

文化传承 绿色家园

Continue our culture of building green home

未来，我们将抓住机遇，自主创新，加大公司产品自主化、多元化、品牌化。励志成为世界空压机知名生产企业，在空压机行业的发展道路上，高歌前行！

In future, we will continue to innovate independently, increase our product line. Endeavor to become one of top air compressor manufacturers in the world!

GUANGDONG HANDE PRECISION MACHINERY CO., LTD.



Air Compressor
Manufacturer



国家级高新技术企业
National High and New Technology Enterprises



广东省专精特新企业
Provincial SRDI Enterprises

汉德
汉创未来 德行天下
Creating Future with Virtue

广东汉德精密机械股份有限公司

2023V6



广东汉德精密机械股份有限公司

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有关产品详情，请联系下列分公司：

Please contact our sales office in your city for details of our products:



广东汉德精密机械股份有限公司
GUANGDONG HANDE PRECISION MACHINERY CO., LTD.

更节能
More Energy Saving

更高效
Higher Efficiency

更环保
Greener

空气压缩机专业制造商

Professional Manufacturer of Air Compressor

汉德新工业园



HANDE GROUP

汉德集团

汉德集团，因追求而卓越！
凝聚宏伟气魄，让市场领略到科技的无限风光。
我们将空压机技术延伸至
——更节能、更高效、更环保的境界。

HANDE Group, being excellent by pursuing!
Gathering magnificent courage, presenting infinity of technology.
We are extending the technology of air compressor to the higher
level of energy saving, efficacy and environmental protection.

汉德旗下品牌 / Our Brands



引领环保，点亮科技⁺

Leading Environmental Protection and Brightening Technology

全球服务热线：400-897-0566
Global Service Hotline





COMPANY PROFILE

关于汉德

广东汉德精密机械股份有限公司成立于2016年，位于美丽的博罗园洲镇，东江河畔。主导产品为汉德牌双级压缩和永磁变频节能型螺杆空压机，是一家掌握螺杆空压机核心技术的国家高新技术企业，也是广东省专精特新企业，专注于双级压缩空压机、永磁变频空压机等节能空压机的研发、生产和销售。

企业拥有近50000平方米的规范、标准、现代化的装配车间，并配置先进的自动化加工设备。每年研发投入1000多万元，拥有50多项包括发明专利、实用新型和软件著作权在内各类知识产权。

汉德秉持精益求精理念，苛求产品品质，通过精益化的生产和管理，用细节彰显卓越性能确保产品的稳定性和可靠性，严格把控产品设计、制造、检测、销售和服务整个过程，为用户提供能耗更低的空压机设备以及企业用气需求的整体解决方案。

汉德产品销售形成以珠三角为中心，辐射广东地区，以上海为次中心辐射长三角地区，东北、西北、西南和华北均有布局，国内已有32家运营中心。国外立足东南亚，开拓日本、韩国、台湾、中东、俄罗斯、南美等新兴市场。现正在积极努力开拓国际市场，已经在越南、泰国、马来西亚、印尼、孟加拉成立运营中心，正逐步布局全球，实现品牌 and 市场的全球化。

20万平方米的第一期工业园已经建成，正在进行设备安装调试。新的工业园将引进全系列自动化生产线，生产制造智能化、数字化，产值和规模将会翻番。第二期工业园也正在规划中。

Founded in 2016, Guangdong HanDe Precision Machinery Co., Ltd. is located in Huizhou City of Guangdong Province in Southern China. Main products of the company are Permanent Magnet Frequency Conversion air compressors in both single and dual stage compression.

The company is the National High and New Technology Enterprise that masters the core technology of screw air compressor, also the Provincial SRDI Enterprise (SRDI: Specialized, Refinement, Differential, Innovation), owning 50,000 m² modern assembly factories with advanced automated processing equipment, has Annual R&D investment at 10 million Yuan, owning more than 50 Intellectual Property rights, invention patents, utility models and software copyrights.

HANDE adheres to the concept of excellence demanding product quality, through lean production and management, highlighting excellent performance with details to ensure product stability and reliability, and strictly controls the entire process of product design, manufacturing, testing, sales and service, to provide users with lower energy consumption of air compressor equipment and enterprise air needs of the overall solution.

The company is having 32 sales centers in the most cities in China, and currently is expending business in the international market actively. We are trading with customers from Japan, South Korea, Taiwan, the Middle East, Russia, South America and other emerging markets. Southeast Asia is our major market, we have set up our own sales centers in Vietnam, Thailand, Malaysia, Indonesia and Bangladesh so far.

The 1st phase of 200 thousand square meter industry park has been constructed, production equipment is being installed. In the new park, we use automated production lines to achieve intelligent and digital production and manufacturing. Production value and scale will be doubled. The 2nd phase is being planned.



HANDE⁺
GROUP 汉德集团

空气压缩机专业制造商
Professional Manufacturer of Screw Air Compressor



办公中心 / Office Centre

PRODUCTION⁺ CAPABILITY

生产实力



研发团队 / R&D Team



喷粉车间 / Coating Workshop



检测车间 / Testing Workshop



配件仓库 / Component Warehouse



成品仓库 / Finished Goods Warehouse



装配车间 / Assembly Workshops



装配车间 / Assembly Workshops

CORPORATE QUALIFICATIONS

公司资质

★ 资质证书 Qualification Certificate



高新技术企业

专精特新企业

中国著名品牌



企业TUV认证



企业CE认证



企业CE认证

★ 专利证书 Patent Certificate



发明专利



实用新型专利



实用新型专利



外观设计专利

★ 认证证书 Certification of Quality



质量管理体系认证



质量管理体系认证



环境管理体系认证



环境管理体系认证



产品质量安全认证



产品质量安全认证



荣耀之路，是品质不断超越的里程
The road to glory is a journey of ever-surpassing quality.

