



上海汉钟精机股份有限公司(总部)

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# 涡旋式空气压缩机

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无油涡旋式空气压缩机

Oil-free scroll air compressor

完的静涡卷中心轴的位置

When the rotor completes a revolution, the eccentric shaft is driven to rotate around the center of the scroll. The gas is compressed in the crescent-shaped compression chamber by the scroll's rotation.

智能制造

“工业4.0”、“智能制造”已是制造业发展的大趋势。汉钟作为流... 体机电行业的领军企业，始终走在技术发展的前沿。汉钟智能4.0提... 高了汉钟的智能化水平，降低能耗，提高生产效率，节能环保，成... 就无污染的绿色智能工厂。



随着离心轴转速的提升，静涡卷中心轴的位置逐渐向偏心轴靠近，最终在离心轴带动下完成一周的旋转。

As the eccentric shaft rotates, the gas is gradually compressed in the crescent-shaped compression chamber. The gas is finally sucked into the filter. As the eccentric shaft rotates, the gas is gradually compressed in the crescent-shaped compression chamber. The gas is finally sucked into the filter.



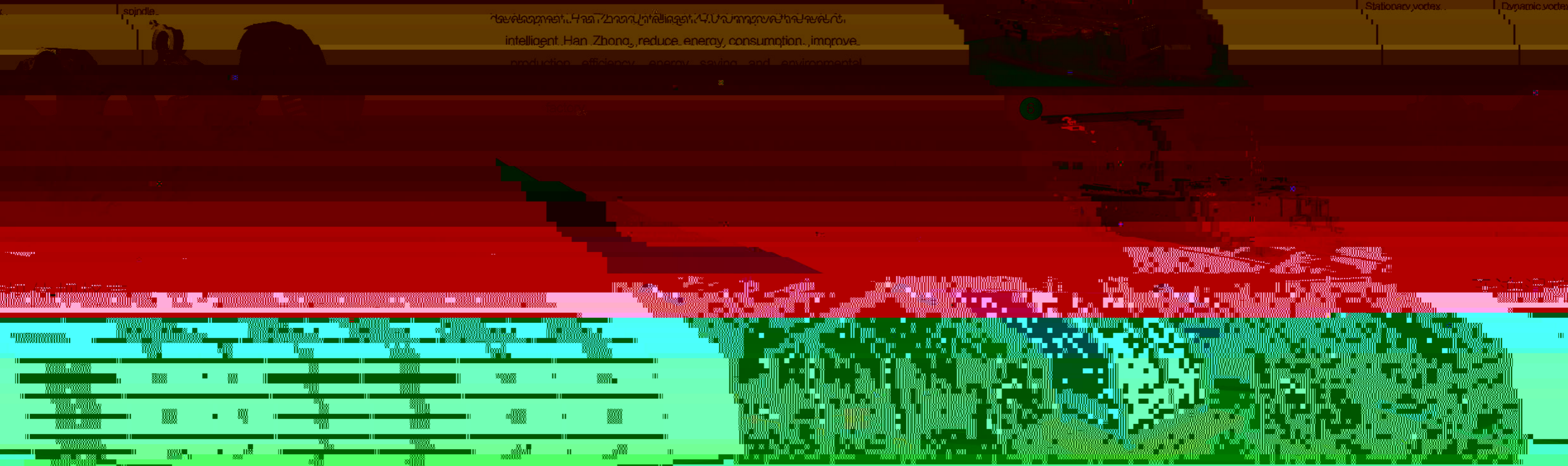
Stationary scroll

Stationary scroll

Stationary scroll

Dynamic scroll

intelligent Han Zhong, reduce energy consumption, improve production efficiency, energy saving and environmental protection.



# 强大的产品 为每一种汽车设计

Powerful products  
DESIGNED FOR EVERY CAR

汉钟涡旋压缩机是当前的成本与效率的完美结合之一。相较于传统的离心压缩机存在漏油问题，导致气路污染，汉钟无油压缩机



超低重量  
LOW WEIGHT

降低运营成本，增加运行时间。  
Reduce operating costs and  
increase runtimes.



