

*本样本的内容因技术改进而变更，不另行通知，以实物为准，请予以谅解。

—— 顾客至上 质量第一 ——
Customer first Quality First



瀚腾风机

HANTENG BLOWER



山东瀚腾环保设备有限公司

SHANDONG HANTENG ENVIRONMENTAL PROTECTION EQUIPMENT CO., LTD

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山东瀚腾环保设备有限公司

Shandong Hanteng Environmental Protection Equipment Co., Ltd

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公司简介

COMPANY PROFILE

山东瀚腾环保设备有限公司，成立于2020年5月份，位于山东省济南市章丘区，注册资金伍佰万元。

公司以现代化科学管理模式，依托国内风机行业知名专家及名牌大学，引用精益求精的工艺技术，配以先进的生产设备及严格的检测手段，坚持“视质量为企业生存之本”的创业思想作为博得市场的先决条件，全面赢得客户的一致好评和良好的社会信誉。

主要生产：罗茨鼓风机、各类环保设备、通风设备、蒸汽压缩机、水环泵、离心风机、各类节能设备、渣浆泵、供料器、除尘器、气力输送设备、颗粒机等设备。

公司奉行“顾客至上、质量第一”的销售服务宗旨，积极开拓国内外市场业务，给客户带去高效回报和优质服务，让客户认同，使客户满意。

Shandong Hanteng Environmental Protection Equipment Co., Ltd. was established in May 2020, located in Zhangqiu District, Jinan City, Shandong Province, with a registered capital of five million yuan.

The company adopts a modern scientific management model, relies on well-known experts in the domestic wind turbine industry and prestigious universities, adopts the pursuit of excellence in process technology, equipped with advanced production equipment and strict testing methods, and adheres to the entrepreneurial concept of "quality as the foundation of enterprise survival" as a prerequisite for winning the market, comprehensively winning unanimous praise from customers and a good social reputation.

Main production: Roots blowers, various environmental protection equipment, ventilation equipment, steam compressors, water ring pumps, centrifugal fans, various energy-saving equipment, slurry pumps, feeders, dust collectors, pneumatic conveying equipment, pellet machines and other equipment.

The company adheres to the sales and service tenet of "customer first, quality first", actively explores domestic and international market business, brings efficient returns and high-quality services to customers, makes customers recognize and satisfy.

海纳百川 有容乃大



部分产品展示

PARTIAL PRODUCT DISPLAY



HTSR (普通型)

- 口径: $\phi 50 - \phi 350\text{mm}$
- 流量: $0.50 - 226\text{m}^3/\text{min}$
- 压力: $9.8 - 98\text{kPa}$



HTSR-V (罗茨真空泵)

- 口径: $\phi 50 - \phi 350\text{mm}$
- 流量: $0.50 - 223\text{m}^3/\text{min}$
- 压力: 大气压- 73.5kPa



HTSR-S (双级串联罗茨风机)

- 流量: $6.25 - 207\text{m}^3/\text{min}$
- 升压 $98\text{kPa} - 196\text{kPa}$

部分产品展示

PARTIAL PRODUCT DISPLAY



HTSR-B (不锈钢风机)

- 材质: 304、316、329
- 流量: $1.5 - 130\text{m}^3/\text{min}$
- 压力: $9.8 - 58.8\text{kPa}$



HTSR-Z (直连罗茨风机)

- 口径: $\phi 50 - \phi 350\text{mm}$
- 流量: $0.50 - 226\text{m}^3/\text{min}$
- 压力: $9.8 - 98\text{kPa}$



HT系列 (旋转供料器)

- 口径: $125\text{A} - 450\text{A mm}$
- 容积: $1.8 - 80.0\text{L/rev}$
- 电动机: $0.37 - 4.0\text{kW}$

HT系列(回转风机)

- 口径: $\phi 20 - \phi 80\text{mm}$
- 流量: $0.28 - 5.41\text{m}^3/\text{min}$
- 压力: $0.1 - 0.5\text{kgf/cm}^2$



罗茨鼓风机工作原理 Roots Blower Work Principle

罗茨风机为容积式风机，输送的风量与转数成比例，三叶型叶轮每转动一次由两个叶轮进行三次吸、排气、与两叶型相比，气体脉动变少，机械强度高，噪音低，振动也小。

在两根平行的轴上设有两个叶轮，叶轮与椭圆形机箱内孔面几个叶轮三者之间始终保持微小的间隙，由于叶轮互为反方向匀速旋转，使箱体与叶轮所包围着的一定数量的气体由吸入的一侧输送到排出的一侧。

Roots blower is a volumetric blower, the volume of air delivered is proportional to the number of revolutions. The three-bladed impeller is suctioned and exhausted three times by two impellers each time it rotates. Compared with the two-bladed type, the gas pulsation decreases and the mechanical strength is high. Low noise, vibration is small.

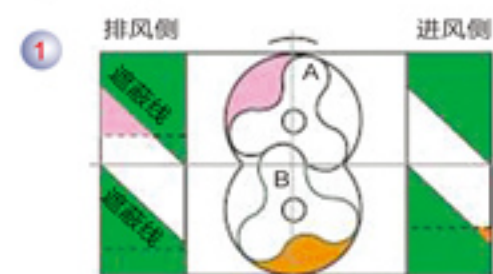
There are no two impellers on two parallel shafts. The impeller and several impellers in the oval inner surface of the oval frame keep a slight gap all the time. Since the impellers rotate at the same speed in opposite directions, the box body and the impeller are surrounded A certain amount of gas is delivered from the suction side to the discharge side.

罗茨鼓风机工作原理示意图 Schematic diagram

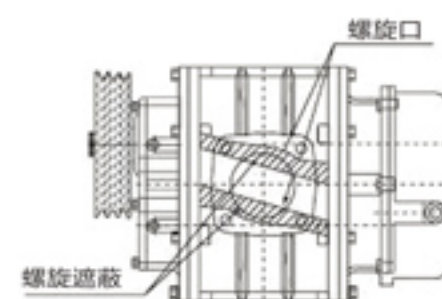


旧的罗茨鼓风机，无论两叶型、三叶型，其压缩原理是：转子顶端向排风口一线打开的瞬间，排风口的高压空气逆流于机壳之内进行压缩，这种逆流与压缩产生剧烈的压力变化形成了风机的噪声原因。本风机为消除这种因素而研究了螺旋形状。下图就本风机螺旋形状的要点对进行说明。

The old Roots blower, regardless of two-leaf type, three-leaf type, the compression principle is: the moment the rotor top to the vents open, the vent of the high-pressure air counterflow is expected to be compressed within the counter-current and compression. Generate dramatic changes in pressure formed fan noise causes. The fan to eliminate such factors and studied the spiral shape. The following figure describes the main points of the fan spiral shape.

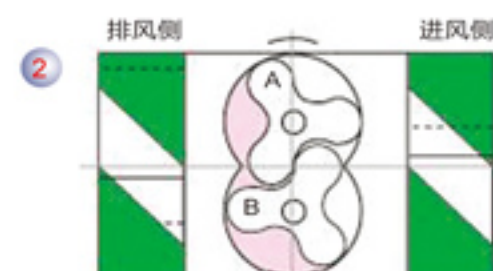


A转子：进风侧整个转子宽度都处于打开并开始循序闭合的状态。排风侧处于循序打开并且是打开一半以上的状态。
B转子：进风侧处于循序闭合并接近完全闭合的状态，排风侧处于没有打开单将要打开的状态。



Rotor A: The suction side is open over the full length thereof, and is about to close gradually. While, the discharge side is open half-way by opening gradually.

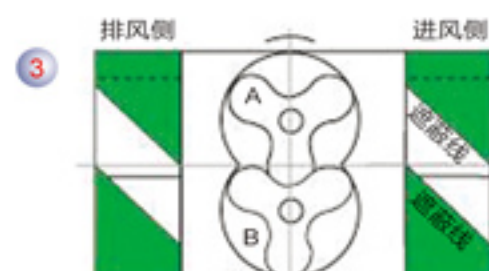
Rotor B: The suction side is almost fully closed by closing gradually. While, the discharge side is not yet open but is about to open.



A转子：进风侧整个转子处于较（1）闭合了一些的状态，斜线示出上的三角孔沿机壳遮壁线循序缩小。排风侧处于已排风完毕的状态。
B转子：进风侧处于即将到达机壳遮壁线的状态，排风排风过程中，三角孔循序打开的状态。

Rotor A: The suction side is a little more closed than case (1), where the shanded triangle port is going smaller gradually along with the screen line of casing. While, discharge has already been completed at the discharge side.

Rotor B: The suction side is immediately before going on to the screen line of casing. While, the discharge side is under the discharge process. where the triangle port is opning gradually.

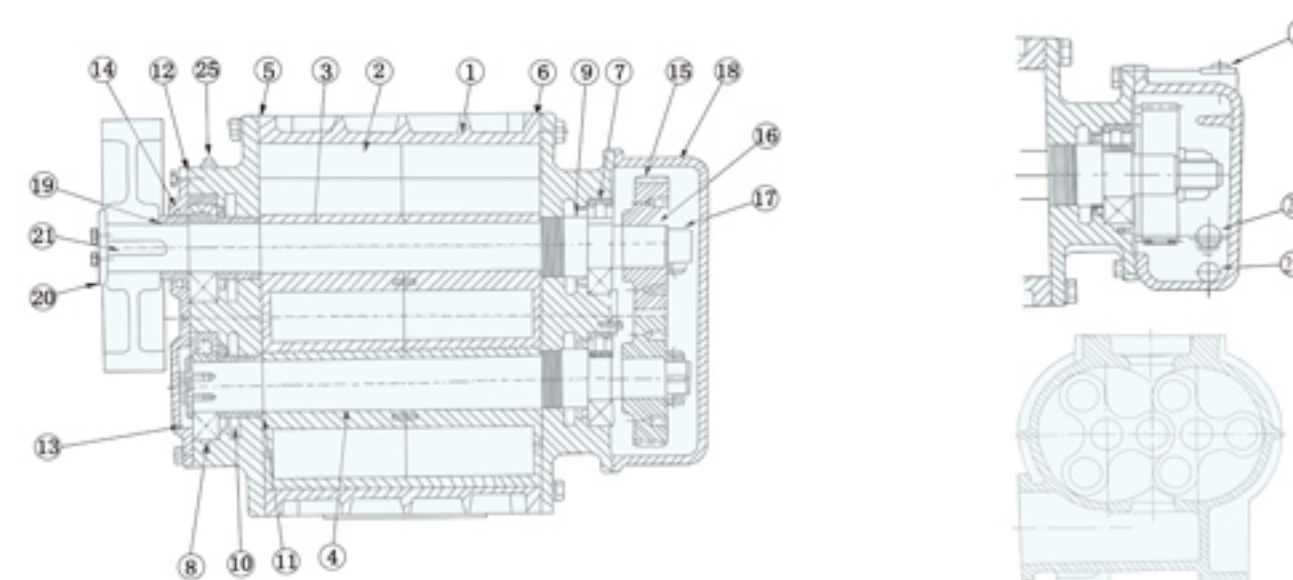


A转子：进风侧和排风侧都处于闭合状态，但排风侧处于即将打开的状态
B转子：进风侧刚刚进入闭合过程，处于循序闭合的状态，排风侧已循序打开，即将到达全开状态。

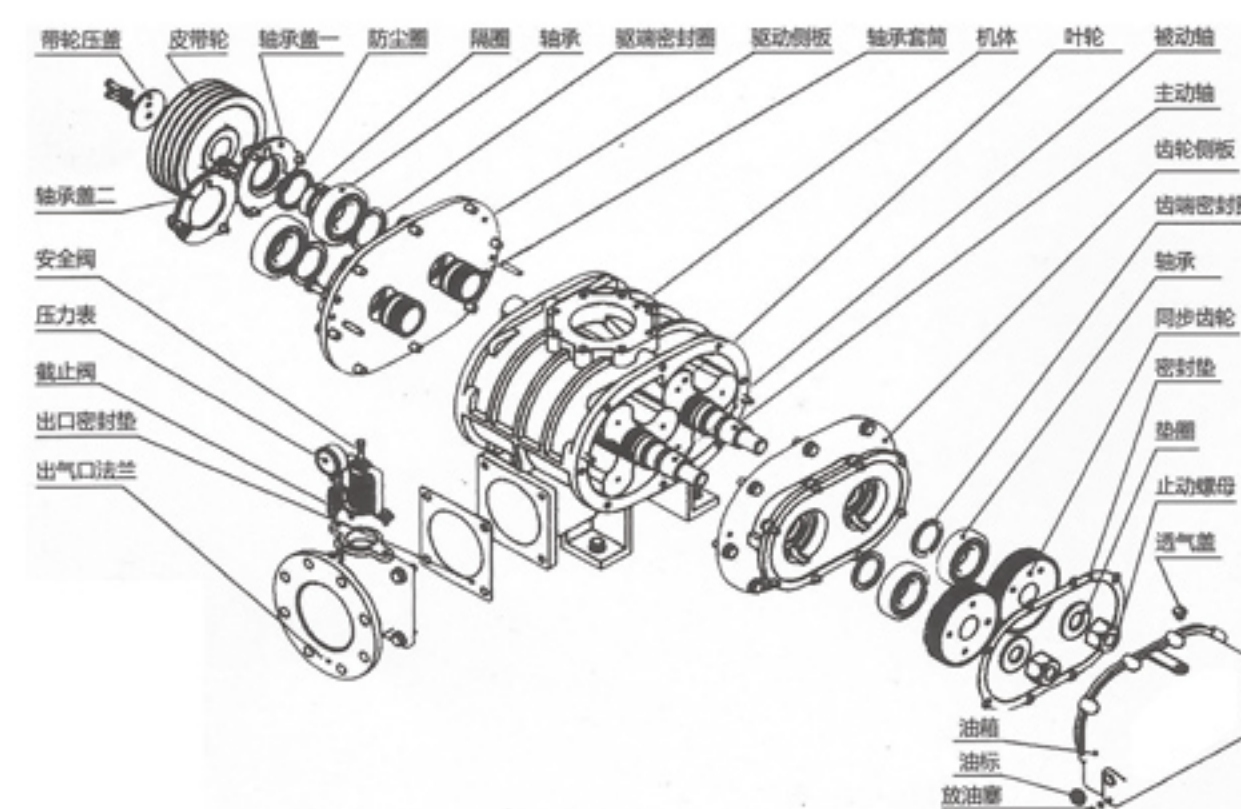
Rotor A: Both of the suction and discharge sides are closed and immediately before opening at the discharge side.

Rotor B: The closing process has discharge side is immediately before fullopening by opening gradually.