ORGANIZATIONAL STRUCTURE

组织架构

公司拥有完善的管理层机构，通过各个行政职能部门对公司的创新研发、生产经营、财务管理、人力资源管理、资本运作等运营环节进行有效管理和控制。

The company has a sound management structure, through the various administrative functions of the company's innovative research and development, production and operation, financial management, human resources management, capital operation and other operational links for effective management and control.



BUSINESS PHILOSOPHY

企业理念



双螺杆转子
Twin Screw Rotors

1

创新研发 节能高效

Innovation Research and Development, Energy-Saving and High Efficiency

汉德，拥有多项专利认证，凭借多年在空压机行业的丰富经验和对国际工艺技术的掌握，联合螺杆空压机专业研发团队，不断创新，造就出最适合客户需求的高效节能空压机。

HANDE owns a number of patent certifications. Relying on years of rich experience in the industry of air compressor and mastery of international technology, it has developed a professional research and development team who constantly innovating to create the most suitable, highly efficient and energy-saving air compressor for customers.

2

精益求精 品质卓越

Quality Excellence, Perfection Pursuit

汉德，秉持精益求精理念，苛求产品品质，通过精益化的生产和管理，用细节彰显卓越性能。引进国际先进的自动化加工设备，确保产品的稳定性和可靠性。遵循ISO 9001质量管理体系，严格把控产品设计、制造、检测、销售和服务整个过程，为用户提供能耗更低的空压机设备，以及企业用气需求的整体解决方案。

HANDE adheres to the quality excellence, pursuit of perfection, and demonstrates excellent performance with details through production and management. The introduction of international advanced automatic processing equipment to ensure product stability and reliability. HANDE strictly follows the ISO9001 quality management system throughout the whole process of product design, manufacturing, testing, sales and services. We provide customers industrial air compressor and the overall solution of air demand with excellent quality and lowest energy consumption.

3

优质服务 造就口碑 Reputation from Best Services

质量，我们永恒的主题。诚信，我们永久的精神。服务，我们永远的宗旨。

汉德，不断推出高品质、高效率的空压机设备。

产品涵盖永磁变频空压机，利用更少电能提供更多压缩空气和风量调节范围，是目前比较节能的空压机新机型。较工频空压机节能15%至38%，较普通变频节能5%至10%。系统用风量波动越大，节能效果越明显。

双级压缩螺杆机是目前技术含量最高也是目前最节能的空压机。产气量大，噪音小，耗能低；较单级压缩螺杆机节能高达50%。

汉德作为优质的空气压缩机制造商，客户遍布全球。配备专业客服及维修人员，满足不同客户对空压机的技术咨询、使用和维护等服务需求，持续为客户创造价值。

Quality, our eternal theme

Service, our permanent aim.

Integrity, our permanent spirit

HANDE, continuously launches high-quality efficient air compressors. Our product range covers "Permanent Magnet Variable Frequency Air Compressor" and "Two Stage Compression Air Compressor".

The permanent magnet variable frequency air compressor provides more compressed air and wider air volume adjustment range with less power. Compared with fixed speed drive compressor, the energy saving is 15% to 38%, and 5% to 10% compared with common variable frequency compressor. The larger fluctuation of air consumption, the more obvious effect of energy saving. The two-stage compressor presents the highest technology and the most energy-savings of air. More air output, lower noise, lower energy consumption. It saves up to 50% on energy more than single-stage compressor.

HANDE, being a quality air compressor manufacturer, our customers are all over the world. Our professional customer service staff and maintenance teams are around you to meet your needs on technical consulting, machine use and maintenance, and continue to create value for customers.

**HANDE⁺
GROUP 汉德集团**

空气压缩机专业制造商
Professional Manufacturer of Air Compressor

PRODUCT APPLICATION 产品应用行业

螺杆式空压机应用范围很广泛：重、轻工业、矿山、水电、海港、工程建设、油气田、铁路、交通、船舶制造、能源、军工等行业。

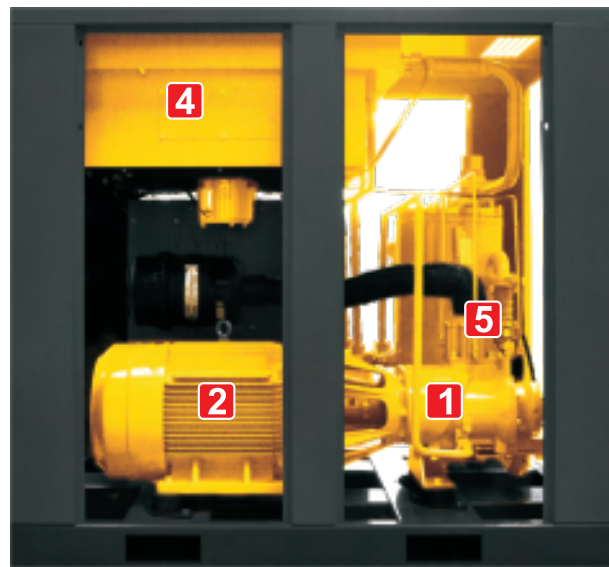
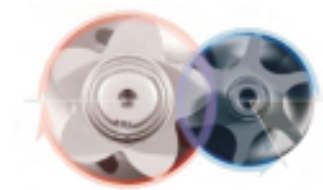
The application range of screw air compressor is very wide: heavy, light industry, mining, hydropower, seaport, engineering construction, oil and gas fields, railways, transportation, shipbuilding, energy, military industry and other industries.



