210	250	8-Ø22	2	14.5	LRB-125
HJ150	250	285	240	8-Ø22	240	280	8-Ø22	2	20.8	LRB-150
HJ200	250	340	295	8-Ø22	290	330	12-Ø22	3	26.0	LRB-200
HJ250	250	395	350	12-Ø22	355	400	12-Ø22	3	35.0	LRB-250
HJ300	300	445	400	12-Ø22	400	445	16-Ø22	3	44.7	LRB-300



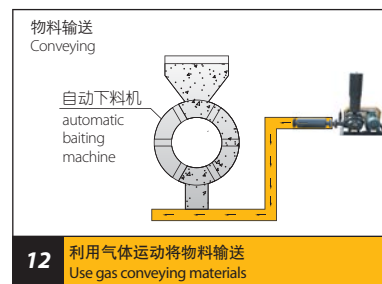
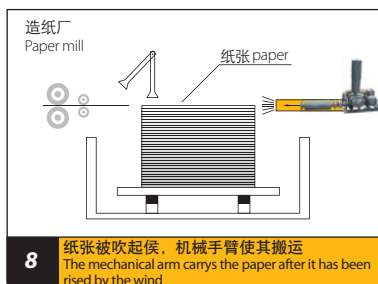
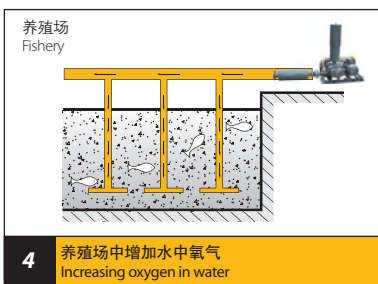
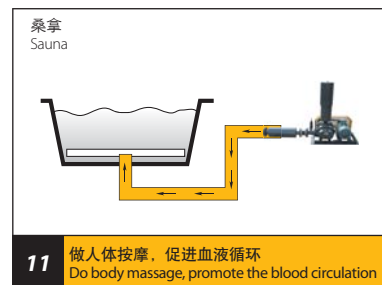
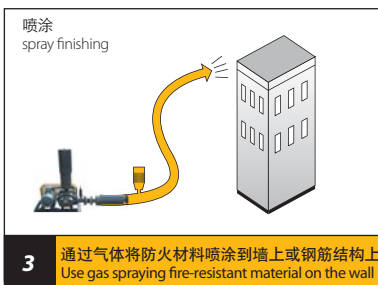
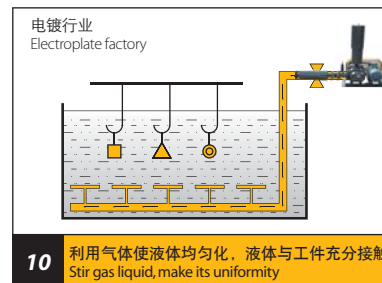
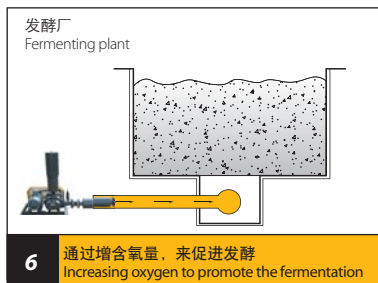
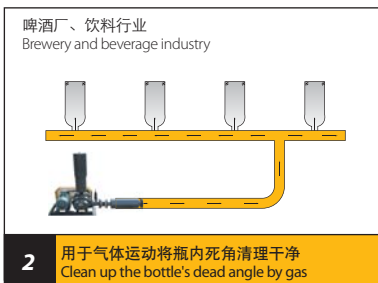
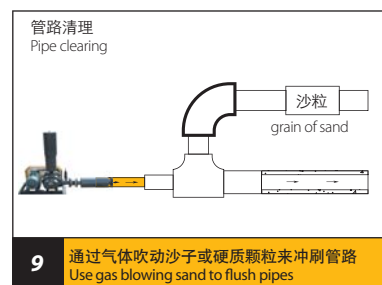
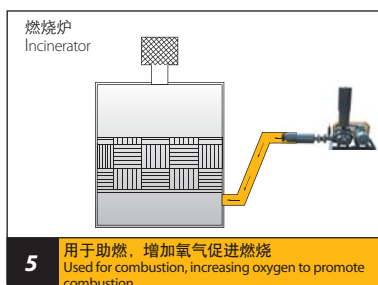
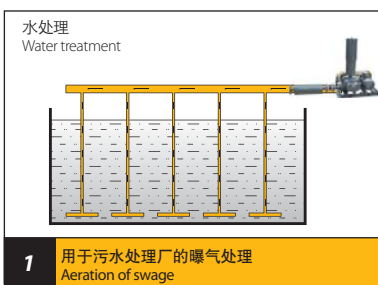
弹性接头 Flexible Connector



单位: (mm)

型号 Type	A	ØE	ØF	n-ØH	重量 Weight (kg)	适用型号 Application type
KXT50	105	125	165	4-Ø18	3.0	LRB-50
KXT65	115	145	185	4-Ø18	3.5	LRB-65
KXT80	135	160	200	8-Ø18	4.0	LRB-80
KXT100	150	180	220	8-Ø18	5.0	LRB-100
KXT125	165	210	250	8-Ø18	6.5	LRB-125
KXT150	180	240	285	8-Ø22	9.5	LRB-150
KXT200	190	295	340	8-Ø22	16.0	LRB-200
KXT250	230	350	395	12-Ø22	25.0	LRB-250
KXT300	250	400	445	12-Ø22	42.0	LRB-300

用途说明 Applications



Welcome to ask for the following product catalogue



Pump series

- Submersible pump series
- On land pump series
- Special pump series
- Fire fighting pump series



Mixing and flow Propeller series

- Mixer series
- Flow propeller series



Aerating oxygen Inputing series

- Aerator series
- Disc diffuser series
- Diffuser series



Blower series

- Three-lobe roots blower series
- Pressure boost roots blower



Sludge treatment equipment and others

- Solid liquid separation series
- Dissolving equipment
- Conveying equipment



GSD Industrial Co.,Ltd

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