罗茨风机构造示意图 Roots Blower Work Principle

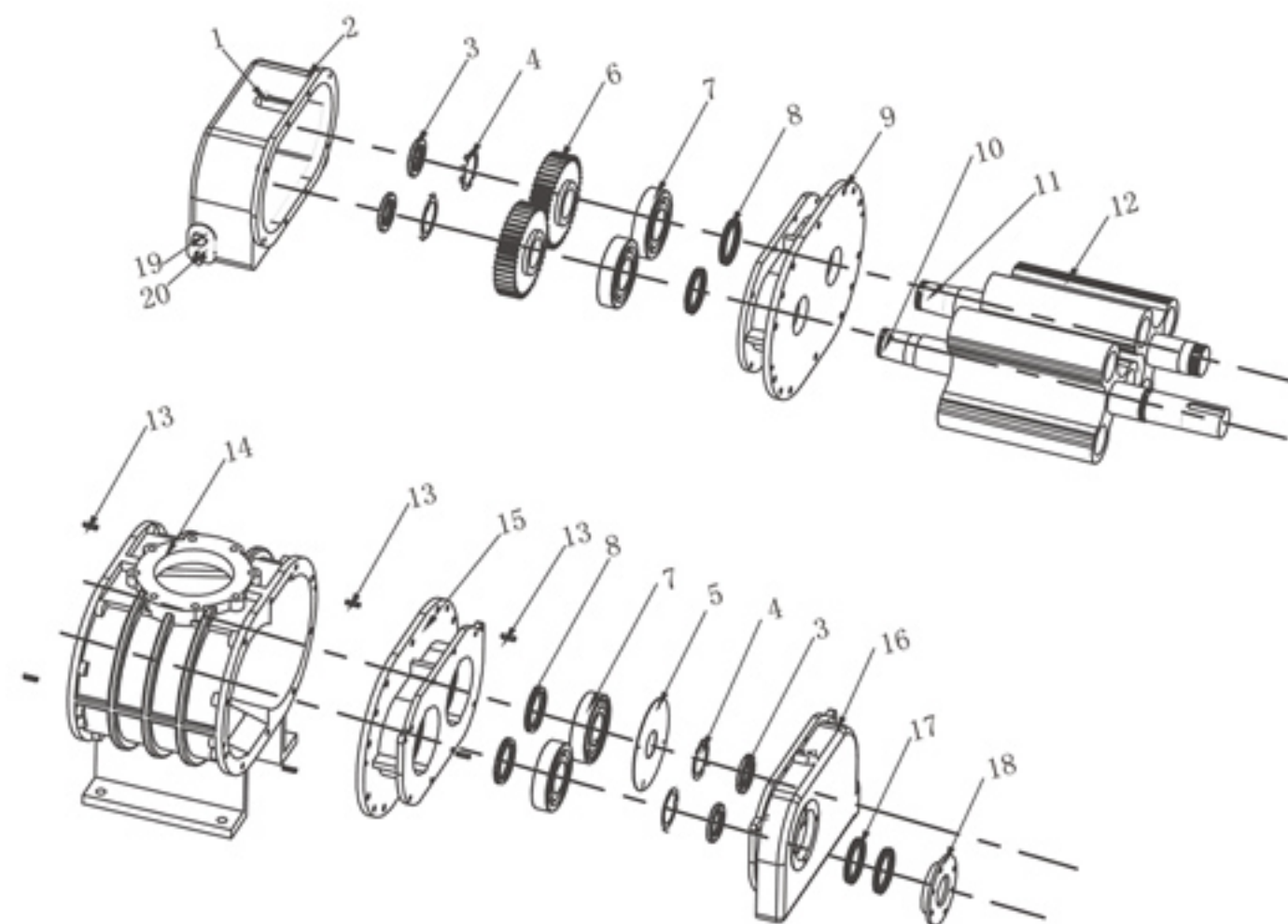


NO.	名称 Name	材质 Material	数量 Quantity	NO.	名称 Name	材质 Material	数量 Quantity	NO.	名称 Name	材质 Material	数量 Quantity
1	机壳 Casing	HT200	1	10	驱动密封圈 Stop Ring(Drive Side)	丁晴胶	2	19	轴套 Collar	45	1
2	叶轮 Impeller	HT200	2	11	轴承套筒 Bearing Sleeve	45	2	20	端盖 End Plate	A3	1
3	主动轴 Drive Shaft	45	1	12	主动轴承压盖 Bearing Cover (Drive Side)	HT200	1	21	平键 Parallel Key	45	1
4	从动轴 Driven Shaft	45	1	13	从动轴承压盖 Bearing Cover (Driven Side)	HT200	1	22	丝堵 Drain Plug	35	1
5	驱动侧板 Side Cover (Drive Side)	HT200	1	14	Z型密封圈 Z Seal	丁晴胶	1	23	油标 Oil Gauge		1
6	齿端侧板 Side Cover (Gear Side)	HT200	1	15	齿轮 Gear	SCM435	2	24	排气阀 Air Breather		1
7	从动轴承 Side Cover (Gear Side)	SUJ2	2	16	齿轮止动垫圈 Gear Lock Washer	A3	2	25	黄油杯 Grease Nipple	C3604	2
8	主动轴承 Bearing (Drive Side)	SUJ2	2	17	齿轮止动螺母 Gear Lock Nut	SS400	2	25	齿轮箱密封垫 Gear Case Packing	青稞纸	1
9	齿端密封圈 Stop Ring (Gear Side)	丁晴胶	2	18	齿轮箱 Gear Case	HT200	1				



组合示意图

Combination diagram



零件材质表 PARTS MATERIAL TABLE

序号	名称	材质	数量	序号	名称	材质	数量
1	加油栓塞 Lubrication	A3	2	11	从动轴 Driven shaft	45#	1
2	齿轮箱 Gear case	HT250	1	12	叶轮 Rotor	QT400	2
3	止动螺母 Lock nut	A3	4	13	定位销 Positioning pin	45#	6
4	垫圈 Washer	A3	4	14	机壳 Chassis	HT250	1
5	甩油片 Oil Splash	A3	2	15	驱动墙板 Drive side wall	HT250	1
6	齿轮 Gear	20CrMnTi	2	16	副油箱 Drop tank	HT250	1
7	轴承 Bearing	SUJ2	4	17	油封 Oil seal	丁晴胶	2
8	V型油封 V-ring	丁晴胶	4	18	油箱压盖 Fuel tank cap	HT250	1
9	齿端墙板 Wall board	HT250	1	19	油标 Oil standard	有机玻璃	2
10	主动轴 Drive shaft	45#	1	20	泄油栓塞 Purge plug	A3	2

风机用途实例

Examples of blower applications

鱼塘供养 罗茨风机 用于搅动水池沉淀物并净化水池	锅炉废气排放 罗茨风机 有助于锅炉燃烧，加快废气排出	喷砂机 罗茨风机 用作喷砂机喷射气源	喷雾器 罗茨风机 用于涂装等喷雾器供给不含油质的高压排气
畜粪发酵的堆肥 罗茨风机 加快家畜粪便的发酵堆肥	电镀槽 罗茨风机 为提高电镀质量，用鼓风机加速电解池中循环，对电解池供气。	煤气燃烧器 罗茨风机 高速空气使燃料充分雾化	空气刷 罗茨风机 高压无油空气是用于各个空气刷设备
烘干生产线 罗茨风机 用于小规模生产线的烘干	谷物传送 罗茨风机 用气体输送由回转式导向阀下来的小麦等谷物	颗粒传送 罗茨风机 用于输送氯化钠、聚乙烯等颗粒状原料	循环管路 罗茨风机 用于氨、二氧化碳、城市燃燃气
鱼塘供氧 罗茨风机 用于深水鱼塘的水下供氧	印刷机供纸 罗茨风机 用输出空气分开，校准和供纸使操作更简单	清洁管道 罗茨风机 用于更换和检修管道时，管内污物的去除	瓶罐清洗 罗茨风机 用于冲洗瓶罐后内壁附沫水滴的清除
压力机械 罗茨风机 用于工件成型后的脱模	桑拿浴 罗茨风机 桑拿浴有益于健康	逆洗 罗茨风机 过滤材料和过滤的逆洗	压载泵 罗茨风机 用于液体化学品的船的卸载和其他压在泵

HTSR 型罗茨风机性能参数表

Performance parameter table of HTSR type Roots blower

La所需动力(KW)Required electric power (KW) Qs进风状态风量(m³/min) Suction-phase air volume(m³/min)

1.1KW 1.5KW 2.2KW 3KW 4KW 5.5KW 7.5KW 11KW 15KW

型式 Type	口径 Bore	转速 rpm	排出压力 (kgf/cm2)Discharge Pressure																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
			0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60

HTSR 型罗茨风机性能参数表
Performance parameter table of HTSR type Roots blower

La所需功率(KW)/Required electric power (KW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)		排出压力 P (kgf/cm2)Discharge Pressure																							
		0.10		0.15		0.20		0.25		0.30		0.35		0.40		0.45		0.50		0.55		0.60		转速 rpm	
型式 Type	口径 Bore	9.8kPa		14.7kPa		19.6kPa		24.5kPa		29.4kPa		34.3kPa		39.2kPa		44.1kPa		49kPa		53.9kPa		58.8kPa		La	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
HTSR 150A	150 mm	810	12.01	3.85	11.76	5.00	11.54	6.20	11.35	7.30	11.15	8.50	11.00	9.60	10.86	10.80	10.76	11.95	10.65	13.20	10.52	14.40	10.39	15.60	810
		860	12.80	4.40	12.62	5.60	12.40	6.86	12.20	8.05	12.03	9.30	11.86	10.45	11.75	11.70	11.65	13.00	11.54	14.25	11.40	15.51	11.27	16.80	860
		970	14.70	5.58	14.50	7.00	14.30	8.30	14.10	9.66	13.95	11.05	13.80	12.40	13.70	13.80	13.60	15.20	13.50	16.60	13.35	18.00	13.23	19.40	970
		1110	17.08	7.00	16.90	8.60	16.70	10.15	16.52	11.70	16.37	13.10	16.25	14.80	16.15	16.50	16.05	18.00	15.95	19.60	15.85	21.20	15.70	22.80	1110
		1180	18.25	7.80	18.10	9.45	17.92	11.10	17.73	12.70	17.59	14.40	17.47	16.00	17.37	17.80	17.27	19.40	17.17	21.10	17.07	22.80	16.97	24.40	1180
		1240	19.27	8.45	19.10	10.20	19.95	11.90	18.77	13.60	18.63	15.40	18.53	17.07	18.43	18.90	18.33	20.70	18.23	22.40	18.13	24.20	18.03	25.80	1240
		1400	22.00	10.20	21.83	12.10	21.70	14.00	21.55	15.95	21.40	17.90	21.30	19.91	21.20	21.90	21.15	23.85	21.05	25.80	20.97	27.90	20.87	29.70	1400
		1520	23.93	11.65	23.80	13.80	23.68	15.90	23.52	18.00	23.40	20.15	23.30	22.30	23.21	24.60	23.13	26.70	23.04	28.90	22.95	31.20	22.82	33.30	1520
		1620	25.42	13.40	25.30	15.60	25.15	18.00	25.00	20.40	24.86	22.60	24.75	25.00	24.68	27.40	24.58	29.65	24.48	32.05	24.40	34.40	24.27	36.90	1620
		1730	27.05	15.30	26.92	17.60	26.77	20.20	26.61	22.90	26.48	25.30	26.35	27.90	26.27	30.40	26.17	33.00	26.08	35.55	26.00	38.00	25.87	40.80	1730
HTSR 175A	150 mm	970	22.72	9.13	22.20	10.19	22.13	11.25	21.63	13.55	21.05	15.46	20.85	17.57	20.53	19.65	20.21	21.75	20.12	23.87	19.83	26.03	19.65	28.14	970
		1110	26.75	10.73	26.54	11.94	26.33	13.14	25.83	15.53	26.04	17.93	25.24	20.33	24.83	22.73	24.55	25.10	24.23	27.53	24.07	29.93	23.95	32.33	1110
		1180	28.65	11.24	28.50	12.54	28.35	13.84	27.96	16.35	27.55	18.95	27.17	21.47	26.83	24.07	26.57	26.63	26.34	29.15	26.15	31.74	25.95	34.26	1180
		1240	30.25	12.10	30.10	13.43	29.94	14.75	29.53	17.47	29.15	20.16	28.85	22.85	29.55	25.54	28.27	28.24	28.05	30.93	27.84	33.56	27.63	36.26	1240
		1400	34.22	15.45	33.93	16.70	33.65	18.54	33.35	21.65	33.26	24.54	32.83	27.57	32.55	30.64	32.33	33.63	32.03	36.65	31.82	39.71	31.62	42.76	1400
		1520	36.65	16.35	36.54	17.80	36.43	19.64	36.03	22.94	35.73	26.23	35.35	29.52	35.17	32.83	34.95	36.07	34.64	39.37	34.53	43.65	34.25	45.95	1520
		1620	38.67	10.30	38.52	21.13	39.36	22.87	38.03	26.43	37.84	29.94	37.43	33.42	38.15	36.96	36.96	40.43	36.65	43.95	36.55	47.45	36.35	50.97	1620
		1730	40.54	21.24	40.35	23.14	40.17	25.03	38.85	28.74	39.64	32.53	39.43	36.24	39.15	40.03	38.94	43.74	36.71	47.53	38.63	51.24	38.45	55.03	1730
		810	31.77	8.05	31.19	11.28	30.52	14.65	29.98	17.60	29.55	20.68	29.21	23.83	28.89	26.94	28.57	29.22	28.22	33.16	27.91	36.05	27.63	39.05	810
		900	35.68	9.95	35.05	13.48	34.49	17.10	34.04	20.44	33.66	24.00	33.26	27.53	33.05	29.93	32.73	34.40	32.34	37.83	32.03	41.02	31.71	44.38	900
HTSR 200A	200 mm	980	39.15	11.58	38.53	15.50	38.08	19.38	37.66	22.93	37.34	27.18	37.05	30.78	36.77	34.55	36.41	38.23	36.03	42.02	35.68	45.52	35.34	49.38	980
		1070	43.03	13.46	42.50	17.81	42.04	21.24	41.68	25.82	41.44	30.13	41.17	34.43	40.97	38.88	40.56	42.65	40.15	46.82	39.77	50.71	39.42	54.95	1070
		1150	46.50	15.18	46.04	19.95	45.55	23.71	45.31	28.13	45.07	32.71	44.85	37.26	44.60	42.02	44.21	46.62	43.78	50.98	43.42	55.09	43.06	59.74	1150
		1230	49.60	17.09	49.16	21.94	48.74	26.43	48.45	31.28	48.22	36.26	48.00	41.25	47.78	46.08	47.49	50.78	47.08	55.53	46.76	59.83	46.44	64.80	1230
		1310	52.67	19.65	52.22	24.34	51.86	29.20	51.57	34.28	51.38	39.66	51.18	44.88	50.99	50.18	50.69	55.09	50.40	59.96	50.10	64.53	49.83	69.72	1310
		1390	55.77	21.31	54.31	26.64	54.96	31.88	54.72	37.46	54.49	42.92	54.35	48.52	54.16	54.22	53.91	59.28	53.68	64.48	53.49	69.16	53.24	74.60	1390
		1480	59.20	23.80	58.83	28.96	58.46	34.37	58.24	40.42	58.02	46.58	57.89	42.36	57.76	58.19	57.57	63.62	57.37	68.88	57.22	74.22	57.08	80.18	1480