DEVICE⁺ SOLUTION

产品解决方案

汉德采用国际先进的加工设备，确保产品的稳定性和可靠性。
创新始终贯穿于研发和生产的每个环节，不断推出高品质、高质量的空压机设备。
一流的生产设备、检测设备及精湛的技术，打造高品质的产品。



HANDE uses internationally advanced processing equipment to ensure product stability and reliability, and continuously introduces high-tech and high-quality products to the market. Innovation runs through every process of R&D and production. First class assembly and testing equipment, exquisite craftsmanship to create highest quality aircompressors.

1 高效节能螺杆主机

Highly Efficiency and Energy Saving Rotary screw Air End

主机采用大转子、低转速设计，内含两个独立压缩单元。高效、低噪音、低振动、高可靠性，每级压缩比小，泄露更小，容积效率更高。相同功率下由两个机头承担负荷，轴承受力小，寿命更长。

The air end is designed with big rotor rotating at low speed, it contains two independent compression units. It features high efficiency low noise, low vibration, high reliability, low compression ratio in each stage, less leakage loss and higher volume efficiency. Under the same power, two units take the load, lower the load on each bearing making the part longer life.

2 高效节能永磁电机

Highly Efficient and Energy Saving Permanent Magnetic Motor

主电机是根据空压机应用的需要精心选择的防护等级IP54高效节能永磁电机，全部达到国家一级能效标准，扭矩和负载都能满足特殊设计标准，以便在负载条件下电机效率和功率系数最优化。这个优化的系数相比其他电机效率大约有5%~8%的优势。

The motors are high efficiency and energy-saving permanent magnet motors with protection level of IP55. They are strictly selected according to the requirements of applications of air compressor. They all meet the Grade 1 energy efficiency national standard. Both torque and load can meet special design standard so as to achieve optimization of motor efficiency and power factors under loading condition. The optimized coefficient has about 5%~8% advantage comparing with other motors.

3 高效节能油分系统

Highly Efficient Energy Saving Filter System

高效油气分离器，特殊的筒体设计，聚集式分离芯以及回油装置的组成，使用寿命6000小时，油过滤器，低压降设计，使用寿命高达4000小时，高过滤精度有效保护轴承和螺杆机转子。

空气过滤器，进行过滤时不用改变空气流动方向，直接穿过过滤媒介，减少压力损失，比传统空滤更节能，过滤面积大，精密度更高，寿命更长。

High efficiency oil-air separator with unique and simplified design, aggregated separator core and oil return device, its service life is 6,000 hours. Oil filter uses low-pressure design with service life reaching as long as 4,000 hours, and the high filtering degree protects bearing and rotor. Filter does not change the direction of air flow. Air directly runs through filtering media. It reduces the loss of air pressure, saves more energy than traditional filter, has larger filtering area, higher degree of compactness and longer life.

4 绝佳设计的冷却系统

Perfect Designed Cooling System

采用高效翅片式大面积换热冷却器，换热量盈余30%，冷却效果更佳，可在环境温度45℃下正常工作。

It adopts highly efficient fintype cooler with large heat exchanging area, surplus of heat exchange of 30% and better cooling result, it can normally operate under the environment temperature at 45℃.

5 节能进气控制系统

Energy Saving Air Inlet Control System

专业化设计的新型一体式进气阀，进气调整范围0~100%，容调阀调节，压力损失小，动作稳定，寿命长，进气阀关键零件电磁阀采用国际知名品牌，保证螺杆压缩机的绝对运转安全和经济控制。

New type of integrated inlet value with professional design, air inlet adjustable range is between 0-100%. It has valve regulation with small pressure lose, stable movement and long life. As the key part of inlet, magnetic valve adopts famous international brand that absolutely guarantees the operating safety as well as the economical operating control of air compressor.

6 智能型微电脑控制系统

Intelligent Micro Computer Control System

操作简单，可实现中/英文、繁体切换，空滤/油滤/油气分离器/润滑油，使用时间智能监控及管理，更有远程监控功能，供用户选择。

Simple operation system, user language switches between English and Chinese. It intelligently monitors and manages air filter, oil filter, oil separator, lubricating oil as well as running time. Furthermore, it has remote monitoring and control functions to be chosen by user.

7 变频器

Frequency Converter

采用通用变频器构成变频调速传动系统，节约能源、降低生产成本，提高劳动生产率、改善产品质量。

Adopts universal frequency converter forming variable speed power transmission system, it saves energy, reduces production cost, increases productivity and improve product quality.



双级永磁变频螺杆式空压机

Two Stage Compression Permanent Magnet
Frequency Conversion Screw Air Compressor



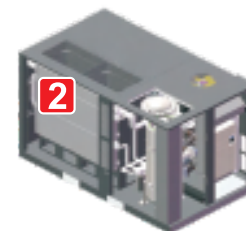
空气压缩机专业制造商

Professional Manufacturer of Air Compressor



1 独立进排风通道 Independent Air-in and Air-out Channels

同时可实现空气滤清器、电动机和电箱的独立进风；避免箱体内部的热量被空气滤清器和电动机吸入；保证清洁气体进入。
Independent Air-in for air filter, motor and the electric box, stops the inner heat going into air filter and motor, keeps the clean air coming in.



2 多段高效冷却器 Multistage and High-efficient Cooler

减小冷却器热胀冷缩引起应力变形，拆装更换方便。
Reduce stress deformation caused by heat expansion and cold contraction of the cooler. More convenient for disassembly and replacement.



