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关爱 · 敬业 · 诚信 · 创新 · 卓越  
Care · Dedication · Integrity · Innovation · Excellence



版本号: SH90SAM-C-2019



股票代码: 602138

www.hanbell.com.cn

## 品质典范 Quality Paradigm

节能环保 高效安全  
Energy saving | High efficiency | Safety

## SAM系列

### 涡旋式空气压缩机

## SAM Series Oil-free Scroll Compressor

另行通知。  
上海汉钟精机有限公司对产品不断改进,保留设计变更权,如有变更,恕不另行通知。

# 汉钟 HANBELL

“品质、环境、安全政策”

“Quality, Eco-friendly, Safety”

• 品质挂帅，物超所值

Excellent quality, reasonable price

• 顾客满意，安全高效

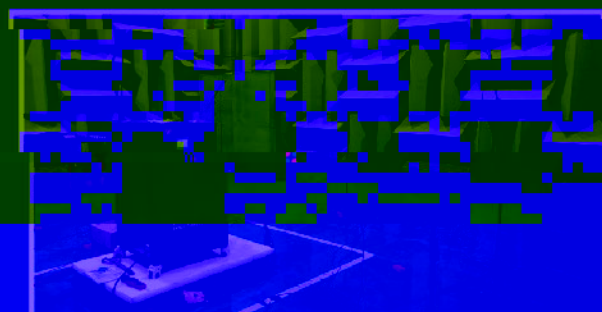
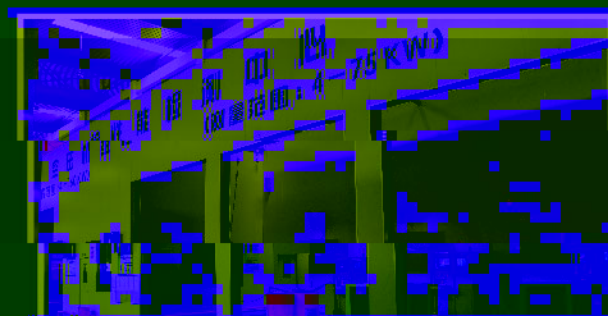
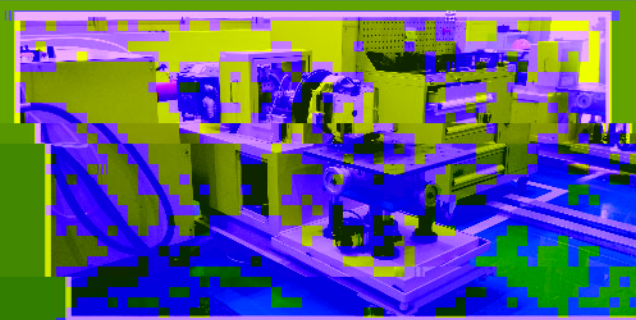
Customer satisfaction, Safety and efficiency

• 节能减排，生态环境

Energy-saving, eco-friendly

• 遵纪守法，不断改善

Observe law, keep improving



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### 汉钟简介

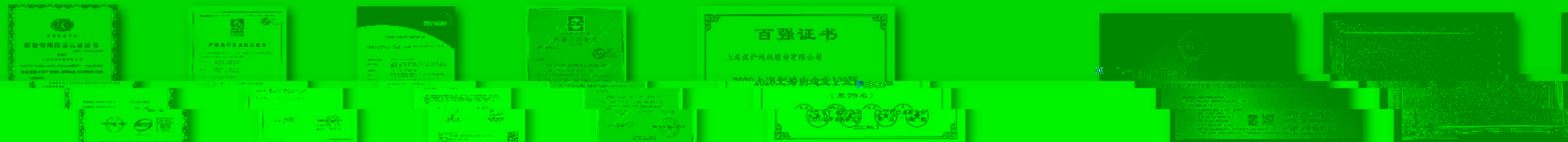
上海汉钟压缩机股份有限公司是专业的涡旋式压缩机及相关产品制造工厂，在空调、冷冻冷藏、包装空气、真空包装等，领域均是行业(行业领导)品牌制造商。

汉钟拥有专业的设计研发人才，持续出新不断创造新的产品服务业界。训练有素的生产团队，可以及时满足客户提出的相关规格要求；具有多年经验的服务人员，使客户无后顾之忧。

历经多年淬炼，汉钟在本行业已具有一致的品牌声誉，为成为世界知名品牌，不懈努力，深耕中国市场，并不断以自有品牌HANBELL开拓海外市场。

高精度设备、自动化仓储、AGV、完整测试实验室与有效率的物流管理，加上品质、环境安全管理系统的有效运行，保证了汉钟产品品质性、物超所值的竞争力承诺。汉钟系列产品每年都以高速增长创造着令人惊叹的业绩。秉持诚信、创新、共赢的经营理念，与全球客户建立互信、共赢根基，不断提供优质的产品和服务，深耕流体机械行业。

### 荣誉证书



### About Hanbell

Shanghai Hanbell Precise Machinery Co., Ltd. is a professional scroll compressor and related products manufacturing factory, in the field of air conditioning, refrigeration, packaging air, vacuum packaging, etc., are industry (industry leader) brand manufacturer.