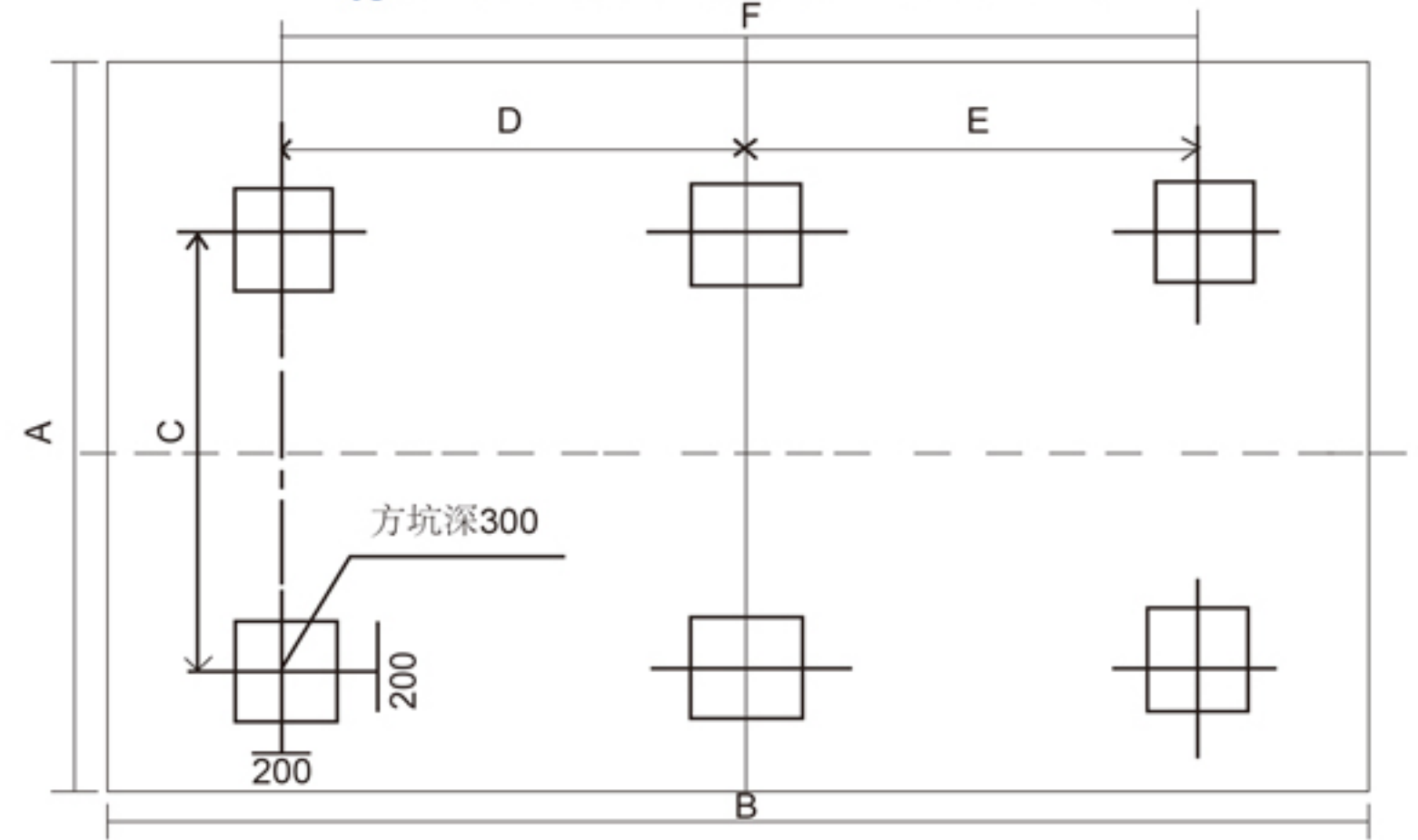
HTSR 型罗茨风机性能参数表

Performance parameter table of HTSR type Roots blower

La所需动力(KW)Required electric power (KW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)			排出压力 (kgf/cm2)Discharge Pressure																								
			0.10		0.15		0.20		0.25		0.30		0.35		0.40		0.45		0.50		0.55		0.60		转速 rpm		
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La			
型式 Type	口径 Bore	转速 rpm																									
	☆	990	89.30	26.40	88.90	32.00	88.70	46.10	88.50	55.30	88.30	64.30	88.10	73.40	87.90	73.20	87.60	77.10	87.40	94.30	87.10	108.8	990				
		1170	108.0	27.30	106.5	35.50	105.0	43.70	104.7	54.40	104.0	65.00	104.1	75.90	103.8	86.40	103.5	90.60	103.2	101.1	102.9	110.1	102.7	128.4	1170		
		1250	114.8	28.10	113.5	37.40	112.2	46.70	111.8	58.20	111.6	69.80	111.6	81.30	111.4	92.80	111.2	97.80	111.0	108.8	110.8	119.6	110.6	138.2	1250		
HTSR 300A	300 mm	1360	127.0	34.00	126.0	43.00	125.0	52.10	124.8	64.50	124.6	77.50	124.4	90.70	124.2	103.4	124.0	109.1	123.8	121.3	123.6	133.5	123.4	154.2	1360		
		1480	138.1	35.00	137.0	45.50	135.9	56.20	135.8	70.60	135.6	84.30	135.3	98.60	135.1	112.5	134.9	118.7	134.7	132.1	134.5	145.3	134.3	167.8	1480		
		990	108.0	31.92	107.78	31.32	107.54	38.69	107.29	55.76	107.05	66.89	106.81	77.77	106.57	88.78	106.33	88.54	105.96	93.25	105.72	114.06	105.36	131.60	990		
HTSR 300B	300 mm	1170	130.64	33.02	128.83	42.94	127.01	52.89	126.65	65.80	126.41	78.62	125.92	91.80	125.56	104.51	125.20	109.59	124.83	122.28	124.47	133.17	124.23	155.31	1170		
		1250	138.87	33.99	137.29	45.23	135.72	56.48	135.48	70.40	135.24	84.43	135.00	98.34	134.75	111.25	134.51	118.30	134.27	131.60	134.03	144.67	133.79	167.17	1250		
		1360	153.62	41.12	152.41	52.01	151.20	63.02	150.96	78.02	150.72	93.74	150.48	109.71	150.24	125.07	150.00	131.97	149.75	146.72	149.51	161.48	149.27	186.52	1360		
		1480	167.05	42.33	165.72	55.03	164.39	67.98	164.27	85.40	164.03	101.97	163.66	119.26	163.42	136.08	163.18	143.58	162.94	159.79	162.70	175.76	162.45	202.97	1480		
		990	122.40	36.17	121.26	39.73	121.87	43.84	121.59	63.19	121.32	75.80	121.05	88.13	120.77	100.60	120.50	100.33	120.08	105.67	119.81	129.26	119.40	149.13	990		
		1170	148.05	37.42	146.00	48.62	143.94	59.94	143.43	74.51	143.26	89.09	142.70	104.03	142.30	118.44	141.89	124.19	141.47	138.58	141.06	150.91	140.79	176.01	1170		
HTSR 300C	300 mm	1250	157.38	38.40	155.59	51.25	153.81	64.00	153.54	79.78	153.27	95.68	153.00	111.45	152.71	126.07	152.44	134.06	152.17	149.14	151.90	163.95	151.62	189.61	1250		
		1360	174.10	46.60	172.73	58.94	171.36	71.42	171.08	88.41	170.87	106.27	170.27	124.33	170.27	141.74	170.00	149.56	169.71	166.27	169.44	183.05	169.17	211.38	1360		
		1480	189.32	47.97	187.81	62.36	186.30	77.04	186.17	96.78	185.90	115.08	185.48	135.16	185.20	154.21	184.93	162.71	184.66	181.09	184.39	199.19	184.11	230.03	1480		
		650	120.70	29.00	118.60	40.00	116.60	51.00	115.00	62.00	113.40	73.00	111.90	85.00	110.50	96.00	109.20	107.90	107.90	118.00	106.70	129.00	105.50	140.0	650		
		730	137.20	32.00	135.10	45.00	133.10	57.00	131.50	70.00	129.90	82.00	128.40	95.00	127.00	107.0	125.70	120.00	124.40	132.00	132.00	145.00	122.00	157.00	730		
		800	151.60	35.00	149.50	49.00	147.50	63.00	145.50	77.00	144.30	90.00	142.50	104.0	141.40	118.0	140.10	132.00	138.80	145.00	137.60	158.00	136.40	172.00	800		
HTSR 350	350 mm	880	168.10	39.00	166.00	54.00	164.00	69.00	162.40	84.00	160.80	99.00	159.00	114.0	157.90	129.0	156.60	144.00	155.30	159.00	154.10	175.00	152.90	190.00	880		
		980	188.70	43.00	186.60	60.00	184.60	76.00	183.00	93.00	181.40	110.0	179.50	127.0	178.50	144.0	177.20	161.00	175.90	178.00	174.50	195.00	173.50	211.00	980		

注：1、所选电机一般为4极电机，另转速调整极数。2、“☆”的也可参照电机转速用于直联传动。
Note: 1. The selected motor is generally four-pole, the number of poles can be adjusted subject to the speed.
2. The type with "☆" also can be used for the direct-drive refer to the speed of motor

HTSR 风机地基安装图 Type HTSR Pressure Blower Chart of Installation



皮带传动尺寸表 Chart of belt transmission dimension

型号(Type)	50	65	80	100	125	150	175	200	230	250A	300A	300B	350
A	670	710	730	810	840	950	1080	1150	1260	1234	1484	1484	1700
B	810	850	900	980	1110	1150	1250	1400	1700	2100	2100	2100	2400
C	260	300	320	400	420	540	750	700	800	920	980	980	1200
D					350	400	450	500	600	850	850	850	850
E	—	—	—	—	350	400	450	500	600	850	850	850	850
F	400	500	500	630	700	800	900	1000	1200	1700	1700	1700	1700

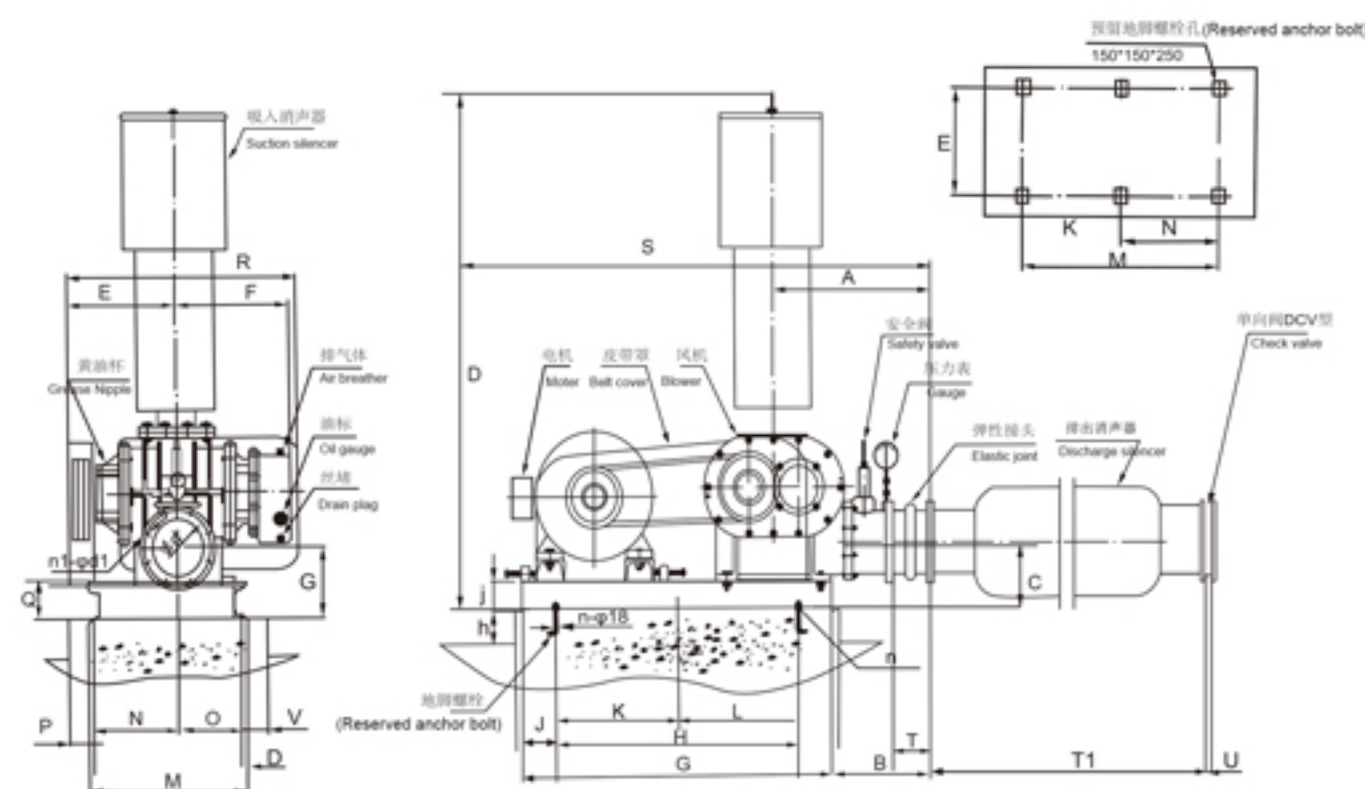
直联传动尺寸表 Direct connected transmission dimension

型号(Type)	50	65	80	100	125	150	175	200	230	250A	300A	300B	350
A	700	740	760	800	850	920	1000	1040	1040	1250	1250	1600	1900
B	1020	1080	1150	1320	1400	1650	1900	2050	2250	2600	2760	3400	3400
C	260	300	320	400	420	540	750	700	800	920	980	980	1200
D	420	440	500	630	355	475	600	650	750	900	900	1200	1200
E	—	—	—	—	355	475	600	650	750	900	900	1200	1200
F	420	440	500	630	700	950	1200	1300	1500	1800	1800	2400	2400

说明：A、B为基础台尺寸，可视地面状况自行选择离地高度（一般为0-300mm）
Explanation: A and B are the dimension of the foundation; the above ground level can be chosen according to the ground situation (0-300mm in general).

HTSR 型风机外形尺寸图（皮带传动）

Type HTSR blowers outline dimensions(Leather belt transmission)



单位 (Unit):mm

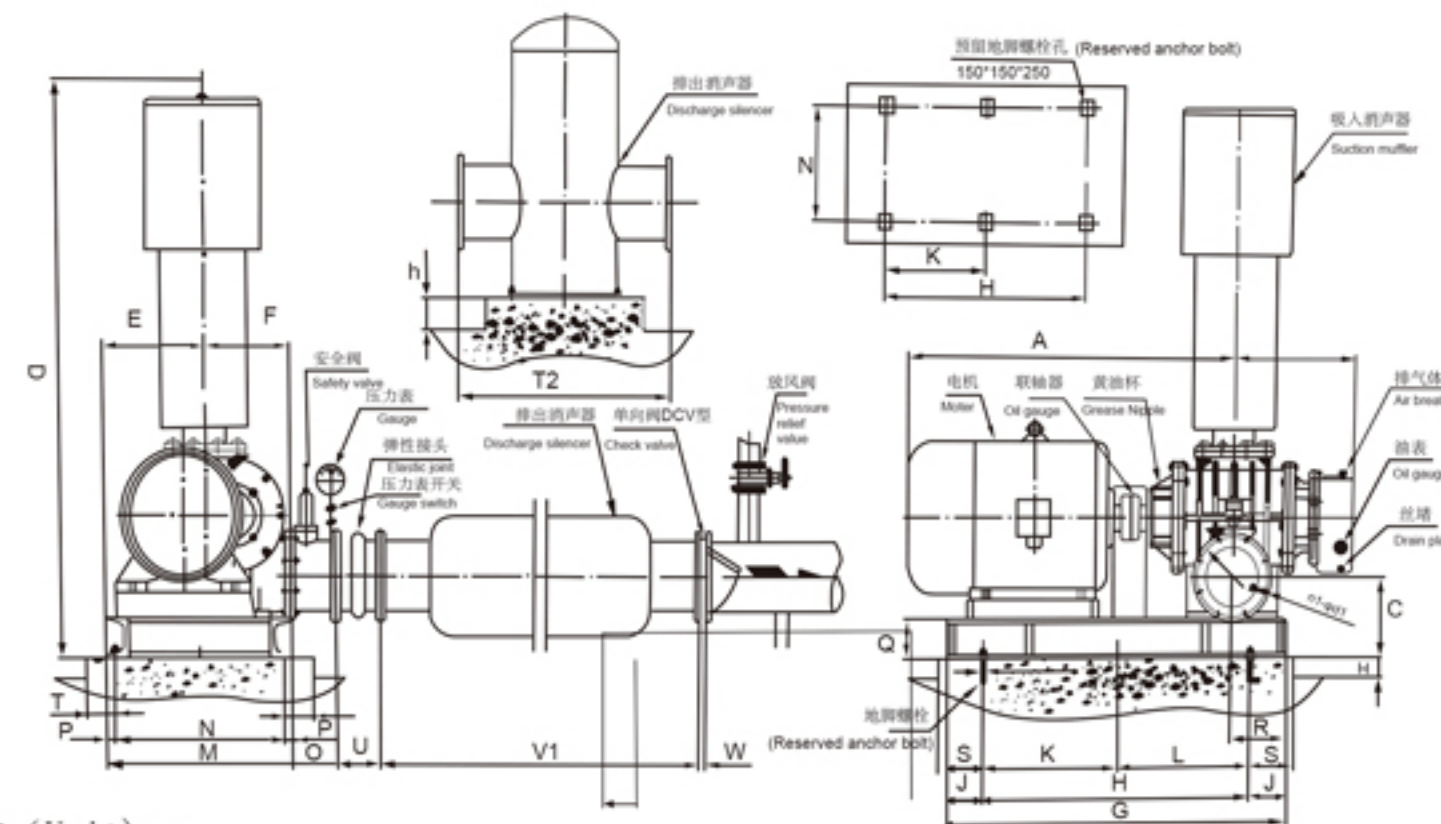
型号 Type	记号 Mark	A	B	C	D	E	F	G	H	J	K
HTSR-50		240	140	120	840	220	210	560	400	80	—
HTSR-65		230	130	135	910	250	220	600	500	50	—
HTSR-80		300	185	150	1150	260	225	650	550	50	—
HTSR-100		310	150	170	1220	295	270	730	630	50	—
HTSR-125		370	190	195	1420	390	300	860	700	80	350
HTSR-150		420	245	220	1700	401	301	960	800	80	400
HTSR-175		420	245	220	1700	490	390	1150	900	125	450
HTSR-200		520	300	235	2110	555	490	1280	1000	140	500
HTSR-230		520	300	235	2110	630	565	1400	1200	100	600
HTSR-250A		760	350	425	2700	569	596	1900	1700	100	850
HTSR-300A		760	205	430	2800	890	890	1900	1700	100	850
HTSR-350A		760	205	470	2820	655	681	1900	1700	100	850

