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ASE/ASJ 系列

涡旋式空气压

缩机



#### 公司简介

发展历程

产品

服务网络

联系我们

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上海市浦东新区川沙新镇川沙路1111号

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#### 联系我们

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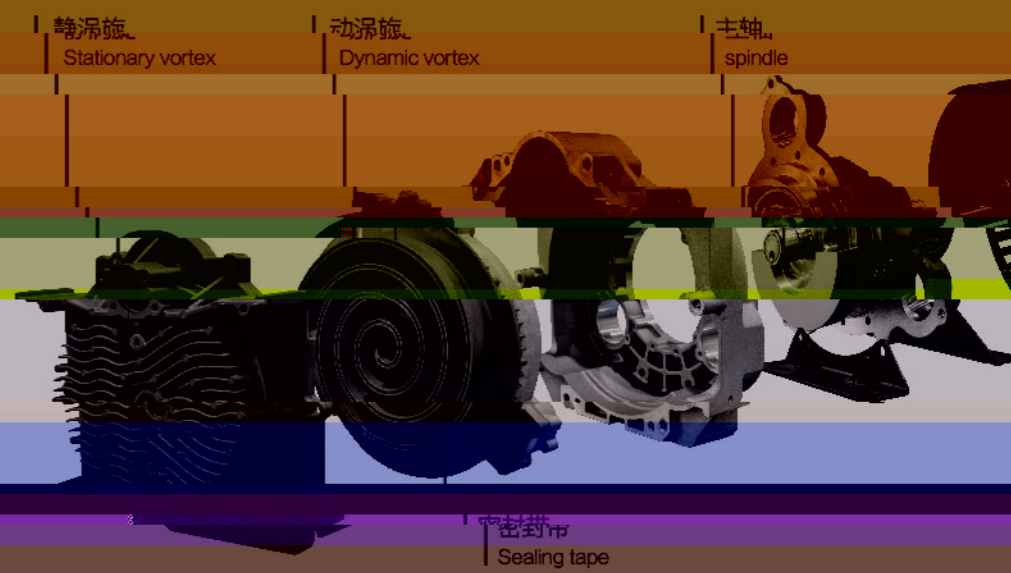
www.hanbell.com.cn

## 无油涡旋式压缩机原理

### Principle of oil-free scroll compressor

汉钟涡旋压缩机采用专利型线的动静涡盘相互啮合而成完成吸气、压缩和排气的过程。其中静涡盘固定在机架上不动，为高转速的动涡盘在启动前自转初期给气腔提供密封的容积。启动后，动涡盘在静涡盘的外围面与静涡盘的内圈面之间吸气，随着动涡盘的旋转，气体在静涡盘的外圈面与动涡盘的内圈面之间被压缩，然后由静涡盘的内圈面排出。

Hanzhong Scroll Compressor uses a patented line of stationary and dynamic scrolls to complete the suction, compression and discharge process. The stationary scroll is fixed on the frame and does not move. The dynamic scroll, which rotates at high speed, provides a sealed volume for the gas chamber before starting. After starting, the dynamic scroll rotates around the stationary scroll, sucking gas between the outer surface of the dynamic scroll and the inner surface of the stationary scroll. As the dynamic scroll rotates, the gas is compressed between the outer surface of the dynamic scroll and the inner surface of the stationary scroll, and then discharged from the inner surface of the stationary scroll.



### 无油涡旋机体规格表

额定功率 Rated Power	额定电压 Rated Voltage	额定流量 Rated Flow	额定压力 Rated Pressure
1.5KW	220V	1.5m³/min	0.8MPa
2.2KW	220V	2.2m³/min	0.8MPa
3.0KW	220V	3.0m³/min	0.8MPa
4.0KW	220V	4.0m³/min	0.8MPa
5.5KW	220V	5.5m³/min	0.8MPa
7.5KW	220V	7.5m³/min	0.8MPa
11KW	220V	11m³/min	0.8MPa
15KW	220V	15m³/min	0.8MPa
22KW	220V	22m³/min	0.8MPa
30KW	220V	30m³/min	0.8MPa
40KW	220V	40m³/min	0.8MPa
55KW	220V	55m³/min	0.8MPa
75KW	220V	75m³/min	0.8MPa
110KW	220V	110m³/min	0.8MPa
150KW	220V	150m³/min	0.8MPa