超小体积  
SMALL FOOTPRINT

充分利用有限的空间。  
Make full use of limited space



超低噪音  
LOW SOUND

确保环境的舒适。  
To ensure the comfort  
of the environment



高可靠性  
HIGH RELIABILITY

涡旋设计模块化，超精密加工。



超高节能  
ULTRA HIGH ENERGY SAVING

智能控制，循环后停止定时冷却。  
Intelligent control cycle start



超低运行成本  
LOW LIFE CYCLE COST

智能控制，循环后停止定时冷却。  
Intelligent control cycle start



| ASF-08BI | 2.2 | 3 | 8  | 215 | 1/2" | 64 |
|----------|-----|---|----|-----|------|----|
| ASF-08AI |     |   | 8  | 410 |      |    |
| ASF-08BI | 3.7 | 5 | 10 | 355 | 1/2" | 65 |
| ASF-03AI |     |   | 8  | 570 |      |    |
| ASF-03BI | 5.5 | 8 | 10 | 490 | 3/4" | 66 |

### 无油涡旋机组设计特点

Oil-free scroll unit design features:

- 1、空气系统中完全无油、碳的污染，更清洁。
- 2、运动部件少，结构简单，可靠性高，使用寿命长。
- 3、无需再换润滑油及油过滤器，无废液外泄的问题，更环保。



- 4、工作时动静涡盘不接触，振动小，噪音更低。
- 5、运行费用极低，每年可为你节省上百万元的费用。
- 6、几乎无易损件，维护工作量极少，维护成本更低。
- 7、可实现智能多机连锁，循环启动/停止控制，实现经济运行降低电耗。
- 8、整机搭载自主研发的变频驱动系统，可实现变频调速，变频启动。

- 1, the air system completely oil-free, carbon pollution, cleaner.
- 2, less moving parts, simple structure, high reliability, long service life.
- 3, no need to replace the oil and oil filters, no waste disposal problems, more environmentally friendly.
- 4, when working static and dynamic scrolls do not touch, vibration, low noise.
- 5, operating costs are very low, you can save tens of thousands of dollars each year.

### 无油涡旋机组设计特点

Oil-free scroll air compressor design features:

- 1、空气纯度高，含油量极低。
- 2、搭载智能彩色液晶控制系统，运行更优化。
- 3、噪音低，可直接放置在生产车间内，几乎无干扰。
- 4、保养费用低，无易损件，降低维护频率，节约使用。
- 5、运行费用极低，每年可为你节省上百万元的费用。



- 1, air purity is high, oil content is very low.
- 2, equipped with intelligent color liquid crystal control system, more optimized operation.
- 3, low noise, can be directly placed in the production room, almost no interference.
- 4, maintenance costs are low, no wearing parts, do routine maintenance; you can rest assured that use.
- 5, the operating costs are very low, you can save tens of thousands of dollars each year.

### 无油涡旋机组规格表

Oil-free scroll air compressor specification table

| 工作压力<br>Pressure<br>bar | 空气流量<br>Air protrusion<br>L/min | 排气接口<br>Exhaust interface<br>inch | 噪音值<br>Noise value<br>dB(A) |
|-------------------------|---------------------------------|-----------------------------------|-----------------------------|
| 0.6-1.0                 | 770                             | 3/4"                              | 60±2                        |
| 0.6-1.0                 | 1050                            | 3/4"                              | 60±2                        |
| 0.6-1.0                 | 1540                            | 1-1/2"                            | 64±2                        |
| 0.6-1.0                 | 1820                            | 1-1/2"                            | 66±2                        |
| 0.6-1.0                 | 2100                            | 1-1/2"                            | 66±2                        |
| 0.6-1.0                 | 2330                            | 1-1/2"                            | 63±2                        |
| 0.6-1.0                 | 3000                            | 1-1/2"                            | 67±2                        |
| 0.6-1.0                 | 3180                            | 1-1/2"                            | 68±2                        |

o, equipped with independent development of the compressor body, the pursuit of higher performance, better use experience.