型号 Type	记号 Mark	L	M	T	T1	N	O	P	Q	n	R	S	重量(kg)
HTSR-50			300	105	600	148	112	15	80	4	430	700	70
HTSR-65			340	115	700	165	135	15	80	4	500	730	81
HTSR-80			360	135	900	158	162	15	80	4	485	835	123
HTSR-100			440	150	1200	195	205	15	80	4	565	925	157
HTSR-125		350	470	165	1400	195	235	15	100	6	710	1050	235
HTSR-150		400	590	180	1600	275	265	20	100	6	702	1385	394
HTSR-175		450	750	180	1600	360	340	20	100	6	880	1395	495
HTSR-200		500	750	190	1800	360	340	25	126	6	1045	1580	860
HTSR-230		600	850	190	1800	420	380	25	126	6	1195	1580	1050
HTSR-250A		850	950	230	2000	540	350	38	200	6	1165	2150	1653
HTSR-300		850	1050	205	2000	570	420	38	200	6	1780	2105	2100
HTSR-350		850	1280	205	2000	600	600	38	200	6	1780	2205	2600

注：重量中不包括电机消音器重量。大型风机底座随电机功率大小定。用户可根据现场用出口消音器T1或T2。
Note: weight dose not include motor silencer weight large fan base with motor power size user according to the site T1or T2outlet silencer

HTSR 型风机外形尺寸图（直联）

Type HTSR blowers outline dimensions(direct connect)



单位 (Unit):mm

型号 Type	记号 Mark	A	B	C	D	E	G	J	H	K	L	M	N	O
HTSR-50		570	179	125	895	152	540	60	420	—	—	260	220	110
HTSR-65		610	202	135	970	192	600	80	440	—	—	300	260	110
HTSR-80		720	225	150	1130	217	650	75	500	—	—	370	330	110
HTSR-100		920	265	160	1255	234	850	110	630	—	—	400	360	110
HTSR-125		965	294	190	1515	260	920	105	710	355	355	430	390	134
HTSR-150		1185	377	210	1730	305	1150	100	950	475	475	500	455	125
HTSR-200		1600	550	256	2210	405	1600	150	1300	650	650	650	605	200
HTSR-250		1867	596	425	2700	520	2200	200	1800	900	900	1030	980	250
HTSR-300		2197	683	430	2800	520	2500	250	2000	1000	1000	1030	980	260
HTSR-350		2630	920	370	3200	601	2800	350	2100	700	700	1240	1176	300

型号 Type	记号 Mark	Q	R	S	T	U	V1	V2	W	h	n	n-φ	重量(kg)
HTSR-50		80	60	100	100	105	600	300	19	100	4	4-φ18	70
HTSR-65		80	80	100	100	115	700	350	19	100	4	4-φ18	81
HTSR-80		80	75	100	100	135	900	400	19	100	4	8-φ18	123
HTSR-100		80	110	100	100	150	1200	450	19	100	4	8-φ18	157
HTSR-125		100	105	100	100	165	1400	500	21	100	6	8-φ18	235
HTSR-150		100	165	120	120	180	1600	600	24	100	6	8-φ22	394
HTSR-200		120	240	150	150	190	1800	650	29	100	6	8-φ22	900
HTSR-250		160	250	250	200	230	2000	700	30	100	6	12-φ22	1758
HTSR-300		160	270	250	200	245	2000	1120	40	100	6	12-φ22	2256
HTSR-350		180	405	450	200	255	2000	1120	45	100	8	16-φ22	3450

注：重量中不包括电机消音器重量。大型风机底座随电机功率大小定。用户可根据现场用出口消音器T1或T2。
Note: weight dose not include motor silencer weight large fan base with motor power size user according to the site T1or T2outlet silencer

HTSR 型高压罗茨风机性能参数表
Performance parameter table of HTSR high-pressure Roots blower

La所需动力(KW)Required electric power (KW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)		排出风压 Pj (kgf/cm²)Discharge Pressure												转速 rpm					
		0.65		0.70		0.75		0.80		0.85		0.90				0.95		1.0	
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La			Qs	La	Qs	La
型式 Type	口径 Bore	1100	1230	1350	1430	1530	1640	1730	1840	1950	2120	2300	1100	1230	1350	1430	1530		
		0.61	2.01	0.56	2.39	0.52	2.75	0.49	3.12	0.46	3.03	0.41	3.35	0.38	3.98	0.35	4.31		
HTSR 50A	50 mm	0.78	2.05	0.73	2.24	0.69	2.49	0.65	2.76	0.61	3.37	0.56	3.95	0.50	4.17	0.45	4.65		
		0.95	2.23	0.90	2.48	0.86	2.76	0.81	3.06	0.78	3.40	0.69	4.01	0.65	4.32	0.61	4.65		
		1.06	2.35	1.01	2.61	0.97	2.90	0.93	3.23	0.90	3.68	0.87	4.05	0.81	4.48	0.72	4.81		
		1.22	2.55	1.19	2.83	1.16	3.18	1.13	3.57	1.08	3.88	0.96	4.20	0.90	4.61	0.85	5.10		
		1.38	2.75	1.35	3.16	1.32	3.32	1.29	3.89	1.24	4.27	1.18	4.43	1.13	4.80	1.06	5.20		
		1.50	2.93	1.46	3.25	1.42	3.54	1.39	3.91	1.31	4.38	1.26	4.70	1.22	5.12	1.14	5.50		
		1.65	3.15	1.60	3.35	1.56	3.64	1.51	3.96	1.46	4.43	1.40	4.92	1.35	5.30	1.28	5.70		
		1.78	3.42	1.75	3.65	1.71	3.97	1.68	4.31	1.62	4.60	1.57	5.10	1.50	5.53	1.45	5.92		
		2.02	3.77	1.98	3.97	1.95	4.21	1.91	4.53	1.83	4.80	1.75	5.30	1.70	5.75	1.63	6.12		
		2.31	4.43	2.24	4.35	2.20	4.57	2.17	4.81	2.12	5.20	2.07	5.50	2.03	6.01	1.98	6.32		
HTSR 65A	65 mm	0.89	2.52	0.85	2.86	0.80	3.22	0.76	3.58	0.71	3.94	0.66	4.30	0.62	4.66	0.57	5.02		
		1.13	2.89	1.08	3.17	1.03	3.49	0.98	3.84	0.93	4.20	0.88	4.56	0.83	4.92	0.78	5.28		
		1.39	3.08	1.34	3.42	1.28	3.76	1.23	4.13	1.17	4.40	1.12	4.75	1.06	5.11	1.01	5.47		
		1.60	3.35	1.55	3.68	1.51	4.05	1.46	4.45	1.41	4.85	1.35	5.20	1.29	5.56	1.23	5.92		
		1.74	3.50	1.69	3.80	1.64	4.14	1.59	4.49	1.53	5.10	1.48	5.40	1.42	5.71	1.37	6.05		
		1.98	3.74	1.92	4.06	1.86	4.42	1.81	4.80	1.75	5.25	1.70	5.40	1.65	5.78	1.60	6.10		
		2.18	4.13	2.12	4.59	2.06	5.05	2.01	5.55	1.92	5.80	1.84	6.10	1.75	6.35	1.70	6.50		
		2.34	4.36	2.27	4.75	2.20	5.15	2.13	5.74	2.10	6.10	2.08	6.40	2.03	6.63	2.00	6.90		
		2.57	4.71	2.52	5.03	2.47	5.59	2.42	6.21	2.38	6.43	2.31	6.60	2.27	7.00	2.24	7.30		
		2.96	5.22	2.89	5.54	2.84	5.86	2.78	6.30	2.70	6.62	2.65	6.91	2.60	7.20	2.53	7.55		
HTSR 80A	80 mm	3.09	5.72	3.06	6.14	3.01	6.58	2.95	6.89	2.88	7.10	2.83	7.33	2.77	7.51	2.70	7.82		
		2.27	4.09	2.20	4.44	2.14	4.83	2.07	5.25	2.01	5.61	1.96	5.97	1.89	6.33	1.82	6.99		
		2.52	4.49	2.45	4.88	2.37	5.30	2.30	5.76	2.25	6.10	2.19	6.45	2.12	6.81	2.06	7.17		
		2.77	4.82	2.69	5.23	2.61	5.59	2.53	6.18	2.48	6.40	2.40	6.71	2.34	7.07	2.28	7.43		
		2.95	5.08	2.86	5.52	2.77	5.99	2.69	6.52	2.62	6.80	2.57	7.21	2.49	7.53	2.42	7.89		
		3.07	5.67	3.00	6.06	2.92	6.44	2.84	6.89	2.78	7.03	2.65	7.38	2.60	7.90	2.55	8.10		
		3.44	6.17	3.37	6.57	3.30	6.97	3.21	7.21	3.18	7.40	3.15	7.70	3.10	8.12	3.07	8.35		
		3.73	6.55	3.65	7.02	3.59	7.45	3.48	7.73	3.40	8.00	3.32	8.20	3.27	8.40	3.21	8.70		
		4.01	6.94	3.93	7.35	3.85	7.84	3.79	8.25	3.70	8.40	3.65	8.71	3.61	8.89	3.52	9.10		
		4.29	7.27	4.22	7.74	4.15	8.25	4.08	8.72	4.00	9.01	3.95	9.15	3.89	9.28	3.80	9.55		
4.55	7.65	4.49	8.14	4.42	8.63	4.35	9.13	4.27	9.31	4.20	9.58	4.13	9.88	4.07	10.10				
5.26	8.45	5.18	9.04	5.12	9.54	5.05	9.09	5.00	10.20	4.91	10.51	4.87	10.90	4.80	11.20				
5.52	8.73	5.50	9.35	5.47	9.97	5.41	11.04	5.35	11.66	5.28	12.28	5.21	12.90	5.14	13.52				

La所需动力(KW)Required electric power (KW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)

HTSR 型高压罗茨风机性能参数表
Performance parameter table of HTSR high-pressure Roots blower

型式 Type	口径 Bore	转速 rpm	排出压力 (kgf/cm2)Discharge Pressure															
			0.65		0.70		0.75		0.80		0.85		0.90		0.95		1.0	
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La
HTSR 100HB	100 mm	1060	3.17	6.36	3.09	6.91	3.01	7.51	2.94	8.17	2.87	8.53	2.79	8.89	2.72	9.25	2.65	9.61
		1140	3.65	6.90	3.58	7.51	3.65	8.15	3.72	8.66	3.65	8.90	3.60	9.10	3.54	9.50	3.48	9.86
		1220	4.06	7.52	3.98	8.18	3.90	8.88	3.83	9.65	3.75	10.10	3.68	10.40	3.61	10.76	3.54	11.11
		1310	4.43	8.15	4.35	8.75	4.26	9.62	4.18	10.56	4.10	10.82	4.03	11.50	3.90	11.71	3.82	12.10
		1460	5.28	9.23	5.19	9.85	5.10	10.40	4.99	10.91	4.75	11.32	4.61	11.85	4.48	12.30	4.30	12.75
		1540	5.70	9.75	5.64	10.46	5.55	11.12	5.43	10.96	5.21	11.98	5.00	12.21	4.83	12.80	4.68	13.20
		1680	6.44	10.77	6.35	11.53	6.25	12.21	6.16	12.63	6.00	12.90	5.85	13.20	5.71	13.67	5.49	14.10
		1780	6.59	11.52	6.87	12.34	6.83	13.07	6.75	13.44	6.55	13.92	6.38	14.10	6.10	14.52	5.91	14.88
		1880	7.55	12.25	7.45	13.05	7.33	13.86	7.24	14.26	7.09	14.58	6.90	14.93	6.73	15.20	6.51	15.69
		1980	8.06	13.05	7.92	13.87	7.85	14.72	7.75	15.27	7.58	15.61	7.40	16.02	7.21	16.60	7.03	17.20
HTSR 125HB	125 mm	2100	8.65	13.85	8.55	14.70	8.49	15.62	8.40	16.02	8.25	16.62	8.07	17.13	7.93	17.66	7.71	18.20
		2200	9.17	14.57	9.14	15.46	9.04	16.42	8.92	16.95	8.72	17.40	8.61	17.98	8.47	18.33	8.21	18.98
		980	5.24	8.92	5.14	9.81	5.04	10.89	4.93	12.10	4.86	13.20	4.78	14.10	4.71	15.30	4.64	16.40
		1050	5.54	9.71	5.43	10.78	5.32	11.98	5.21	13.01	5.11	14.08	5.01	15.11	4.92	16.01	4.80	16.40
		1200	6.83	11.05	6.74	11.82	6.66	12.55	6.54	13.33	6.43	14.61	6.32	15.58	6.23	16.57	6.15	17.90
		1310	7.55	12.22	7.45	13.13	7.39	13.92	7.34	14.83	7.25	15.85	7.17	16.86	7.09	17.87	6.99	18.80
		1390	8.14	13.14	8.06	14.04	7.92	14.91	7.85	15.82	7.61	16.20	7.52	17.21	7.43	18.23	7.34	19.25
		1460	8.50	13.73	8.45	14.67	8.33	15.62	8.24	16.55	8.08	17.10	7.90	17.72	7.73	18.20	7.53	19.80
		1530	9.05	14.63	8.95	15.62	8.87	16.63	8.82	17.62	8.61	18.01	8.48	18.71	8.21	19.40	8.00	20.10
		1630	9.75	15.65	9.65	16.73	9.55	17.82	9.45	18.95	9.31	19.60	9.15	20.30	8.93	20.98	8.80	21.60
HTSR 150HB	150 mm	1750	10.55	16.94	10.45	18.06	10.35	19.14	10.25	20.25	10.05	21.00	9.87	21.80	9.80	22.35	9.62	23.10
		1850	11.23	18.05	11.13	19.24	11.04	20.37	10.94	21.45	10.78	22.10	10.61	22.98	10.45	23.70	10.27	24.20
		810	10.26	17.16	10.16	18.86	10.06	20.73	9.96	22.78	9.86	24.38	9.75	25.98	9.64	27.28	9.53	28.58
		860	11.16	17.77	11.03	18.97	10.85	20.87	10.73	24.37	10.62	25.67	10.51	26.97	10.40	28.27	10.29	28.57
		970	13.12	21.45	12.95	22.93	12.86	24.34	12.73	25.82	12.51	26.50	12.39	29.01	12.25	30.36	12.12	33.71
		1110	15.55	25.07	15.46	26.74	15.33	28.45	15.15	30.07	15.00	32.60	14.78	35.00	14.56	37.21	14.50	39.35
		1180	16.86	26.34	16.73	28.22	16.55	30.15	16.43	31.84	16.27	33.20	16.10	36.30	15.89	40.10	15.71	44.23
		1240	17.92	27.73	17.75	29.55	17.66	31.43	17.53	33.17	17.21	36.21	17.10	39.38	16.80	44.45	16.63	47.78
		1400	20.76	33.34	20.63	35.85	20.45	37.97	20.33	40.13	20.11	43.00	19.87	46.10	19.63	49.80	19.48	52.00
		1470	21.92	34.57	21.82	36.92	21.69	39.12	21.52	41.33	21.30	44.80	21.11	47.10	20.90	50.90	20.71	54.00
HTSR 150HB	150 mm	1620	24.12	40.07	24.04	43.32	23.85	45.83	23.73	48.25	23.50	51.10	23.31	54.00	23.13	57.80	22.90	60.10
		1730	25.76	44.85	25.64	47.63	25.45	50.27	25.32	52.95	25.14	55.95	25.00	58.10	24.80	61.00	24.61	65.00
		1730	28.35	47.83	28.15	50.54	27.97	53.35	27.92	56.43	27.71	59.23	27.58	62.01	27.39	65.30	27.11	69.01