### 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。

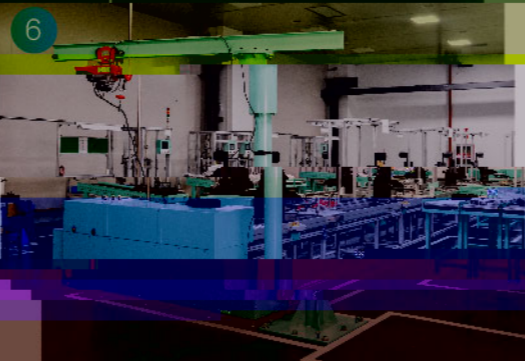
### Intelligent manufacturing

"Industry 4.0", "smart manufacturing" is the development trend of manufacturing. Hanzhong as a fluid mechanical and electrical industry leader, always walk in the forefront of technology development. Hanzhong intelligent 4.0 has improved the intelligent level of Hanzhong, reduce energy consumption, improve production efficiency, energy saving and environmental protection, achieve a pollution-free green intelligent factory.

- 1、磨床加工机  
Grinding machine
- 2、车床加工机  
Lathe machine
- 3、三次元量床  
Coordinate measurement machine
- 4、表面粗糙度测量床  
The surface roughness measuring bed
- 5、零件清洗系统  
Parts cleaning system
- 6、涡旋机体组装线  
Scroll assembly line
- 7、涡旋机体检测中心  
Scroll body inspection center
- 8、涡旋空压机组装线  
Assembly line of scroll compressor
- 9、涡旋机性能检测中心  
Scroll machine performance test center

风扇  
Fan

驱动滑轮  
Drive pulley



强大的产品  
为每一辆汽车设计

Powerful products  
Designed for every car

汉钟无油涡旋压缩机，是首屈一指最先进的气体压缩机之一。与传统的往复式压缩机相比，汉钟无油涡旋压缩机具有体积小、重量轻、噪音低、寿命长、维护简单、运行可靠等优点。汉钟无油涡旋压缩机广泛应用于汽车、工业、医疗、农业、食品、包装、印刷、纺织、冶金、化工、环保、能源、电子、通信、航空航天等领域。



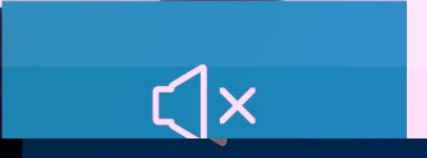
超低重量  
LOW WEIGHT.

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



超高节能  
ULTRA-HIGH ENERGY

智能控制，循环启动和停止控制以节省能源。  
Intelligent control, cycle start and stop control to save energy.



超低运行成本  
LOW LIFECYCLE COSTS

易于操作和维修，无磨损部件。  
Easy to operate and repair, no wearing parts.



高可靠性  
HIGH RELIABILITY

swirl 设计优化，超精密制造。  
Swirl design optimization, ultra precision manufacturing.



↑  
高容积效率  
60%  
最高转速  
12000转/分

无油涡旋压缩机规格表

Oil-free scroll air compressor specification sheet

型号 Model	马达输出功率 Motor output power		额定气压 Rated pressure	空气夹出量 Air protrusion	排气接口 Exhaust interface	噪音值 Noise value
	HP	HP	bar	L/min	inch	dB(A)
ASF-05BI	2.2	3	8	~250	1/2"	64
ASF-08AI			10	215		
ASF-08BI	3.7	5	8	410	1/2"	65
ASF-03AI			10	355		
ASF-03BI	5.5	8	8	570	3/4"	66
ASF-03BI			10	490		