### 无油涡旋机组规格表

| 型号 Model | 马达输出功率<br>Motor output power |     | 额定气压<br>Rated pressure<br>bar | 空气突出量<br>Air protrusion<br>L/min | 排气接口<br>Exhaust interface<br>inch | 噪音值<br>Noise value<br>dB(A) |
|----------|------------------------------|-----|-------------------------------|----------------------------------|-----------------------------------|-----------------------------|
|          | kW                           | HP  |                               |                                  |                                   |                             |
| ASF-B03A | 0.22                         | 0.3 | 8                             | 250                              | 3/8"                              | 60±2                        |
| ASF-B03B | 0.22                         | 0.3 | 10                            | 250                              | 3/8"                              | 60±2                        |
| ASF-B05A | 3.7                          | 5   | 8                             | 410                              | 1/2"                              | 63±2                        |
| ASF-B05B | 3.7                          | 5   | 10                            | 355                              | 1/2"                              | 63±2                        |
| ASF-B08A | 5.5                          | 8   | 8                             | 570                              | 3/4"                              | 64±2                        |
| ASF-B08B | 5.5                          | 8   | 10                            | 460                              | 3/4"                              | 64±2                        |

| 型号 Model | 马达输出功率<br>Motor output power |    | 额定气压<br>Rated pressure<br>bar |
|----------|------------------------------|----|-------------------------------|
|          | kW                           | HP |                               |
| ASL-C08A | 5.5                          | 8  | 0.6                           |
| ASL-C10A | 7.5                          | 10 | 0.6                           |
| ASL-P15A | 5.5                          | 15 | 0.6                           |
| ASL-P18A | 7.5                          | 18 | 0.6                           |
| ASL-B20A | 7.5                          | 20 | 0.6                           |
| ASL-C22A | 5.5                          | 22 | 0.6                           |
| ASL-P25A | 7.5                          | 25 | 0.6                           |
| ASL-C28A | 7.5                          | 30 | 0.6                           |

The modular color LCD panel display is equipped with a high performance microcomputer control unit. The display will display the status of the digital display and various fault warning. Easy to understand and realize the best man-machine interface.

| 型号 Model | 外形尺寸<br>Dimensions<br>mm | 重量<br>Weight<br>kg | 噪音值<br>Noise value<br>dB(A) | 排气接口<br>Exhaust interface<br>inch | 噪音值<br>Noise value<br>dB(A) |
|----------|--------------------------|--------------------|-----------------------------|-----------------------------------|-----------------------------|
| ASF-B18A | 2.2*1+3.7*2              | 18                 | 925                         | 1"                                | 72±2                        |
| ASF-B18B | 2.2*1+3.7*2              | 18                 | 1070                        | 1"                                | 72±2                        |
| ASF-P20A | 3.7*4                    | 20                 | 1600                        | 1"                                | 72±2                        |
| ASF-P20B | 3.7*4                    | 20                 | 1100                        | 1"                                | 72±2                        |
| ASF-B22A | 5.5*3                    | 22                 | 1710                        | 1"                                | 74±2                        |
| ASF-B22B | 5.5*3                    | 22                 | 1470                        | 1"                                | 74±2                        |
| ASF-P25A | 5.5*3+2.2                | 25                 | 1600                        | 1"                                | 74±2                        |
| ASF-B25B | 5.5*3+2.2                | 25                 | 1630                        | 1"                                | 74±2                        |
| ASF-B27A | 5.5*3+2.2                | 27                 | 2120                        | 1-1/2"                            | 74±2                        |
| ASF-P27A | 5.5*3+2.2                | 27                 | 1825                        | 1-1/2"                            | 74±2                        |
| ASF-B30A | 5.5*4                    | 30                 | 2280                        | 1-1/2"                            | 74±2                        |
| ASF-P30A | 5.5*4                    | 30                 | 1960                        | 1-1/2"                            | 74±2                        |

# 应用领域 application



4S店(车等喷漆)/新能源大巴(制动、雨刷气门),  
4S store (car painting)/new energy bus (brake, wiper valve),



医疗器械(牙医、制氧等医疗气源)  
Medical instruments (dentist, oxygen and other medical resources)



电子工业(装配清洁用气)  
Electronics industry (assembly, cleaning, etc.)