3 油气桶采用顶升旋转，方便维修保养 Jack-and-rotate Cover of Separator Tank for Easy Maintenance

油气桶盖采用顶升旋转，所有管路在油气桶桶体，桶盖无任何管件接头；方便维护保养，再大的机器都可单人操作。
Air-oil separator tank adopts jack-and-rotate cover. All pipes at tank body, no pipe fittings on cover making maintenance easy, even a big machine can be operated by single person.



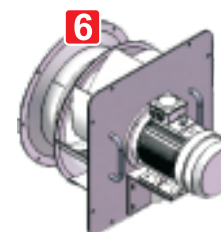
4 采用温控油滤座，规避卡停故障 Temperature Control Oil Filter Avoiding Stuck Fault

采用平面密封混流的温控油滤座，规避现款分流式活塞温控阀容易卡停的故障。
The flat-sealed mixed-flow temperature control oil filter is used to avoid stuck fault the normal shunt type piston valves usually happen.



5 超一级能效 Surpass the Top 1 of Energy Efficiency Rating

大转子，低转速，双级压缩，低压比高效率，高可靠性。空压机已达到全系列超一级能效。
Big rotors with low rotation, two-stage compression creating high efficiency and high reliability. Products surpass the Top 1 of Energy Efficiency Rating.



6 低速大直径离心风机 Low Rotation and Large Centrifugal Fan

低速大直径离心风机结构简单，运行效率高，运行稳定，噪音低，散热效果好。
The simple structure of low rotation speed and large diameter centrifugal fan has high operation efficiency, stable operation, low noise and good heat dissipation effect.



永磁变频双级压缩螺杆式空压机技术参数
Technical Parameter Table of EPM Double-stage Compression Screw Air Compressor

参数 Parameters	机型 Model	HD-EPM2T37	HD-EPM2T45	HD-EPM2T55	HD-EPM2T75	HD-EPM2T90	HD-EPM2T110
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure		6.8/0.8	8.2/0.8	11.6/0.8	15.6/0.8	18.5/0.8	21.0/0.8
		5.8/1.0	7.4/1.0	9.1/1.0	11.6/1.0	15.6/1.0	18.5/1.0
		5.4/1.2	6.6/1.2	9.0/1.2	11.3/1.2	14.5/1.2	16.0/1.2
环境温度 Ambient Temperature	℃	-5~+45					
冷却方式Cooling Mode		风冷 / Air-Cooling					
排气温度 Discharge Temperature	℃	≤环境温度+15℃ / Ambient Temp+15℃					
润滑油量 Lubricant Requirement	升/Liter	48	48	80	80	85	95
噪音Noise	Db(A)	75±2	75±2	78±2	78±2	82±2	82±2
驱动方式 Driven mode		直联 / Direct Drive					
电源 / 频率范围 Voltage / Frequency		380V/50Hz/3Ph					
功率Power	KW	37	45	55	75	90	110
启动方式 Starting Mode		变频启动 / Variable Frequency Start					
外型尺寸 Dimension	长Length mm	1950	1950	2590	2590	2990	2990
	宽 Width mm	1100	1150	1500	1500	1700	1700
	高 Height mm	1390	1390	1640	1640	1963	1963
重量 Weight	kg	950	980	1890	1960	2200	2360
出口管径 Air Outlet Pipe Diameter	inch	Rp1,1/2	Rp1,1/2	DN50	DN50	DN65	DN65

参数 Parameters	机型 Model	HD-EPM2T132	HD-EPM2T160	HD-EPM2T185	HD-EPM2T200	HD-EPM2T220	HD-EPM2T250
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure		24.7/0.8	31.0/0.8	35.5/0.8	40.0/0.8	45.0/0.8	50.0/0.8
		21.3/1.0	26.0/1.0	31.0/1.0	35.5/1.0	40.0/1.0	45.0/1.0
		18.5/1.2	24.7/1.2	26.0/1.2	32.0/1.2	35.5/1.2	40.0/1.2
环境温度 Ambient Temperature	℃	-5~+45					
冷却方式Cooling Mode		风冷 / Air-Cooling					
排气温度 Discharge Temperature	℃	≤环境温度+15℃ / Ambient Temp+15℃					
润滑油量 Lubricant Requirement	升/Liter	96	160	185	195	195	195
噪音Noise	Db(A)	82±2	85±2	85±2	85±2	85±2	85±2
驱动方式 Driven mode		直联 / Direct Drive					
电源 / 频率范围 Voltage / Frequency		380V/50Hz/3Ph					
功率Power	KW	132	160	185	200	220	250
启动方式 Starting Mode		变频启动 / Variable Frequency Start					
外型尺寸 Dimension	长Length mm	2990	3450	3450	3820	3820	3820
	宽 Width mm	1700	1880	1880	1980	1980	1980
	高 Height mm	1963	2120	2120	2210	2210	2210
重量 Weight	kg	2445	4000	4050	5600	5700	6000
出口管径 Air Outlet Pipe Diameter	inch	DN80	DN80	DN80	DN125	DN125	DN125

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Note: Our Products are in continuous optimization, parameters are subject to change without prior notice.