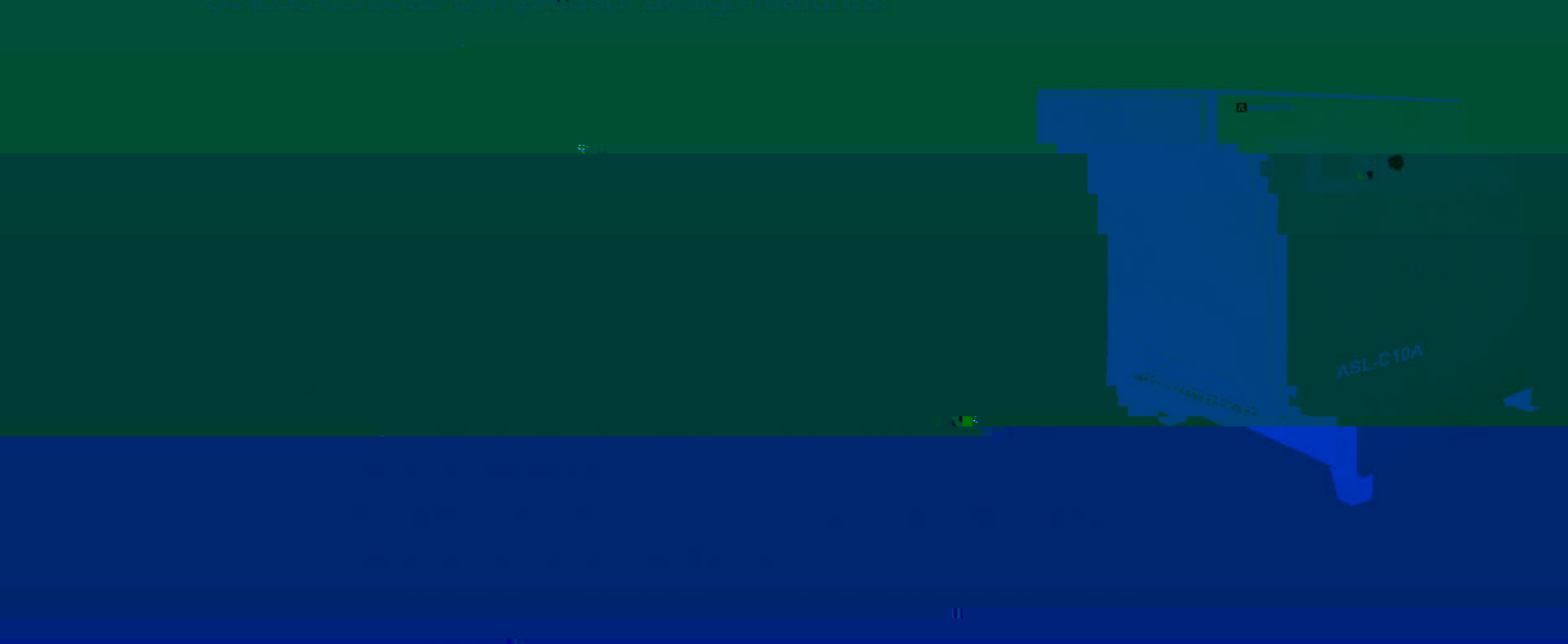
### 无油涡旋机组设计特点:

Oil-free scroll unit design features:



### 微油涡旋机组设计特点:

Oil-less scroll air compressor design features:



### 无油涡旋机组规格表 Oil-free scroll air compressor unit specification table.

噪音值  
noise value  
dB(A)

### 微油涡旋机组规格表

Oil less scroll air compressor specification table

型号 Model	额定输出功率 Motor output power		额定气压 Rated pressure	空气排放量 Air protrusion	排气接口 Exhaust interface	尺寸 Size
	kW	HP				
ASL-C10A	1.5	2.0	10	10L/min	1.5 inch	1000*500*400
ASL-C15A	2.2	3.0	10	15L/min	1.5 inch	1000*500*400
ASL-C20A	3.0	4.0	10	20L/min	1.5 inch	1000*500*400
ASL-C25A	3.7	5.0	10	25L/min	1.5 inch	1000*500*400
ASL-C30A	4.5	6.0	10	30L/min	1.5 inch	1000*500*400
ASL-C40A	5.5	7.5	10	40L/min	1.5 inch	1000*500*400
ASL-C50A	7.5	10.0	10	50L/min	1.5 inch	1000*500*400
ASL-C60A	9.0	12.0	10	60L/min	1.5 inch	1000*500*400
ASL-C80A	11.0	15.0	10	80L/min	1.5 inch	1000*500*400
ASL-C100A	15.0	20.0	10	100L/min	1.5 inch	1000*500*400
ASL-C120A	18.0	24.0	10	120L/min	1.5 inch	1000*500*400
ASL-C150A	22.0	30.0	10	150L/min	1.5 inch	1000*500*400
ASL-C200A	28.0	38.0	10	200L/min	1.5 inch	1000*500*400
ASL-C250A	35.0	47.0	10	250L/min	1.5 inch	1000*500*400
ASL-C300A	42.0	56.0	10	300L/min	1.5 inch	1000*500*400
ASL-C400A	55.0	74.0	10	400L/min	1.5 inch	1000*500*400
ASL-C500A	70.0	94.0	10	500L/min	1.5 inch	1000*500*400
ASL-C600A	85.0	114.0	10	600L/min	1.5 inch	1000*500*400
ASL-C800A	110.0	148.0	10	800L/min	1.5 inch	1000*500*400
ASL-C1000A	140.0	188.0	10	1000L/min	1.5 inch	1000*500*400