After years of development, Hanbell has gained a certain reputation in this industry. As a manufacturer, Hanbell has continuously worked hard to develop the domestic market and overseas markets with its own brand HANBELL.

High precision equipment, automated warehouse, AGV, complete test laboratory and efficient logistics management, plus quality, environmental safety management system's effective operation, guaranteed Hanbell products quality, value for money competitiveness commitment. Hanbell products every year with high growth rate creating amazing performance. Upholding the concept of integrity, innovation, win-win cooperation, with global customers to establish mutual trust, win-win foundation, continuously provide high quality products and services, deeply cultivate the fluid machinery industry.

无油涡旋式压缩机原理

Working Principle



静涡旋  
Fixed scroll

动涡旋  
Orbiting scroll

主轴  
Spindle

Fixed scroll

动涡旋  
Orbiting scroll

空气  
Air



密封带  
Sealing ring

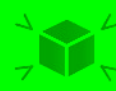
风扇  
Fan

驱动带轮  
Drive pulley



低重量

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



小体积

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



低噪音

Low noise  
确保环境的舒适  
Environmental friendly



高能效

Energy saving  
智能控制，循环启停控制节约能耗。  
Intelligent control, cycle start and stop control to save energy



低运营成本

LOW LIFECYCLE COSTS  
易操作和维修，无易损件。  
Easy to operate and maintain, no wearing parts.



高可靠性

HIGH RELIABILITY  
涡旋设计更加，超精密加工。  
Scroll design optimization, ultra precision machining.

无油涡旋机组设计特点

Design Features

8、搭载自主开发的压缩机系统，涡旋电机效率更高，更好的使用体验。

- 1, Obtain TUV Class 0 oil-free certification for SAM series
- 2, No oil and carbon pollution in the system
- 3, Less moving parts, simple structure, high reliability, long service life
- 4, No need to replace the oil and oil filters, no waste disposal problems, more environmental friendly
- 5, No contact of the scroll with the scroll ring, no friction, no wear, no carbon deposition, no oil pollution
- 6, Almost no wearing parts, less maintenance work, lower maintenance costs
- 7, Equipped with self-developed air end to achieve higher performance and better user experience
- 8, Equipped with self-developed air end to achieve higher performance and better user experience



模块化彩色液晶显示器，配备高性能微处理器，显示运行的状态和各种故障预警，操作简单易懂，人机界面搭配佳。

The modular color LCD display will display the status of the compressor and various warning. Friendly user interface, easy to use.

▶ SAM系列无油涡旋机组技术参数表  
Technical Specifications

型号 Model	电机功率 Motor (kW)	排气压力 Discharge Pressure (bar)	容积流量 Capacity FAD (L/min)	出口尺寸 Outlet size (inch)	噪音 Noise dB(A)	机组净重 Net weight (kg)	机组外形尺寸 Dimensions (L*W*H)mm
SAM-04A	3.7	8	410	G 1/2"	65	210	700*650*920
		10	355				
		8	410	G 1/2"	65	210	700*650*920
SAM-06A	5.5	8	610	G 3/4"	65	250	730*650*1020
				G 1/2"	58	300	718*718*1080
SAM-08A	3.7*2	8	820	G 3/4"	65	450	1350*818*1100
SAM-11A	5.5*2	8	1220	G 1"	62	500	1350*818*1100
SAM-15A	5.5*4	8	1640	G 1"	67	600	1500*818*1800
SAM-16A	5.5*3	8	1830	G 1"	66	600	1500*818*1400
SAM-22A	5.5*4	8	2440	G 1-1/4"	67	750	1500*818*1800

1、SAM-04/06A可选配内置不锈钢储气罐，容积：15L；  
SAM-04/06A can be optionally equipped with a built-in stainless steel gas storage tank, with a capacity of 15L.

2、噪音值为满负载时，在无回音室内距离机组正面1.5m处测得值。根据实际运行工况的不同，或受周围环境噪音以及实际设置状态的影响，所测数值将略有偏差。

the noise value is tested when the unit is at full load, and it is measured at a distance of 1.5m from the front of the unit in the anechoic room. The measured values may deviate slightly depending on the actual operating conditions, or due to the influence of ambient noise and actual setting status.