永磁变频双级压缩螺杆式空压机技术参数（低压机系列）
Technical Parameter Table of EPM Double-stage Compression Screw Air Compressor

参数 Parameters	机型 Model	HD-EPM2T37	HD-EPM2T45	HD-EPM2T55	HD-EPM2T75	HD-EPM2T90	HD-EPM2T110
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure		8.2/0.5	9.3/0.5	15.6/0.5	19.1/0.5	21.1/0.5	25.5/0.5
环境温度 Ambient Temperature	℃	-5~+45					
冷却方式 Cooling Mode		风冷 / Air-Cooling					
排气温度 Discharge Temperature	℃	≤环境温度+15℃ / Ambient Temp+15℃					
润滑油量 Lubricant Requirement	升/Liter	48	48	80	85	95	95
噪音Noise	Db(A)	75±2	75±2	78±2	80±2	82±2	82±2
驱动方式 Driven mode		直联 / Direct Drive					
电源 / 频率范围 Voltage / Frequency		380V/50Hz/3Ph					
功率Power	KW	37	45	55	75	90	110
启动方式 Starting Mode		变频启动 / Variable Frequency Start					
外型尺寸 Dimension	长Length mm	1950	1950	2590	2990	2990	2990
	宽 Width mm	1100	1150	1500	1700	1700	1700
	高 Height mm	1390	1390	1640	1963	1963	1963
重量 Weight	kg	950	990	1890	2200	2280	2430
出口管径 Air Outlet Pipe Diameter	inch	Rp1,1/2	Rp1,1/2	DN50	DN65	DN65	DN65

参数 Parameters	机型 Model	HD-EPM2T132	HD-EPM2T160	HD-EPM2T185	HD-EPM2T200	HD-EPM2T220
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure		31.5/0.5	36.7/0.5	41.5/0.5	45.8/0.5	51.0/0.5
环境温度 Ambient Temperature	℃	-5~+45				
冷却方式Cooling Mode		风冷 / Air-Cooling				
排气温度 Discharge Temperature	℃	≤环境温度+15℃ / Ambient Temp+15℃				
润滑油量 Lubricant Requirement	升/Liter	160	185	195	195	195
噪音Noise	Db(A)	85±2	85±2	85±2	85±2	85±2
驱动方式 Driven mode		直联 / Direct Drive				
电源 / 频率范围 Voltage / Frequency		380V/50Hz/3Ph				
功率Power	KW	132	160	185	200	220
启动方式 Starting Mode		变频启动 / Variable Frequency Start				
外型尺寸 Dimension	长Length mm	3450	3450	3820	3820	3820
	宽 Width mm	1880	1880	1980	1980	1980
	高 Height mm	2120	2120	2210	2210	2210
重量 Weight	kg	3920	4000	5550	5700	5800
出口管径 Air Outlet Pipe Diameter	inch	DN80	DN80	DN125	DN125	DN125

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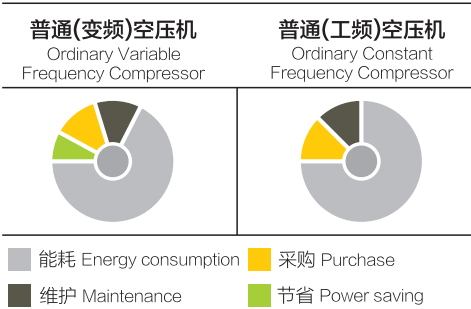


永磁变频压缩机

Permanent Magnet Variable Frequency Air Compressor



永磁变频空压机
Permanent Magnet Variable Frequency Compressor



永磁变频压缩机产品特点

Features of Permanent Magnet Variable Frequency Compressor

- 1.高效永磁电机，相比普通三相异步电机，节能约6-7%；
- 2.采用最新一代型线主机，一体轴结构，紧凑稳定，能效高；
- 3.智能变频技术，永磁变频空压机相对普通工频空压机节能30%；
- 4.拥有多项专利技术；
- 5.工业物联网功能。

- 1.High efficiency PM motor saves energy 6-7% comparing with common 3-phase asynchronous motor.
- 2.Adopts latest air end and 1-shaft structure for more compact, stable and efficient.
- 3.Use intelligent inverter technology, PM VF compressor saves energy up to 30%.
- 4.Owns numbers of patented technologies.
- 5.Industrial LOT functionality.

全新节能配置比普通工频机电省30%

The new energy-saving configuration saves electricity by 30% comparing with ordinary constant frequency machine.



永磁电机

利用更小电能提供更多压缩空气和气流调节范围；较工频空气压缩机节能15%-38%，较普通变频节能5%-10%。系统用气量波动越大、节能效果越明显。

Permanent Magnet Motor

Using less power to provide more compressed air as well as larger range of air volume adjustment. 15%-38% savings on electricity comparing with ordinary constant frequency machine, and 5%-10% to ordinary variable frequency machine. More obvious effect of energy saving where the greater fluctuation of air use.



永磁变频压缩机技术参数

Technical Parameter Table of Permanent Magnet Variable Frequency Screw Air Compressor

参数 Parameters	机型 Model	HD-VPM7D5	HD-VPM11	HD-VPM15	HD-VPM18D5	HD-VPM22	HD-VPM30	HD-VPM37	HD-VPM45	HD-VPM55
排气量/排气压力 (m³/min/MPa)		1.0/0.8	1.8/0.8	2.2/0.8	3.0/0.8	3.6/0.8	5.0/0.8	6.3/0.8	7.3/0.8	9.2/0.8
F.A.D/Max Working Pressure		0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.5/1.0	5.25/1.0	6.6/1.0	8.2/1.0
		0.72/1.2	1.2/1.2	1.7/1.2	2.1/1.2	2.7/1.2	3.6/1.2	4.5/1.2	5.2/1.2	7.1/1.2
环境温度	℃	-5~+45								
Ambient Temperature										
冷却方式Cooling Mode		风冷 / Air-Cooling								
排气温度	℃	≤环境温度+15℃ / Ambient Temp+15℃								
Discharge Temperature										
润滑油量	升/Liter	4	9	10	14	16	20	23	46	
Lubricant Requirement										
噪音Noise	Db(A)	66±2	66±2	66±2	68±2	68±2	72±2	72±2	78±2	78±2
驱动方式		永磁同步 / Permanent Magnet Synchronous								
Driven mode										
电源/频率范围		380V/50Hz/3Ph								
Voltage/Frequency										
功率Power	KW	7.5	11	15	18.5	22	30	37	45	55
启动方式		变频启动 / Variable Frequency Start								
Starting Mode										
外型尺寸	长Length mm	900	1080	1080	1080	1080	1080	1200	1250	1800
Dimension	宽 Width mm	670	750	750	850	850	850	1000	1000	1250
	高 Height mm	880	1000	1000	1200	1200	1200	1400	1510	1670
重量 Weight	kg	170	225	231	291	308	324	505	507	1020
出口管径	inch	Rp1/2	Rp3/4	Rp3/4	Rp1	Rp1	Rp1	R1,1/2	R1,1/2	Rp2
Air Outlet Pipe Diameter										