HTSR 型高压罗茨风机性能参数表
Performance parameter table of HTSR high-pressure Roots blower

La所需功率(kW)/Required electric power (kW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)			排出压力 (kgf/cm2)Discharge Pressure												转速				
型式 Type	口径 Bore	转速 rpm	0.65		0.70		0.75		0.80		0.85		0.90		0.95		1.0		
			Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	
HTSR 200HB	200 mm	810	27.26	47.34	26.93	45.35	26.62	48.52	26.33	51.73	26.12	55.00	25.90	58.20	25.59	61.40	25.28	64.61	810
		900	31.45	47.64	31.14	51.23	30.85	54.52	30.54	57.85	30.21	60.80	29.90	64.01	28.89	67.21	28.58	70.41	900
		980	35.05	53.03	34.72	56.75	34.38	60.55	34.05	64.23	33.80	66.80	33.62	69.10	33.27	72.30	32.92	75.51	980
		1070	39.35	58.83	39.13	63.73	38.92	67.37	38.75	71.44	38.58	74.10	38.37	77.20	38.11	80.50	37.90	84.20	1070
		1150	43.03	64.33	42.74	68.63	42.45	73.34	42.25	77.66	42.03	80.10	41.81	84.20	41.63	87.50	41.45	90.70	1150
		1230	46.41	69.32	46.21	74.22	46.02	78.81	45.83	83.52	45.60	86.10	45.42	89.10	45.20	92.30	45.00	96.00	1230
		1310	49.72	74.81	49.53	79.71	49.32	84.72	49.11	89.76	48.90	92.10	48.68	95.30	48.41	99.20	48.25	105.1	1310
		1390	53.03	79.85	52.82	84.91	52.71	90.24	52.52	95.55	52.35	98.70	52.10	103.2	51.90	107.2	51.72	112.0	1390
HTSR 200BH	200 mm	1480	56.92	85.61	56.82	91.32	56.71	96.72	56.53	102.4	56.21	106.3	56.10	110.0	55.75	115.0	55.40	120.0	1480
		810	21.47	37.28	21.21	35.71	20.97	38.22	20.74	40.74	20.57	43.31	20.40	45.84	20.16	48.37	19.91	50.88	810
		900	24.58	37.90	24.33	40.80	24.08	43.70	23.84	46.60	23.56	50.00	23.26	55.00	23.00	75.00	22.76	75.00	900
		980	27.35	41.20	27.10	44.40	26.83	47.60	26.57	50.70	26.30	75.00	26.03	75.00	25.78	75.00	25.53	75.00	980
		1070	30.75	45.00	30.57	48.50	30.42	51.90	30.28	55.40	30.14	75.00	30.00	75.00	29.80	75.00	29.60	75.00	1070
		1150	33.59	48.40	33.39	52.10	33.16	55.80	32.97	59.60	32.76	75.00	32.56	75.00	32.32	75.00	32.02	90.00	1150
		1230	36.25	51.70	36.08	55.70	35.93	59.70	35.81	63.70	35.69	75.00	35.56	75.00	35.13	90.00	35.00	90.00	1230
		1310	38.83	55.10	38.66	59.40	38.49	63.60	38.38	67.80	38.25	75.00	38.12	90.00	38.09	90.00	37.85	90.00	1310
HTSR 250HB	250 mm	1390	41.38	58.50	41.26	63.00	41.16	67.50	41.06	72.00	40.96	90.00	40.85	90.00	40.72	90.00	40.60	110.0	1390
		1480	44.49	62.30	44.39	67.10	44.28	71.80	44.17	76.60	44.07	90.00	43.96	90.00	43.85	110.0	43.69	110.0	1480
		990	61.20	83.20	61.00	88.90	59.90	93.60	59.80	99.70	59.20	112.1	58.80	120.0	58.30	129.6	58.00	137.0	990
		1170	71.00	96.10	69.60	101.5	69.40	108.5	69.00	115.1	68.60	126.0	68.20	134.4	67.70	140.1	67.10	152.0	1170
		1250	76.40	103.5	76.00	110.8	75.60	118.2	75.10	125.2	74.50	142.0	74.10	149.0	73.40	155.0	73.00	165.0	1250
		1360	86.30	112.5	86.00	125.5	85.70	133.9	85.40	142.4	85.10	154.0	84.70	165.0	84.30	177.0	84.00	183.0	1360
		1480	93.70	126.9	93.40	136.2	93.20	145.6	92.60	154.3	92.20	170.1	91.80	184.0	91.50	192.0	91.20	205.0	1480

注：1、所选电机一般为4极电机，另视转速调整极数。2、“☆”的也可参照电机转速用于直联传动。
Note: 1. The selected motor is generally four-pole, the number of poles can be adjusted subject to the speed.
2. The type with “☆” also can be used for the direct-drive refer to the speed of motor

HTSR 型高压罗茨风机性能参数表
Performance parameter table of HTSR high-pressure Roots blower

型式 Type		口径 Bore	转速 rpm	排出压力 (kgf/cm ²) Discharge Pressure																								转速 rpm
				0.65		0.70		0.75		0.80		0.85		0.90		0.95		1.0										
				Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La									
La:所需动力(kW)Required electric power (KW) Qs:出口状态流量(m³/min) Suction-phase air volume(m³/min) 115KW 185KW 15KW 200KW 18.5KW 22.5KW 22KW 250KW 30KW 280KW 45KW 37KW 55KW 355KW 75KW 90KW 110KW 132KW 160KW	HTSR 300HB	300 mm	990	86.90	114.7	86.70	123.6	86.40	127.1	86.10	135.1	85.50	150.1	85.00	165.0	84.60	172.3	83.80	183.0	990								
			1170	102.5	135.3	102.3	145.3	102.1	150.1	101.8	159.8	101.5	170.5	101.1	182.1	100.8	200.1	100.5	227.0	1170								
			1250	110.4	145.7	110.2	155.8	110.0	161.7	109.8	172.4	109.3	187.1	108.9	203.1	108.6	220.1	108.3	234.0	1250								
			1360	123.2	162.6	123.0	176.6	122.7	180.4	122.5	192.3	122.2	206.1	122.0	217.5	121.7	232.0	121.5	256.0	1360								
			1480	134.1	177.8	134.0	190.6	133.8	196.70	133.7	209.9	133.5	213.0	133.2	235.1	132.8	250.1	132.5	270.1	1480								
			990	105.12	138.74	104.87	149.50	104.51	153.74	104.15	163.42	103.42	181.51	102.82	199.59	102.33	208.40	101.37	221.36	990								
			1170	123.99	163.66	123.75	175.76	123.50	181.56	123.14	193.29	122.78	206.24	122.29	220.26	121.93	242.04	121.57	274.59	1170								
			1250	133.54	176.23	133.30	188.45	133.06	196.39	132.82	208.54	132.21	226.31	131.73	245.67	131.37	266.24	131.00	283.04	1250								
HTSR 300BH	300 mm	1360	149.03	196.69	148.79	213.62	148.42	218.18	148.18	232.61	147.82	249.31	147.58	263.10	147.21	280.63	146.97	309.66	1360									
		1480	162.21	215.07	162.09	230.54	161.85	237.93	161.73	253.90	161.49	257.65	161.12	284.37	160.64	302.53	160.28	326.72	1480									
		990	119.13	157.23	118.85	169.42	118.44	174.23	118.03	185.19	117.20	205.74	116.52	226.16	115.97	236.17	114.88	250.78	990									
		1170	140.52	185.47	140.25	199.19	139.96	205.75	139.55	219.04	139.15	233.73	138.54	249.61	138.18	274.29	137.77	311.18	1170									
HTSR 300HB	300 mm	1250	151.34	199.72	151.07	213.57	150.80	222.57	150.52	236.33	149.83	256.47	149.29	278.41	148.88	296.39	148.46	320.76	1250									
		1360	168.90	222.91	168.62	242.09	168.20	247.29	167.93	263.61	167.52	282.53	167.25	298.16	166.83	318.03	166.56	350.93	1360									
		1480	183.83	243.73	183.70	261.27	183.43	269.65	183.29	287.74	183.02	292.00	182.60	322.28	182.05	342.85	181.65	370.28	1480									

HTSR 型罗茨真空泵性能参数表
Performance parameter table of HTSR Roots vacuum pump

La所需功率(KW)Required electric power (KW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)

型式 Type	口径 Bore	-100mmHg -1360mmHg		-150mmHg -2040mmHg		-200mmHg -2720mmHg		-250mmHg -3400mmHg		-300mmHg -4080mmHg		-330mmHg -4488mmHg		真空泵 Vacuum pressure	转速rpm
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
HTSR 50V	吸入口径 5k-40A 吐出口径 1.0MPa- 50A	1100	1.12	0.36	1.03	0.55	0.74	0.86	0.93					1100	1100
		1230	1.29	0.47	1.20	0.67	1.10	1.02	1.08					1230	1230
		1650	1.45	0.58	1.36	0.80	1.26	1.16	1.24					1650	1650
		1470	1.62	0.74	1.54	0.96	1.45	1.35	1.40	1.25	1.62	1.21	1.75	1470	1470
		1560	1.76	0.86	1.69	1.09	1.60	1.50	1.54	1.37	1.76	1.31	1.89	1560	1560
		1660	1.88	0.93	1.81	1.17	1.71	1.61	1.66	1.48	1.90	1.42	2.04	1660	1660
		1750	1.99	0.99	1.92	1.27	1.82	1.71	1.76	1.58	2.02	1.52	2.17	1750	1750
		1850	2.12	1.13	2.05	1.39	1.95	1.84	1.91	1.71	2.17	1.64	2.32	1850	1850
		1960	2.27	1.28	2.20	1.55	2.10	1.99	2.08	1.90	2.34	1.85	2.50	1960	1960
		2120	2.46	1.56	2.38	1.84	2.27	2.15	2.20	2.02	2.67	1.95	2.83	2120	2120
HTSR 65V	吸入口径 5k-50A 吐出口径 1.0MPa- 65A	2300	2.67	1.79	2.59	2.10	2.48	2.37	2.70	2.27	3.05	2.23	3.21	2300	2300
		1110	1.57	0.75	1.43	0.98	1.30	1.21	1.45					1110	1110
		1240	1.83	0.84	1.69	1.09	1.54	1.40	1.61					1240	1240
		1360	2.08	0.95	1.93	1.24	1.78	1.64	1.81					1360	1360
		1450	2.27	1.05	2.13	1.35	1.99	1.84	1.96	1.70	2.26	1.61	2.44	1450	1450
		1550	2.47	1.13	2.32	1.45	2.17	2.03	2.09	1.88	2.41	1.80	2.60	1550	1550
		1670	2.70	1.24	2.56	1.58	2.42	2.27	2.28	2.13	2.62	2.05	2.83	1670	1670
		1770	2.90	1.32	2.76	1.69	2.62	2.49	2.43	2.35	2.79	2.27	3.03	1770	1770
		1860	3.08	1.44	2.94	1.82	2.80	2.65	2.59	2.51	2.98	2.44	3.20	1860	1860
		1960	3.33	1.60	3.18	2.00	3.03	2.81	2.89	2.74	3.23	2.72	3.47	1960	1960
HTSR 80V	吸入口径 5k-65A 吐出口径 1.0MPa- 80A	2150	3.57	1.84	3.43	2.28	3.30	3.16	3.16	3.02	3.60	2.92	3.86	2150	2150
		2300	3.80	2.10	3.65	2.54	3.49	3.34	3.51	3.18	3.95	3.09	4.21	2300	2300
		1130	2.92	1.01	2.79	1.46	2.65	1.90	2.35					1130	1130
		1240	3.29	1.17	3.15	1.66	3.00	2.85	2.63	2.69	3.11	2.62	3.40	1240	1240
		1300	3.49	1.30	3.35	1.80	3.20	3.05	2.80	2.89	3.30	2.82	3.60	1300	1300
		1370	3.73	1.44	3.59	1.96	3.44	3.29	3.01	3.13	3.53	3.06	3.84	1370	1370
		1470	4.03	1.60	3.89	2.16	3.74	3.59	3.30	3.43	3.86	3.35	4.20	1470	1470
		1570	4.35	1.82	4.21	2.40	4.07	3.92	3.57	3.77	4.16	3.66	4.51	1570	1570
		1660	4.64	2.01	4.51	2.62	4.37	4.22	3.85	4.06	4.46	3.96	4.82	1660	1660
		1750	4.95	2.23	4.81	2.85	4.67	4.53	4.11	4.38	4.73	4.27	5.10	1750	1750
HTSR 100V	吸入口径 5k-80A 吐出口径 1.0MPa- 100A	1840	5.23	2.42	5.10	3.09	4.96	4.81	4.42	4.65	5.09	4.55	5.48	1840	1840
		1930	5.53	2.62	5.40	3.33	5.26	5.11	4.72	4.95	5.41	4.85	5.82	1930	1930
		2100	6.09	2.88	5.96	3.65	5.82	5.65	5.19	5.49	5.96	5.41	6.42	2100	2100
		2300	6.75	3.27	6.62	4.12	6.48	6.31	5.80	6.15	6.65	6.07	7.14	2300	2300
		1070	4.35	1.56	4.06	2.24	3.80	3.57	3.60					1070	1070
		1160	4.83	1.80	4.56	2.53	4.29	4.03	4.04	3.78	4.72	3.63	5.15	1160	1160
		1240	5.27	1.97	4.99	2.74	4.72	4.46	4.29	4.20	5.07	4.07	5.52	1240	1240
		1320	5.80	2.09	5.54	2.94	5.27	5.04	4.64	4.74	5.48	4.58	6.00	1320	1320
		1480	6.51	2.27	6.28	3.19	6.05	5.82	5.05	5.60	5.97	5.47	6.51	1480	1480
		1590	6.99	2.45	6.77	3.43	6.55	6.33	5.44	6.10	6.40	5.96	6.98	1590	1590
HTSR 125V	吸入口径 5k-100A 吐出口径 1.0MPa- 125A	1700	7.57	2.66	7.37	3.72	7.16	6.95	5.86	6.73	6.92	6.60	7.56	1700	1700
		1790	8.00	2.87	7.81	3.95	7.60	7.38	6.19	7.15	7.27	7.01	7.93	1790	1790
		1890	8.47	3.03	8.29	4.21	8.09	7.88	6.56	7.66	7.74	7.53	8.45	1890	1890
		2010	9.09	3.23	8.92	4.48	8.75	8.57	7.00	8.38	8.26	8.27	9.03	2010	2010
		2200	10.07	3.56	9.91	5.00	9.63	9.33	7.79	9.06	9.13	8.89	9.95	2200	2200