3、上述技术参数依据ISO1217，吸气温度：20℃；相对湿度：60%；吸气压力：0.1MPa。

The above technical parameters measured according to ISO1217, Air inlet temperature: 20℃; Relative humidity: 60%; Inlet pressure: 0.1MPa

4、除标准电压为380V，三相，50Hz，若有需求其他规格，请接洽汉钟销售人员。

Standard voltage 380V, three-phase, 50 hz, If you need other specifications, please contact Hanbell sales staff

5、若有其他功率机型之需求，请接洽汉钟销售人员。

If you need other power models, please contact Hanbell sales staff

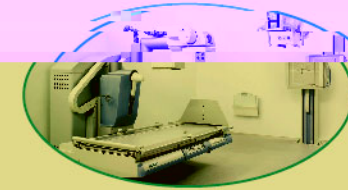
6、本公司持有所有相关设计修改权利，最终参数以实际为准。

The company holds the right to design and modify all specifications, and the final specifications are based on the machine entity

▶ 应用领域  
Application



4S店汽车喷漆/新能源车台(制动/雨刷气路)  
4S shop (car spray painting) / new energy car platform (brake/wiper air line)



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



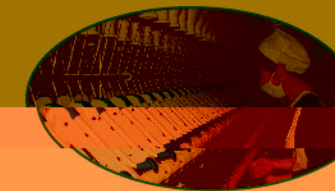
电子工业(装配清洁用气)  
Electronics industry (assembly, cleaning, gas)



制药工业(制药业的搅拌)  
Pharmaceutical industry (agitation of pharmaceuticals)



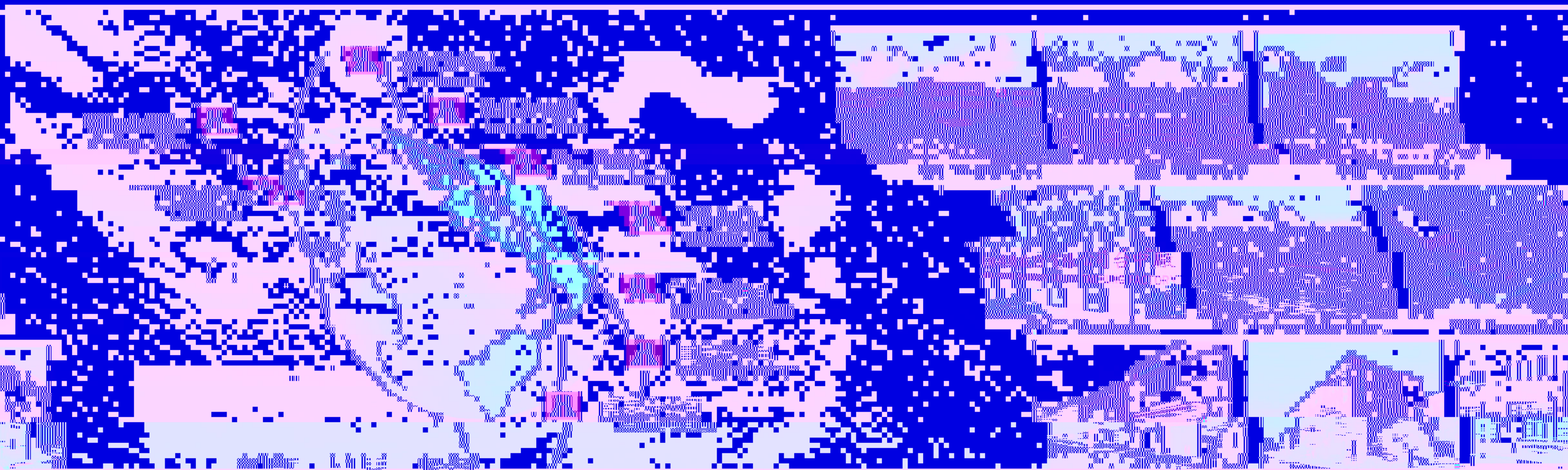
食品工业(酿造业的搅拌) ...  
Food industry (agitation of brewing industry)



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



气体分离设备(吸附和膜分离制氧、制氮)  
Gas separation equipment (adsorption and membrane separation of oxygen and nitrogen)



**五洲医药集团**

五洲医药集团是中国医药行业首家上市企业，拥有完整的医药产业链，产品覆盖化学药、生物药、中药、医疗器械、医药商业、医药研发、医药服务等领域。

五洲医药集团拥有完善的质量管理体系，通过了ISO9001、GMP、GAP、GSP、HACCP等认证，确保产品质量安全有效。

五洲医药集团拥有强大的研发实力，建有多个研发中心和实验室，致力于新药研发和现有产品的改良。

五洲医药集团拥有完善的生产体系，建有多个生产基地，具备大规模生产能力，能够满足国内外市场需求。

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