参数 Parameters	机型 Model	HD-VPM75	HD-VPM90	HD-VPM110	HD-VPM132	HD-VPM160	HD-VPM185	HD-VPM200	HD-VPM220	HD-VPM250
排气量/排气压力 (m³/min/MPa)		12.6/0.8	15.0/0.8	19.8/1.8	23.2/0.8	26.6/0.8	30.4/0.8	32.0/0.8	38.2/0.8	42.5/0.8
F.A.D/Max Working Pressure		11.0/1.0	13.8/1.0	16.8/1.0	20.5/1.0	22.6/1.0	26/1.0	30.2/1.0	33.2/1.0	39.7/1.0
		9.5/1.2	12.3/1.2	14.8/1.2	17.4/1.2	19.5/1.2	22.8/1.2	26.3/1.2	30.5/1.2	35.8/1.2
环境温度	℃	-5~+45								
Ambient Temperature										
冷却方式Cooling Mode		风冷 / Air-cooling								
排气温度	℃	≤环境温度+15℃ / Ambient Temp+15℃								
Discharge Temperature										
润滑油量	升/Liter	49	63	80	80	95	175	175	175	175
Lubricant Requirement										
噪音Noise	Db(A)	83±2	83±2	85±2	85±2	88±2	88±2	88±2	88±2	88±2
驱动方式		直联 / Direct Drive								
Driven mode										
电源 / 频率范围		380V/50Hz/3Ph								
Voltage / Frequency										
功率Power	KW	75	90	110	132	160	185	200	220	250
启动方式		变频启动 / Variable Frequency Start								
Starting Mode										
外型尺寸	长Length mm	1800	1900	2300	2300	2500	3600	3600	3600	3600
Dimension	宽 Width mm	1250	1250	1470	1470	1600	2100	2100	2100	2100
	高 Height mm	1670	1810	1840	1840	1900	2280	2280	2280	2280
重量 Weight	kg	1130	1290	1970	2010	2800	3100	3100	3600	3800
出口管径	inch	Rp2	Rp2	Rp2, 1/2	Rp2, 1/2	Rp2, 1/2	DN100	DN100	DN125	DN125
Air Outlet Pipe Diameter										

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Different voltage and other special models can be customized, please contact our sales.



工频压缩机

Fixed Speed Screw Air Compressor



普通(工频)空压机
Ordinary Constant
Frequency Compressor



- 能耗 Energy consumption
- 维护 Maintenance
- 采购 Purchase
- 节省 Power saving

工频压缩机产品特点

Features of Constant Frequency Compressor

工频压缩机采用行业领先的螺杆主机，高效、低转速、第三代齿形，领先的型线设计；具有静音、节能、稳定、高可靠性及使用寿命长等特点、低速行业特制电机，稳定性高，比同类产品能效提成3-5%。直联结构，传动效率100%，拆解方便，维护简单，大大节约停机时间。采用低速风机，寿命长，噪音低，冷却器及风机可独立拆卸，20%的冷却富余量，也适应50℃的超高环境温度。工频压缩机配备智能控制系统，通过对排气压力、温度等现场数据检测分析，配合进气阀将排气压力控制在预置压力区间，保证稳定的压力输出。

Constant frequency air compressor adopts industry-leading screw air end, high efficiency and low rotating speed. Adopts the third generation tooth type of rotor, cutting-edge geometric desgins, stable, reliable, energy saving and long service life. Adopts unique low-speed motor, high stability, 3-5% more efficient than similar product. Direct connection struture with 100% transmission efficiency without any loss, low mainenance cost, easy disassembly, greatly reduces downtime. The coaxial integrated structure reduces the use of quick-wear parts, owns 100% transmission efficiency. Low speed fan is used for long life. The cooler and fan can be dismantled seperately. It can work in ambient temperature of 50℃. It is equipped with intelgent control system to ensure automatic and intelgent operaton and it detects output air pressure and temperature etc. The intake vave controls the output air compresure within a range preset for a stable output air pressure.

汉德提供螺杆空压机整机个性化定制，螺杆空压机OEM代加工，空压系统节能改造等综合性服务。

HANDE provides comprehensive services on air compressors, such as custom-made manufacturing service, OEM service and energy saving renovation system etc.



微电脑控制系统

环保耐用
振动小，噪音低
高效、重载、静音

Microcomputer control system

Environmental protection and durability.
Low vibration and low noise.
High efficiency, heavy load and silence.