La所需功率(KW)Required electric power (KW) Qs:进风状态风量(m³/min) Suction-phase air volume(m³/min)

0.75KW 1.1KW 1.5KW 2.2KW 3KW 4KW 5.5KW 7.5KW 11KW 15KW 18.5KW 22KW

HTSR 型罗茨真空泵性能参数表
Performance parameter table of HTSR Roots vacuum pump

型式 Type	口径 Bore	-100mmHg Vacuum pressure		-150mmHg Vacuum pressure		-200mmHg Vacuum pressure		-250mmHg Vacuum pressure		-300mmHg Vacuum pressure		-330mmHg Vacuum pressure		真空泵 Vacuum pressure	转速rpm
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
HTSR 125V	吸入口径 5k-100A 吐出口径 1.0MPa-125A	980	6.24	2.27	5.97	3.17	5.70	4.07	5.42	4.97	5.14	5.86	5.01	6.40	980
		1050	6.75	2.60	6.48	3.53	6.21	4.47	5.94	5.41	5.06	6.35	5.61	6.89	1050
		1200	7.77	3.26	7.51	4.31	7.25	5.37	6.98	6.42	6.69	7.47	6.58	8.08	1200
		1310	8.57	3.71	8.36	4.87	8.13	6.02	7.88	7.18	7.61	8.33	7.44	9.00	1310
		1410	9.27	4.05	9.05	5.29	8.82	6.53	8.57	7.77	8.30	9.00	8.15	9.73	1410
		1470	9.70	4.37	9.48	5.66	9.25	6.95	9.02	8.23	8.78	9.50	8.50	10.28	1470
		1550	10.37	4.62	10.10	5.98	9.82	7.34	9.58	8.70	9.33	10.10	9.13	10.92	1550
		1650	11.00	5.18	10.70	6.64	10.50	8.11	10.30	9.58	10.10	11.10	9.64	11.93	1650
		1770	11.80	5.70	11.50	7.23	11.30	8.75	11.10	10.30	10.90	11.80	10.38	12.71	1770
		1880	12.50	6.25	12.30	7.56	12.00	9.46	11.80	11.10	11.60	12.70	11.16	13.66	1880
2000	13.37	6.84	13.17	8.55	12.85	10.27	12.51	11.97	12.21	13.69	12.04	14.72	2000		
HTSR 150V	吸入口径 5k-125A 吐出口径 1.0MPa-150A	810	12.60	3.51	12.20	4.83	11.80	6.72	11.40	8.61	11.00	10.50	10.75	11.61	810
		870	13.80	4.12	13.30	6.00	12.80	7.80	12.30	9.77	11.80	11.70	11.50	12.74	870
		990	15.60	4.46	15.10	6.58	14.60	8.70	14.20	10.80	13.80	12.90	13.60	14.17	990
		1120	17.70	6.61	17.30	8.94	16.80	11.30	16.30	13.60	15.80	15.90	15.55	17.30	1120
		1200	19.20	7.57	18.70	9.93	18.20	12.30	17.80	14.70	17.30	17.00	16.93	18.48	1200
		1270	20.30	8.40	19.91	10.80	19.50	13.20	19.10	15.60	18.70	18.00	18.09	19.42	1270
		1410	20.50	10.50	22.10	13.20	21.70	15.90	21.30	18.60	20.90	21.30	20.69	22.90	1410
		1540	24.70	12.50	24.20	15.40	23.70	18.30	23.20	21.20	22.70	24.00	22.25	25.70	1540
		1670	26.50	14.30	26.00	17.40	25.50	20.50	25.00	23.50	24.50	26.60	24.22	28.41	1670
		1780	27.80	15.90	27.30	19.20	26.80	22.50	26.00	25.80	25.70	29.10	25.51	31.07	1780
1900	29.25	17.77	28.81	21.09	27.91	24.83	27.34	26.45	26.72	32.26	26.47	33.93	1900		
HTSR 200V	吸入口径 5k-200A 吐出口径 1.0MPa-200A	810	31.07	10.38	29.92	14.89			28.16	23.20	27.08	27.43	25.72	29.85	810
		900	34.92	12.94	33.98	17.37	33.17	22.01	32.28	26.82	31.16	31.49	29.76	34.30	900
		980	38.39	14.40	37.24	19.66	36.85	24.80	35.97	30.06	35.10	35.14	34.60	38.19	980
		1070	42.73	16.59	41.02	21.61	40.91	27.72	40.09	33.57	38.86	39.32	36.37	42.81	1070
		1150	45.90	18.61	45.25	24.06	44.65	30.15	43.72	36.36	42.50	42.76	40.96	46.16	1150
		1230	49.10	20.58	48.38	26.74	47.79	33.47	47.02	40.25	45.87	46.83	43.78	50.74	1230
		1310	52.26	23.03	51.61	29.61	50.95	36.65	50.33	43.84	49.24	50.97	46.60	55.13	1310
		1390	55.22	25.15	54.65	32.33	54.11	39.86	53.61	47.40	52.64	55.06	49.44	59.57	1390
		1480	58.65	27.52	58.17	34.85	57.64	43.13	57.05	51.20	56.46	59.06	52.61	63.76	1480
		900	57.06	21.07	54.76	28.18	52.74	35.26	50.91	41.80	48.82	49.44	47.38	54.31	900
HTSR 250V	吸入口径 5k-250A 吐出口径 1.0MPa-250A	980	63.50	22.24	61.47	30.44	58.84	37.86	56.46	45.20	54.37	53.41	53.10	58.59	980
		1070	69.93	23.60	67.59	32.35	65.36	40.52	63.41	48.95	61.37	58.03	59.93	63.46	1070
		1160	76.60	25.04	74.13	34.60	72.23	43.54	70.37	52.65	68.16	62.49	66.72	68.39	1160
		1240	82.77	26.50	80.23	36.47	78.37	46.12	76.30	56.07	73.87	66.49	72.56	72.54	1240
		1350	90.78	27.71	88.17	38.02	86.20	49.17	84.51	60.76	82.56	72.21	81.20	78.54	1350

◆高品質/低噪音三葉魯氏鼓風機

THREE LOBES REDUCE VIBRATION AND NOISE!

三葉式鼓風機是魯氏系列中的一種新產品。本公司以最新的 CNC 加工技術,製造精確的轉子,所以能提高性能、降低噪音及震動。

THREE LOBES BLOWERS ARE NEW SERIES ROOTS TYPE BLOWERS.BY CNC MACHINE,WE MADE PRECISE ROTORS TO PROMOTE PERFORMANCE,LOWER NOISE AND VIBRATION.

特 长

■風量、壓力、真空度範圍廣。

1. 口 徑： 40A ~ 400A(1.5"~16")
2. 風 量： 0.5 ~ 360 M³/MIN
3. 壓 力： 0 ~ 8000 MMAQ
4. 真 空 度： -5000 MMAQ

■風量穩定、壓力變化小小。

■排出氣體潔淨、不含油污。

■構造堅實簡單、保養維護容易。

■軸承為機油潤滑、散熱佳、壽命長。

FEATURE

■ Wide rang for air volume、pressure and vacuum.

● Bore : 40A~400 A(1.5" ~ 16")

● Capacity : 0.5 ~ 310 m³/min

● Pressure : 0~8000 mmAq

● Vacuum : -5000 mmAg

■ Stable air flow and less pressure variation.

■ Clean air not with oil moist.

■ Construction simple and easy maintenance.

■ Bearings are all lubricated by oil moist.

◆為何選擇三葉魯氏鼓風機?

WHY YOU SELECT THREE LOBES ROOTS BLOWER?

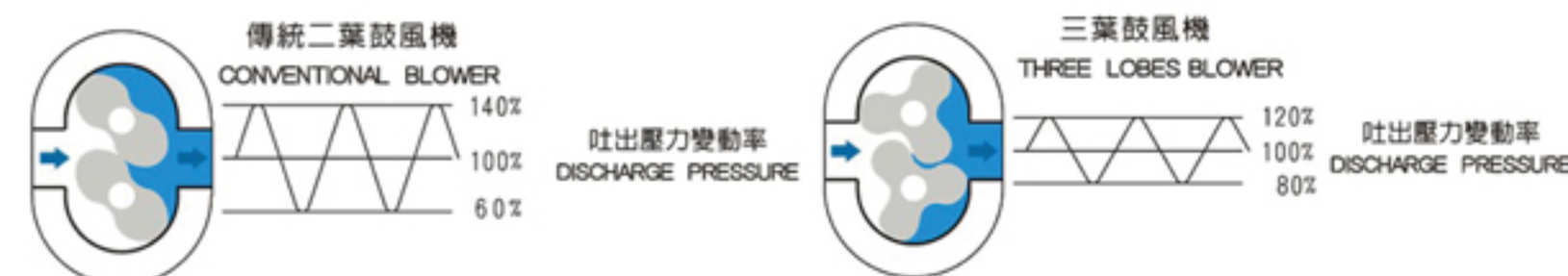
■較低的能源損耗

三葉式的設計能減少逆流對轉子的壓力,相對地也減少能源的損耗。

■ LOWER ENERGY CONSUMPTION

THREE LOBES'DESIGN CONTROL BACKFLOW PRESSURE TO ROTOR

SO REDUCE ENERGY CONSUMPTION.



■較低的噪音

壓力脈衝是主要的噪音源,三葉式鼓風機能有效地降低噪音達5dB。

● LOWER NOISE

Pressure pluses are the major noise source of blower.

Three lobes'design can efficiently reduce noise by approximately 5dB.

■轉軸壽命延長

由於葉輪傳遞的振動減少,得以延長軸承壽命達20%。

● LONGER BEARING LIFE

Less vibration transmitted through the lobe results approximat

20%longer bearing life.

傳統二葉氏鼓風機壓力震幅大,造成

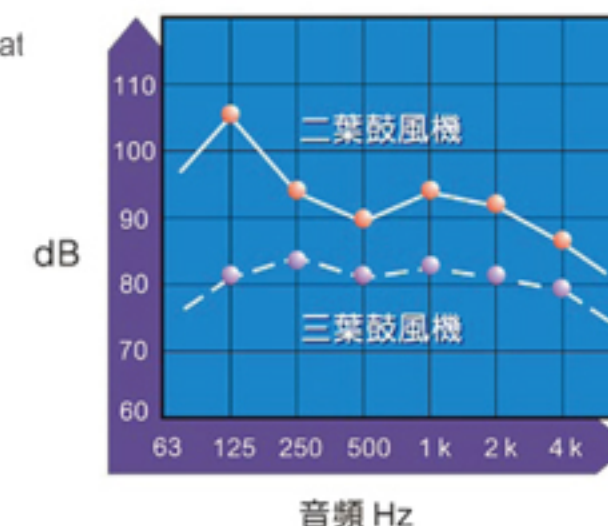
震動及噪音 縮短軸承、齒輪及其他傳動元件的壽命。

CONVENTIONAL BLOWERS RESULT PRESSURE PLUSES

AND VIBRATION ROB POWER AND SHORTEN THE LIFE OF

EVERY BEARING,GEAR AND OTHER DRIVE TRAIN

COMPONENTS.



●HTL 型性能表(壓送式)

HTL 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
HTL-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				
HTL-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
HTL-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
HTL-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
HTL-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
HTL-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

●HTL 型性能表(壓送式)

HTL TYPE PERFORMANCE TABLE(FOR PRESSURE)

TYPE	RPM	Qs (m³ /min)						PRESSURE (mmAq)						La (Kw)					
		1000mmAq		2000mmAq		3000mmAq		4000mmAc		5000mmAq		6000mmAq		7000mmAc		8000mmAq			
		Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La	Qs	La		
HTL-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		
HTL-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		
HTL-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	35.61	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	66.27		
	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		
HTL-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	78.19	35.39	76.87	50.89	75.65	65.16	74.56	78.34	73.57	90.56	72.71	101.9	71.96	112.5		
HTL-250	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	78.19	35.39	76.87	50.89	75.65	65.16	74.56	78.34	73.57	90.56	72.71	101.9	71.96	112.5		
HTL-250A	600	39.45	10.36	37.54	18.02	35.93	25.92	34.56	33.71	33.33	41.48	32.19	49.20	31.19	56.8	30.35	64.3		
	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	71.0	41.82	80.4		
	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	85.2	53.29	96.5		
	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	99.4	64.75	112.6		
	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	113.6	76.22	128.7		
	1350	96.79	23.30	94.87	40.54	93.27	58.32	91.89	75.85	90.67	93.33	89.52	110.7	88.53	127.8	87.69	144.7		
	1500	108.3	25.89	106.3	45.05	104.7	64.80	103.4	84.28	102.1	103.7	101.0	123.0	100.0	142.0	99.16	160.8		

●HTL 型性能表(壓送式)

HTL 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
HTL-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
HTL-300A	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
HTL-350	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
HTL-400	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

●HTV 型性能表(真空用)

HTV 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
HTV-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				
HTV-050	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
HTV-065	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
HTV-080	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
HTV-100	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
HTV-125S	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	17.82	12.38	17.35	14.14	16.87	15.84	16.34	17.48	15.80	19.05

●HTV 型性能表(真空用)

HTV 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
HTV-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
HTV-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
HTV-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
HTV-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	79.7	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
HTV-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
HTV-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	62.25	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

●HTV 型性能表(真空用)

HTV 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
HTV-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
HTV-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</

●風量計算及性能曲線使用方法

HOW TO USE PERFORMANCE CHART

1.鼓風機的風量可以下型式表示:

(1)標準狀態STP風量(QS):溫度20°C,絕對壓力10332MMAQ,相對濕度65%。

(2)基準狀態NTP風量(QN):溫度0°C,絕對壓力10332MMAQ,相對濕度0%。

2.性能表所示風量是標準狀態STP之吸入風量。

3.性能表所示壓力是鼓風機之靜壓。

4.風量在不同壓力、溫度下的轉換公式。

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

Q1(M³/MIN):在絕對壓力P₁(MMAQ),絕對溫度T₁(°K)下之風量。

Q2(M³/MIN):在絕對壓力P₂(MMAQ),絕對溫度T₂(°K)下之風量。

5.靜壓的換算

(1)壓透的場合

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

(2)真空的場合

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

P₁:入口靜壓 P₂:出口靜壓 P_s:型錄之靜壓

6.範例

操作條件:風量 5.16 M³/MIN

入口靜壓 -500 MMAQ

出口靜壓 +4260 MMAQ

入口溫度 40°C

選用:入口風量5.16M³/MIN,必須換算成標準狀態(STP)時的風量。

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

靜壓換算

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

7.相同風量涵蓋二機種時,小機種具有經濟性,大機種則有較低的轉速即低噪音的優點,請參看噪音表。

1. AIR VOLUME IS GENERAL SHOWN IN TERMS

(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 mmAq

DISCHARGE STATIC PRESSURE +4260 mmAq

SUCTION TEMPERATURE 40°C

CHOICE: AIR VOLUME(5.16 m³/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

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

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

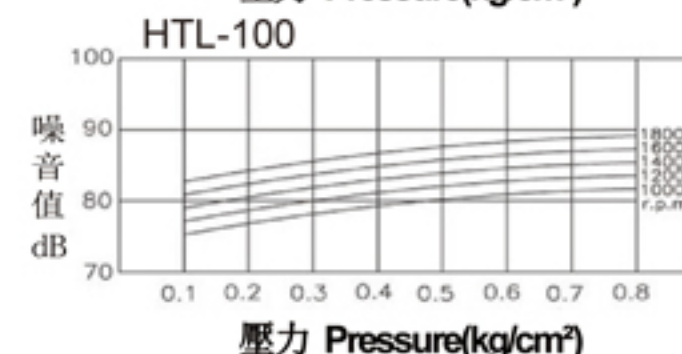
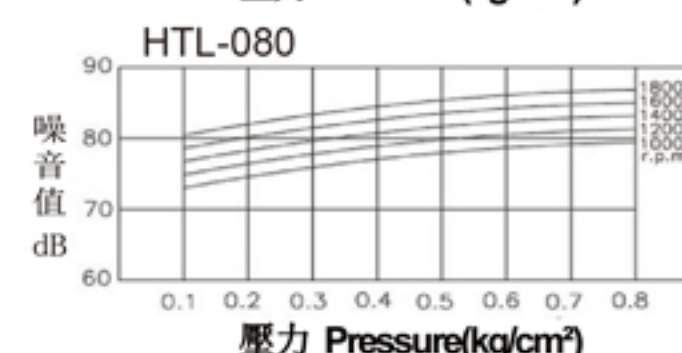
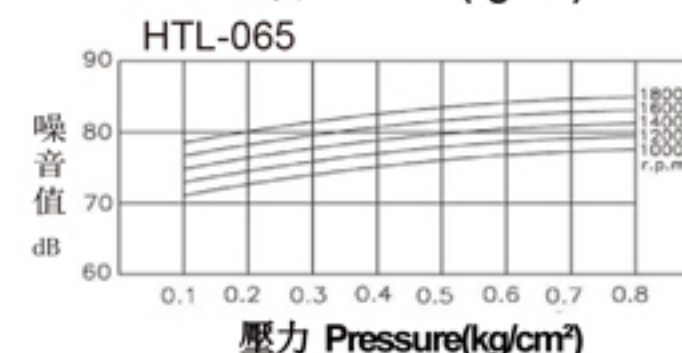
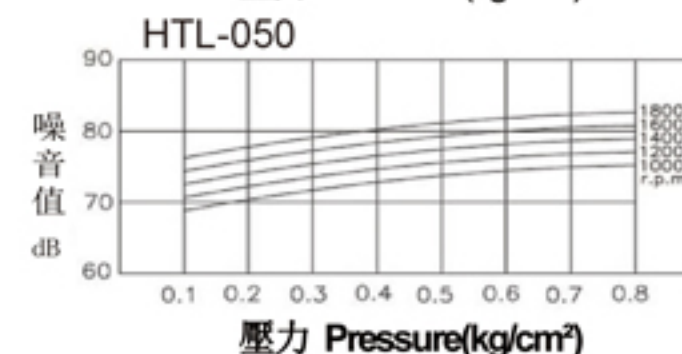
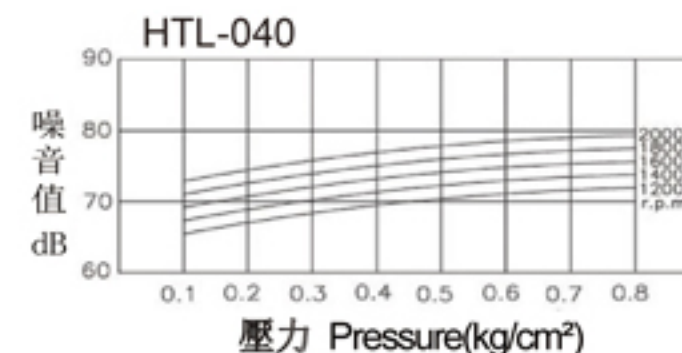
7.AS THE SELECTION COVERS TWO MODELS, YOU MAY SELECT THE SMALLER FOR ECONOMIC, BUT YOU CHOOSE THE BIGGER WITH THE ADVANTAGE OF LOWER RPM.PLEASE REFER TO NOISE CHART IN THE FOLLOWING PAGE.

●噪音表

NOISE LEVEL OF BLOWER

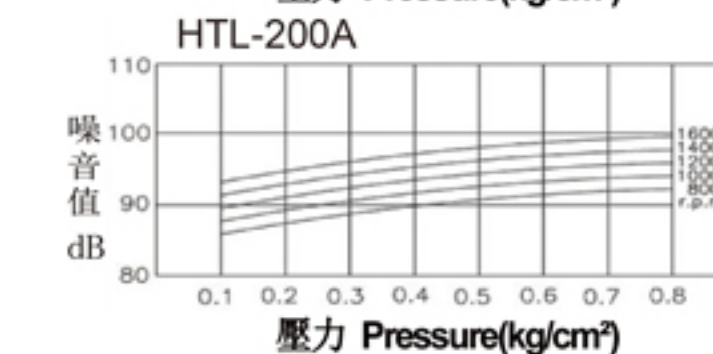
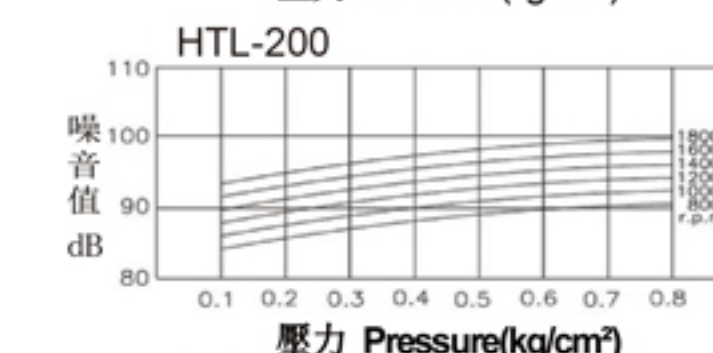
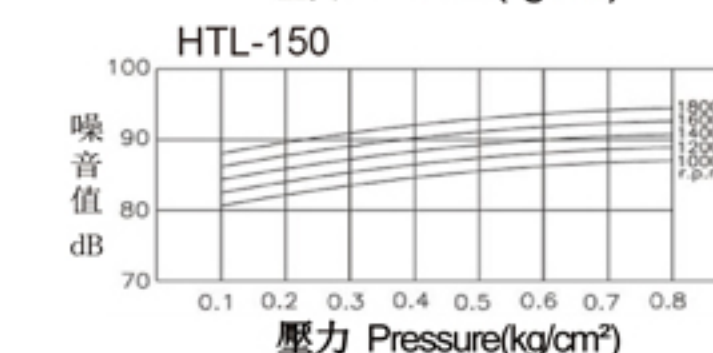
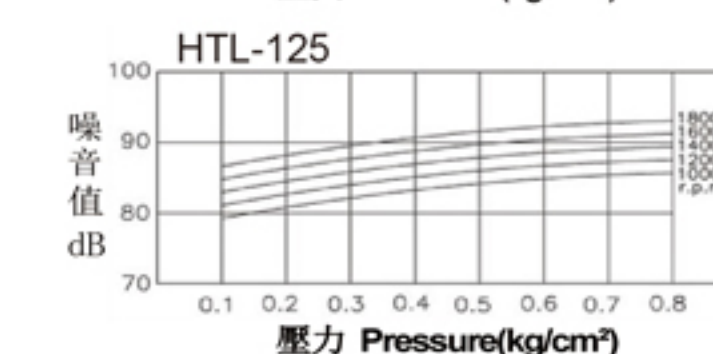
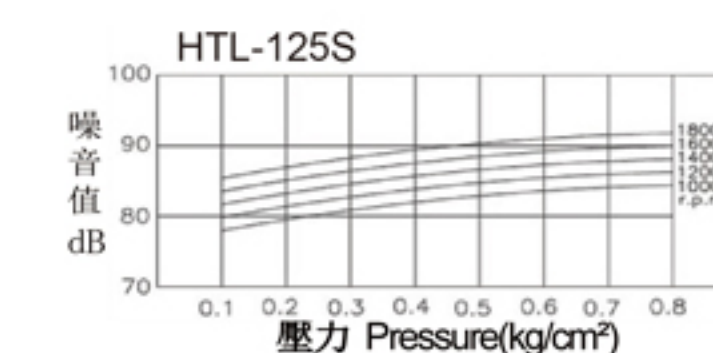
噪音資料係距離鼓風機1M及附標準消音器所測量的平均值。

NOISE LEVEL MEASURED AT DISTANCE 1 METER FOR THE BLOWER FITTED WITH STANDARD SILENCER



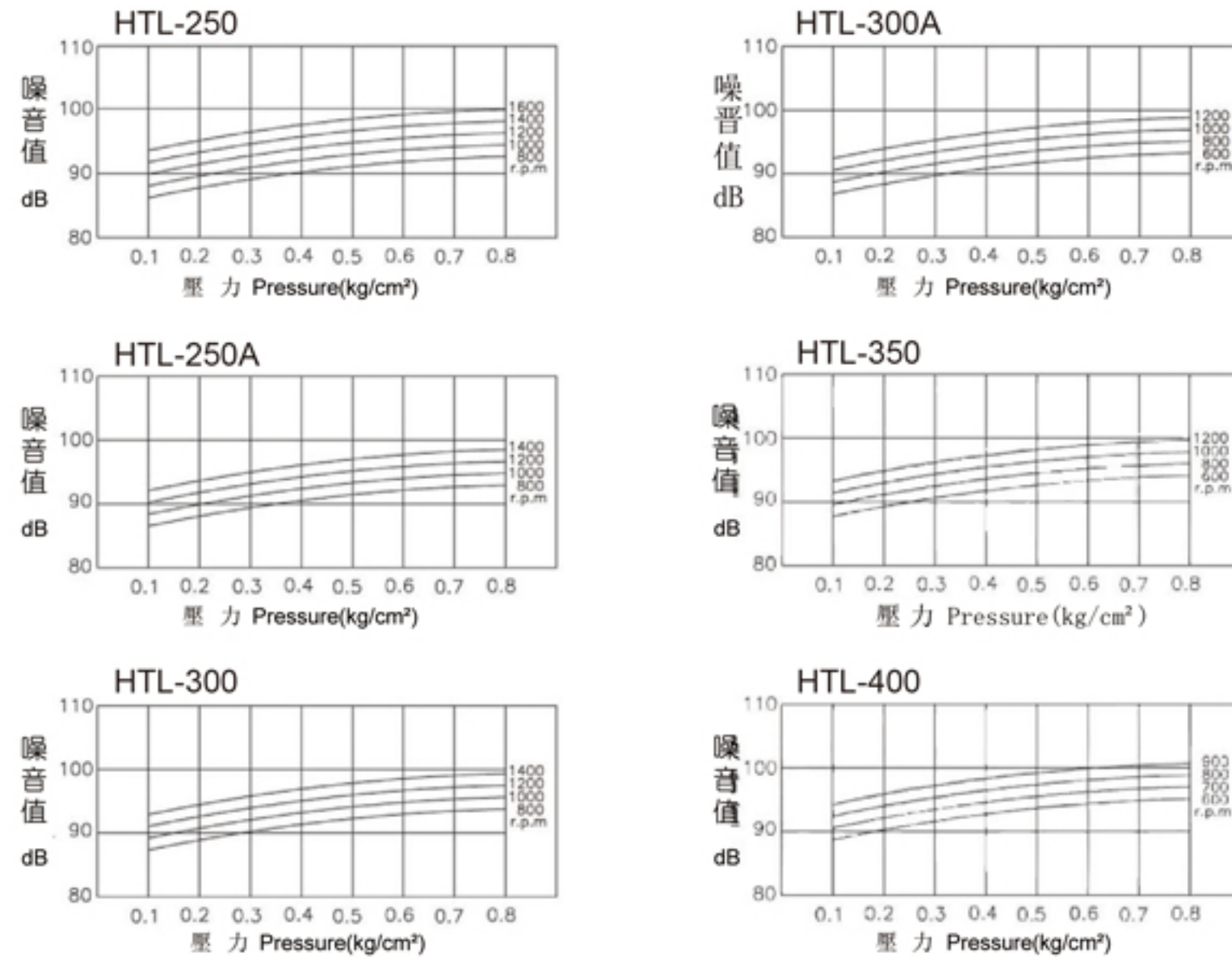
噪音值因加裝管路的長度及周圍的環境狀況而有所改變。

NOISE LEVEL MAYBE DIFFERENT ACCORDING TO THE EXTEND PIPE LENGTH AND AMBIENT CONDITION.



●風量計算及性能曲線使用方法

HOW TO USE PERFORMANCE CHART



●单位换算

UNITS CONVERSION

壓力 PRESSURE

	mbar	Pa	atm	lbf/in²	kgf/cm²	in-Hg	mmHg
1 mbar		10²	9.869x10⁻³	1.45x10⁻²	1.02x10⁻²	2.953x10⁻²	10.197
1 Pa	0.01		9.869x10⁻⁴	1.45x10⁻⁴	1.02x10⁻³	2.953x10⁻³	0.102
1 atm	1.013x10³	1.013x10⁵		14.7	1.033	29.92	1.033x10³
1 lbf/in²	68.95	6.895x10²	6.805x10⁻²		7.03x10⁻²	2.036	7.03x10²
1 kgf/cm²	9.807x10²	9.807x10⁴	0.968	14.22		28.96	10⁴
1 in-Hg	33.86	3.386x10²	3.342x10⁻²	0.491	3.45x10⁻²		3.45x10²
1 mmHg	9.807x10¹	9.807	9.677x10⁻³	1.42x10⁻²	10⁻³	2.896x10⁻²	

風量 CAPACITY

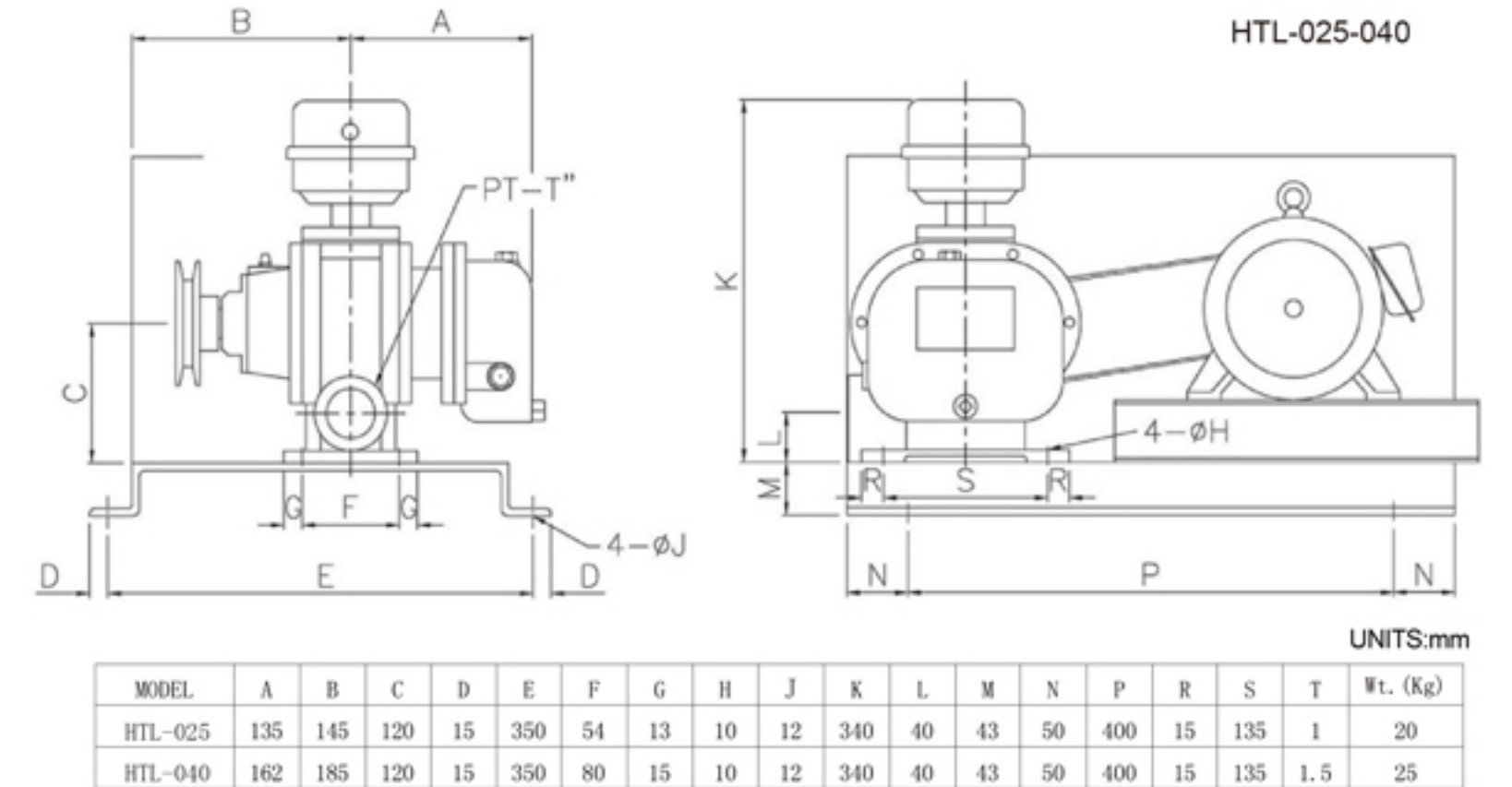
	m³/min	m³/hr	l/min	ft³/min
1 m³/min		60	1000	35.31
1 m³/hr	0.017		16.67	0.589
1 l/min	0.001	0.06		0.035
1 ft³/min	0.028	1.699	28.32	