制药工业(制药业的搅拌)  
Pharmaceutical industry (stirring in pharmaceutical industry)



食品工业(制造业的包装),  
Food industry (packaging in manufacturing),



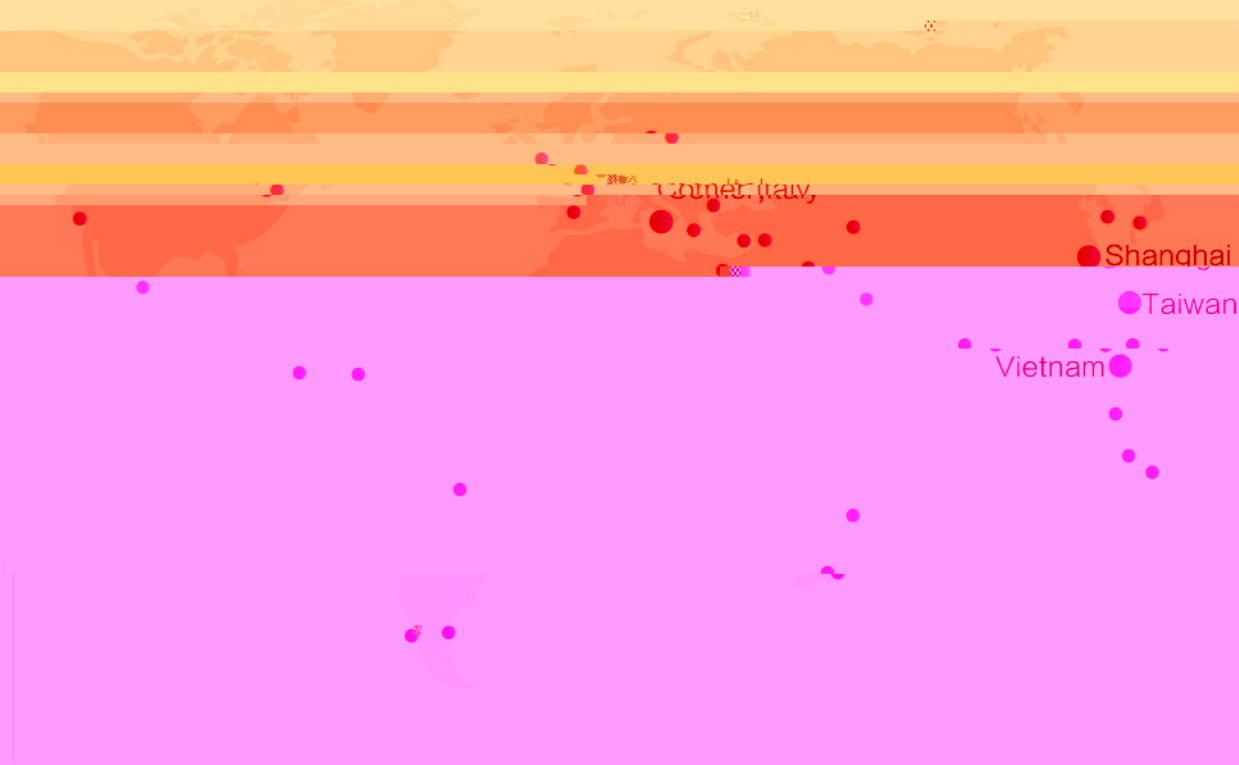
纺织工业(喷气织机),  
Textile industry (jet looms),



气体处理设备(脱硫脱硝脱硫剂再生装置),  
Gas treatment equipment (desulfurization, denitrification, desulfurization agent regeneration device),

# 服务与支持

# Service And Support



汉钟精机经过多年的努力与用心经营,从点的销售、线的推广到今天面的网络。建立了世界主要市  
络。

台湾桃园厂与大陆上海厂的双重支持,能带给客户最完善的服务,在各地区分公司与经销商的有效支  
一个角落,都能得到及时的售后支持与保证。

我们一直秉承“客户至上”的经营理念,为客户提供最优质、最快捷、最完善的售前、售中、售  
质的销售与服务。

我们以“世界第一”为目标,为创立中国人的骄傲奋斗不懈。“HANBELL”将会

Vision:

Committed, Hanbell is being widely used and has a bright future in the

world. We will continue to improve our products and services to meet the

needs of our customers and provide the best quality products and services

in the global market and industry.