工频压缩机技术参数

Technical Parameter Table of Fixed Speed Screw Air Compressor

参数 Parameters		机型 Model	HD-7D5	HD-11	HD-15	HD-18D5	HD-22	HD-30	HD-37	HD-45	HD-55	HD-75
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure			1.1/0.8	1.88/0.8	2.2/0.8	3.0/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.3/0.8	9.2/0.8	12.6/0.8
			0.9/1.0	1.2/1.0	1.9/1.0	2.2/1.0	3.2/1.0	4.2/1.0	5.25/1.0	6.6/1.0	8.2/1.0	11.0/1.0
			0.8/1.2	1.1/1.2	1.8/1.2	2.0/1.2	2.7/1.2	3.6/1.2	5.0/1.2	6.0/1.2	7.5/1.2	8.5/1.2
环境温度 Ambient Temperature		℃	-5~+45									
冷却方式 Cooling Mode			风冷 Air-Cooling									
排气温度 Discharge Temperature		℃	≤环境温度+15℃ (Environment Temp+15℃)									
润滑油量 Lubricant Requirement		升/Liter	4	9	10	14		16	20	23	46	49
噪音Noise		Db(A)	68 ± 2			70 ± 2		72 ± 2		74 ± 2		80 ± 2
驱动方式 Driven Mode			直联 / Direct Drive									
电源/频率范围 Voltage/Frequency			380V/50Hz/3Ph									
功率 Power		KW	7.5	11	15	18.5	22	30	37	45	55	75
启动方式 Starting Mode		直接启动 Direct Start	Y-△启动 Star-delta Start									
外型尺寸 Dimension	长Length mm	900	1080	1080	1380	1380	1380	1500	1500	1800	1800	
	宽 Width mm	670	750	750	850	850	850	1000	1100	1250	1250	
	高 Height mm	880	1000	1000	1160	1160	1160	1330	1510	1670	1670	
重量 Weight		kg	179	290	306	420	424	455	641	685	1130	1215
出口管径 Outlet Pipe Diameter		inch	Rp1/2	Rp3/4	Rp3/4	Rp1	Rp1	Rp1	Rp1,1/2	Rp1,1/2	Rp2	Rp2

参数 Parameters		机型 Model	HD-90	HD-110	HD-132	HD-160	HD-185	HD-200	HD-220	HD-250	HD-315	HD-355
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure			15.0/0.8	19.8/0.8	22.1/0.8	25.6/0.8	30.4/0.8	32.0/0.8	38.2/0.8	42.5/0.8	50.2/0.8	61/0.8
			13.8/1.0	16.8/1.0	19.5/1.0	22.6/1.0	26.0/1.0	28.0/1.0	33.2/1.0	39.7/1.0	44.5/1.0	56.5/1.0
			12.3/1.2	14.8/1.2	17.4/1.2	20.5/1.2	22.8/1.2	26.0/1.2	29.5/1.2	35.8/1.2	39.5/1.2	49/1.2
环境温度 Ambient Temperature		℃	-5~+45									
冷却方式 Cooling Mode			风冷或水冷Air or Water-Cooling									
排气温度 Discharge Temperature		℃	风冷Air -Cooling:≤环境温度+15℃(Environment Temp+15℃); 水冷Water-Cooling: <40℃									
润滑油量 Lubricant Requirement		升/Liter	63	80		95	175					
噪音 Noise		Db(A)	85±2				88±2			92±2		
驱动方式 Driven Mode			直联 Direct drive									
电源 / 频率范围 Voltage / Frequency			380V/50Hz/3Ph									
功率 Power		KW	90	110	132	160	185	200	220	250	315	355
启动方式 Starting Mode			Y-△启动 Y-△ Starter									软启动器启动
外型尺寸 Dimension	长Length	mm	1900	2300	2300	2500	3600	3600	3600	3600	3860	4300
	宽 Width	mm	1250	1470	1470	1600	2100	2100	2100	2100	2100	2100
	高 Height	mm	1810	1840	1840	1900	2280	2280	2280	2280	2280	2280
重量 Net Weight		kg	1230	1870	1990	2300	3100	3300	3300	3500	4100	4500
出口管径 Outlet Pipe Diameter		inch	Rp2	Rp2,1/2	Rp2,1/2	Rp2,1/2	DN100	DN125	DN125	DN125	DN125	DN150

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激光切割专用四合一螺杆式空压机

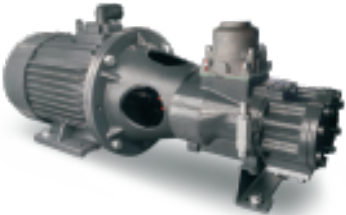
4-in-1 Screw Air Compressor for Laser Cutter

节能省电，拒绝浪费

无需安装 / 接电即用 / 易维护 / 可调压力

Save Energy, Save Electricity. Refuse to waste

No installation / Power and go / Easy maintenance / Adjustable pressure.



高效全铜电机

IP55、绝缘等级F级，连续运行设计

All Copper Motor, High Efficiency

IP 55, Insulation Grade F, Temperature Grade B, Design for Continuous Running



高等级变频器

汇川品牌实力保证、全球压缩机行业高端首选。

Advanced Inverter

INOVANCE brand strength guarantee, the global high-end users' preference.

高强度机体

高强度钢板冲压成型、充分保护设备部件。

High Strength Steel Cabinet

high strength steel cabinet fully protects components.

铝合金板式换热器

空气阻力小，耐腐蚀，充分换热，降低能耗35%。

Aluminum Alloy Plate Heat Exchanger

Low air resistance, corrosion resistance, full heat exchange, reduce energy consumption by 35%.