功率 POWER

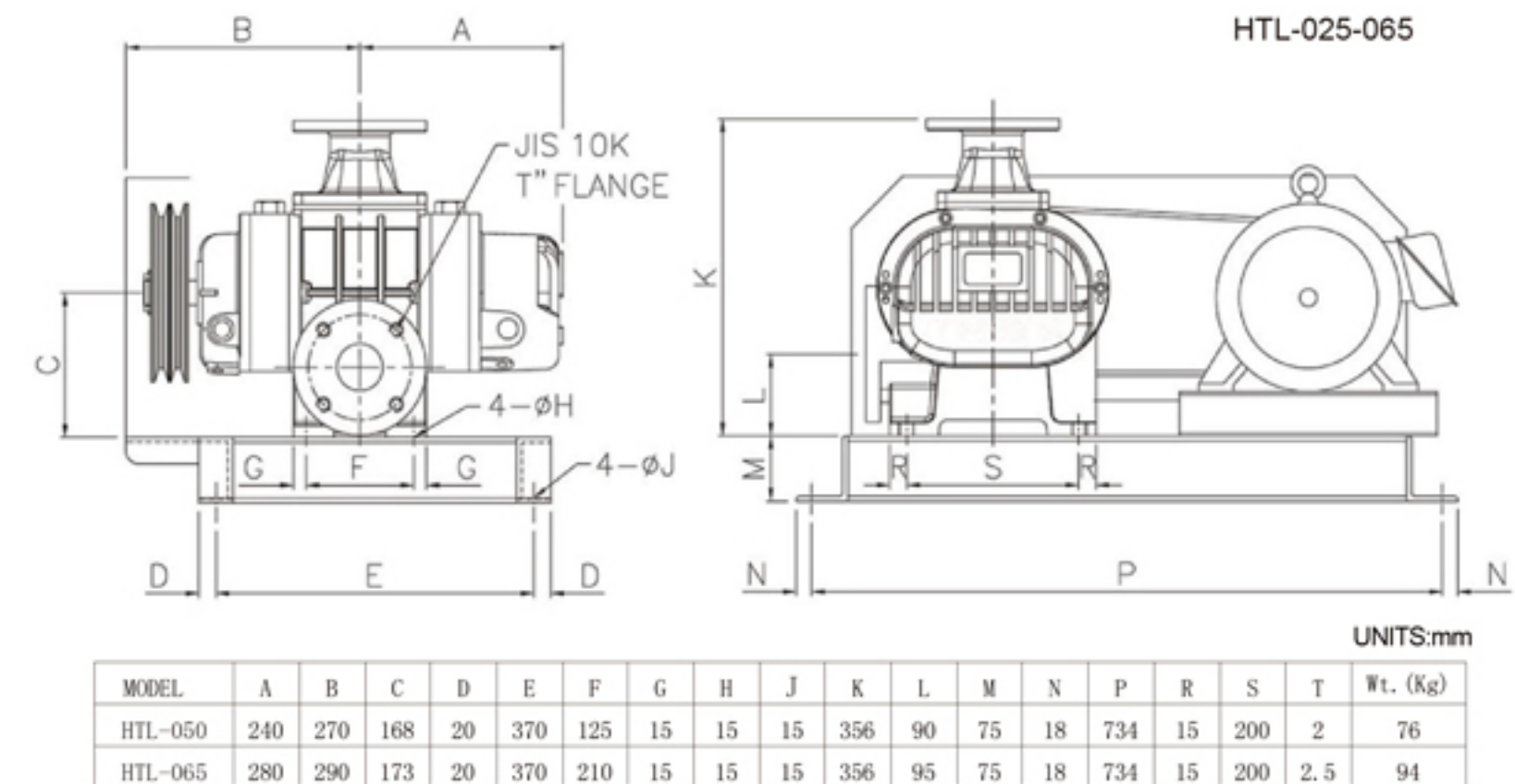
	kg-m/sec	kW	HP	PS
1 kg-m/sec		0.01	0.013	0.013
1 kW	101.97		1.341	1.360
1 HP	76.038	0.746		1.014
1 PS	75	0.736	0.986	

●外形尺寸图

OUTLINE DIMENSIONS



◆表列重量僅為主機重量 (WT. FOR MAINBODY)

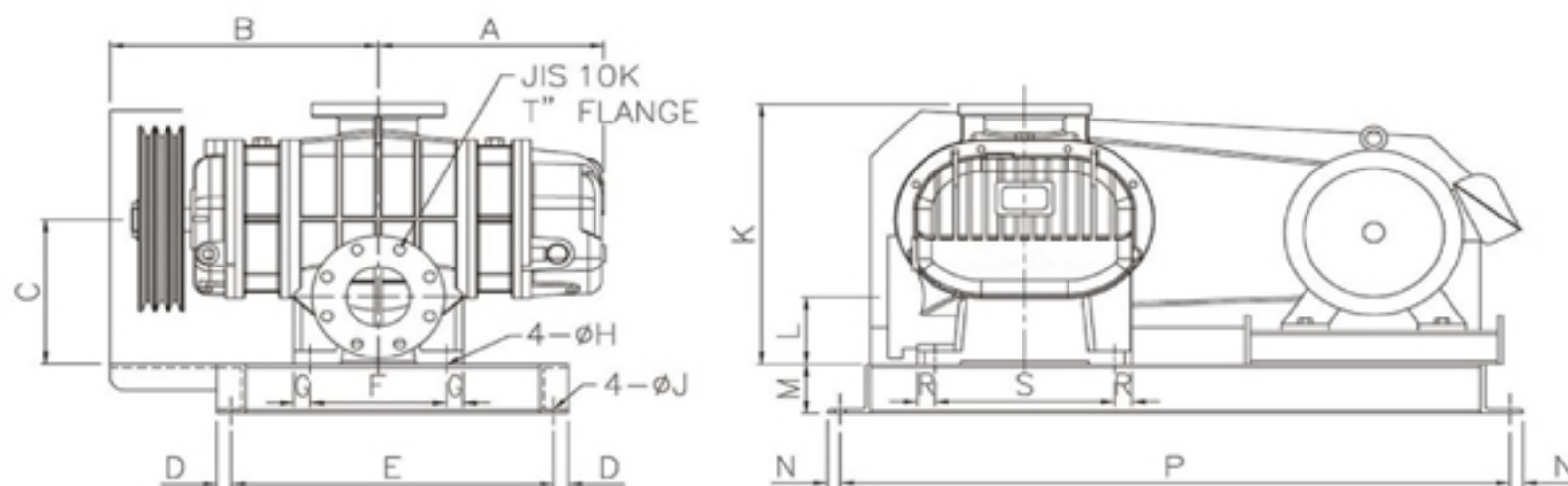


◆表列重量僅為主機重量 (WT. FOR MAINBODY)

●外形尺寸图

OUTLINE DIMENSIONS

HTL-080-150

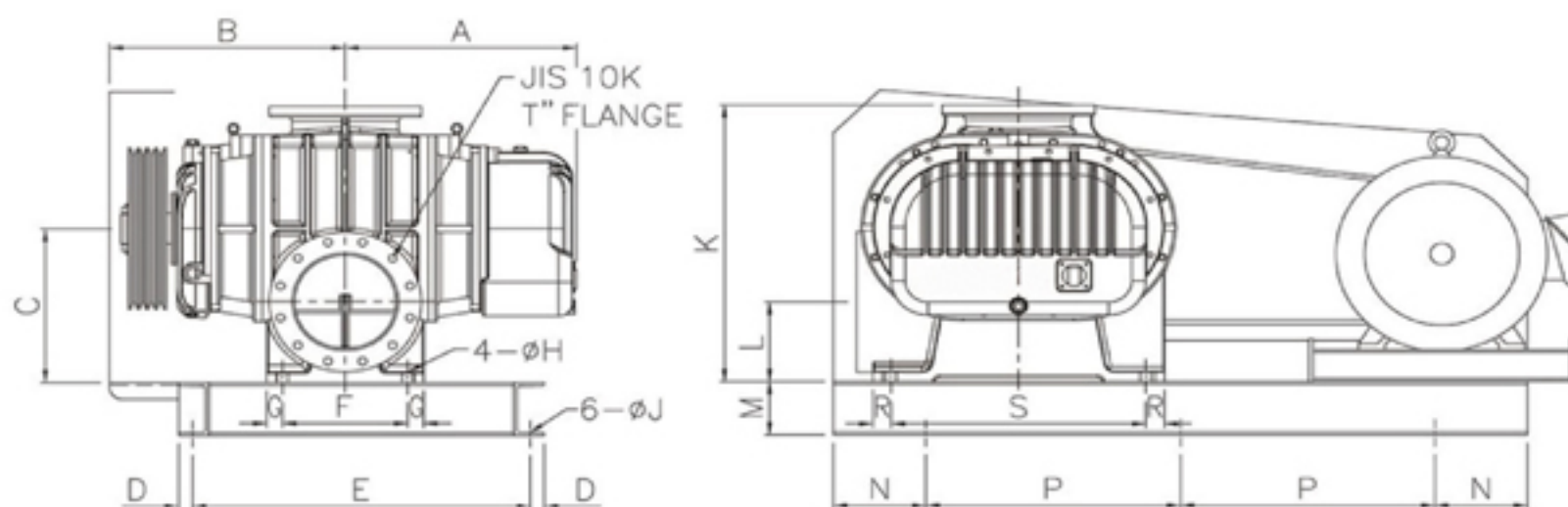


UNITS:mm

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

◆表列重量僅為主機重量 (WT. FOR MAINBODY)

HTL-200-300



UNITS:mm

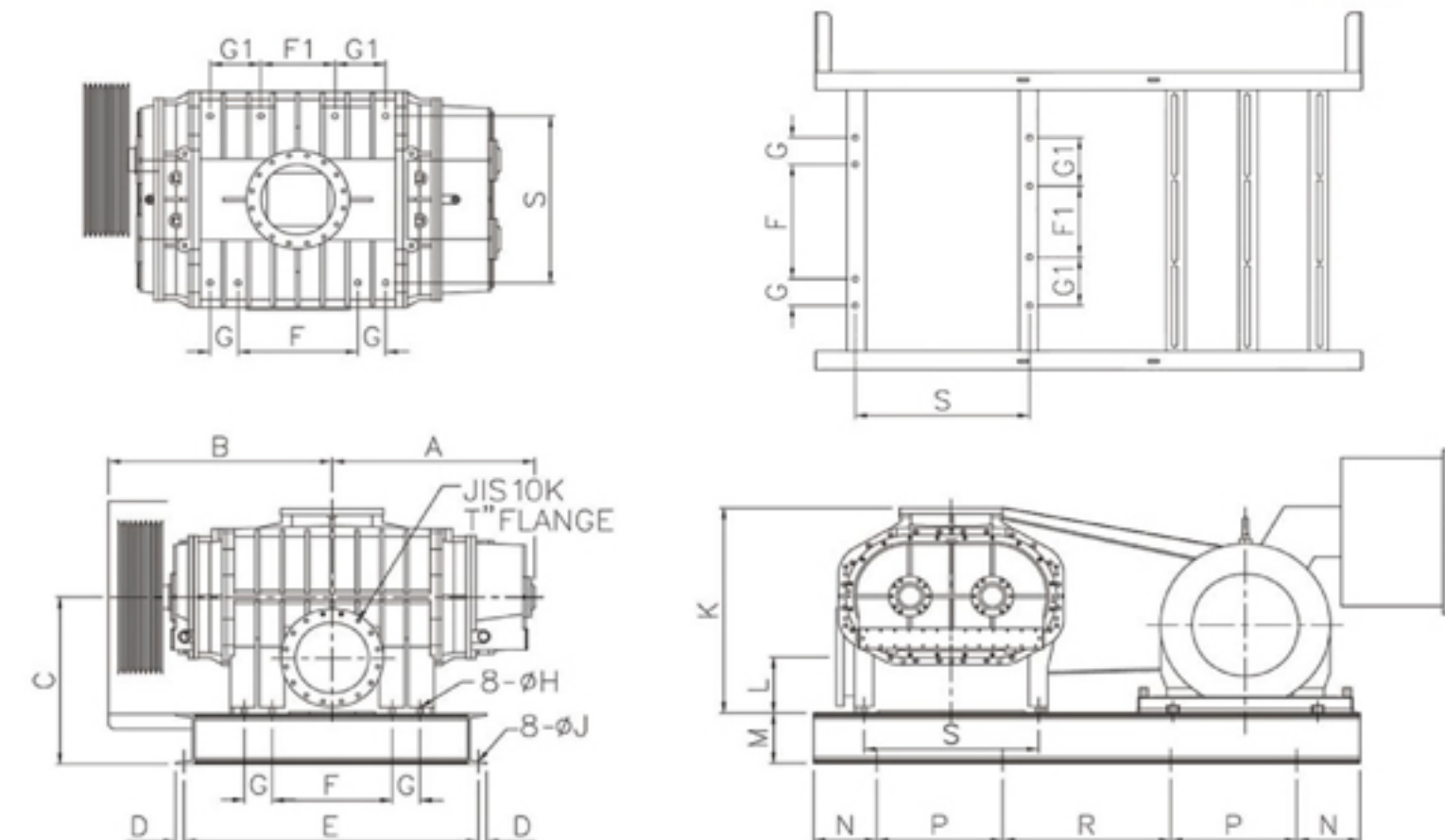
MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	Wt. (Kg)
HTL-200	515	495	363	30	730	270	35	23	19	650	190	125	200	550	40	550	8	720
HTL-200A	605	595	363	30	730	460	35	23	19	665	190	125	200	550	40	550	8	897
HTL-250	605	595	388	30	730	460	35	23	19	675	225	125	200	550	40	550	10	913
HTL-250A	778	678	500	40	850	650	65	27	24	875	250	200	200	800	55	620	10	1665
HTL-300	900	805	500	40	1120	650	65	27	24	875	250	200	200	800	55	620	12	2010
HTL-300A	954	840	505	40	1300	660	60	27	24	930	243	200	200	800	60	680	12	3200

◆表列重量僅為主機重量 (WT. FOR MAINBODY)

●外形尺寸图

OUTLINE DIMENSIONS

HTL-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)
HTL-350	965	1065	830	40	1400	570	354	133	35	241	24	1020	278	250	300	600	800	830	14	4100

◆表列重量僅為主機重量 (WT. FOR MAINBODY)