AH主机

- 1.20CrMnTi转子材质，L/D特殊设计。
- 2.钢制保持架，优化的轴承结构。
- 3.低含油量、低噪音、高效能，承载符合更大、高压高温环境下使用寿命更长、且稳定。
- 4.分体结构，振动小，噪音低
- 5.适合极端特殊场合使用
- 6.维护方便、稳定、可靠

I.HANBELL AH Airend

- 1.20CrMnTi rotor material, L/D special design,
- 2.Steel cage, optimized bearing structure,
3. Low oil content, low noise, high energy efficiency, longer service life and stability for using under larger, higher pressure and temperature environment,
4. Split structure, low vibration, low noise,
5. Suitable for extreme special occasions,
6. Easy to maintain, stable and reliable.

16-24KG Air Supply

Provide up to 2.4Mpa continuous constant pressured air Eliminate pressure difference between loading and unloading, improve working efficiency.

16-24KG供气

可提供高达24kg连续恒压供气，消除卸载压差，提高作业效率。



标配高效干燥机

空气品质高、保证压力露点，保护激光镜片及刀头

High Efficiency Dryer

High air quality, guaranteed pressure dew point ,Protect laser lens and cutting head



意大利品牌过滤器

为激光切割提供清洁气源，有效保护切割机镜片、减少压差降低能耗。

Italian Brand Filter

Provide clean air for laser cutting, protect the cutting lens,Reduce pressure differential and reduce energy consumption.



Green Energy Saving

361-418V宽电压设计

电压适应范围宽广、确保持续供能。

Design of 361V-418V Wide Voltage Input

Wider range of voltage input to ensure continuous energy supply.

内置初级排水

降低干燥机、过滤器负荷，保证空气品质

Built-in Drainage

Reduce dryer and filter load , ensure air quality.

激光切割四合一螺杆式空压机技术参数

Technical Parameter Table of 4-in-1 Combined Air Compressor for Laser Cutting

参数 Parameters		机型 Model	单位Unit	HDG-VPM15	HDG-VPM22
额定排气压力 Rated Discharge Pressure			Mpa	1.55	1.55
额定排气量 Rated Discharge Capacity			m³/min	1.2(AH077)	2.2(AH130)
后部冷却器出口温度 Exit Temperature of Rear Cooler			℃	≤环境温度+15℃/EnvironmentTemp+15℃	
输气口连接尺寸 Air Inlet/Outlet				G3/4	G1
冷却方式 Running Parameter				Air Cooling	Air Cooling
驱动方式 Driving Mode				Integrated	Integrated
储气罐容积 Air Tank Volume			L	400	400
吸气状态 Air Suction Type	温度 Temperature		℃	≤40	≤40
	压力 Pressure		kg/cm²(A)	1.033	1.033
	相对湿度 Relative Humidity		%	60	60
主电机 Main Motor	功率 Power		HP/kW	20/15	30/22
	转速 Speed		rpm	4900 (326Hz)	3400 (226Hz)
	启动方式 Starting Mode			Variable Frequency	Variable Frequency
	电压/频率范围 Voltage /Frequency		V/Hz	380V/130-326Hz	380V/90-226Hz
	绝缘等级 Insulation Class			F	F
	防护等级 Protect Level			P55	P55
风机 Fan Motor	功率 Power		KW	0.28	0.52
	转速 Speed (50Hz)		rpm	1300	1300
	电压/频率范围 Voltage /Frequency		V/Hz	380V/50HZ/3Ph	380V/50HZ/3Ph
冷干机 Air Dryer	型号Model No.			TR02- HD	TR03-HD
	功率 Power		KW	0.52	0.73
	额定处理气量 Rated Holding Air Capacity		m³/min	2.4	3.6
	电压/频率范围 Voltage /Frequency		V/Hz	220V/50Hz/3Ph	220V/50Hz/3Ph
	进气温度 The Inlet Gas Temperature≤		℃	≤65℃	≤65℃
运行参数 Running Parameter	卸载压力 Unloading Pressure		Mpa	1.55	1.55
	恢复加载压力 Recovery Loading Pressure		Mpa	1.4	1.4
	安全阀开启压力 Starting Pressure of Safety Valve		Mpa	1.7	1.7
	停机保护温度 Stop Protection Temperature		℃	110	110
外形尺寸 Product Size (L*W*H)			mm	1795X830X1650	1730X950X1850
机组重量 Product Weight			kg	420	480

注：本公司产品在不断优化中，参数如有变更，恕不另行通知。
Note: Our Products are in continuous optimization, parameters are sub ject to change without prior notice.



永磁分体变频螺杆式空压机

Permanent Magnet Frequency Conversion
Air Compressor – Coupling Type



永磁分体变频压缩机优势

Advantages of Permanent Magnet Frequency
Conversion Air Compressor in Coupling Version

相比普通三相异步电机，节能约6%–7%；

- 1.特制IP55变频电机,能效高
- 2.分体结构，振动小，噪音低
- 3.适合极端特殊场合使用
- 4.维护方便、稳定、可靠



Comparing with normal three-phase asynchronous
motor, the energy saving is about 6%–7%

- 1. Purpose-made IP-55 motor, high energy efficiency;
- 2. Coupling Structure for motor and airend, low vibration, low noise;
- 3. Suitable for extreme and special environments;
- 4. Easy to maintain, stable and reliable.

高效永磁电机

利用更小电能提供更多压缩空气和风量调节范围，较工频空气压缩机节能15%–38%，较普通变频节能5%–10%。系统用气量波动越大，节能效果就会越明显。

High Efficiency Permanent Magnet Motor

Using less power to provide more compressed air as well as larger range of air volume adjustment. 15%–38% savings on electricity comparing with normal constant frequency compressor, and 5%–10% to frequency conversion ones. More obvious effect of energy saving where the greater fluctuation of air used.

永磁分体变频压缩机技术参数

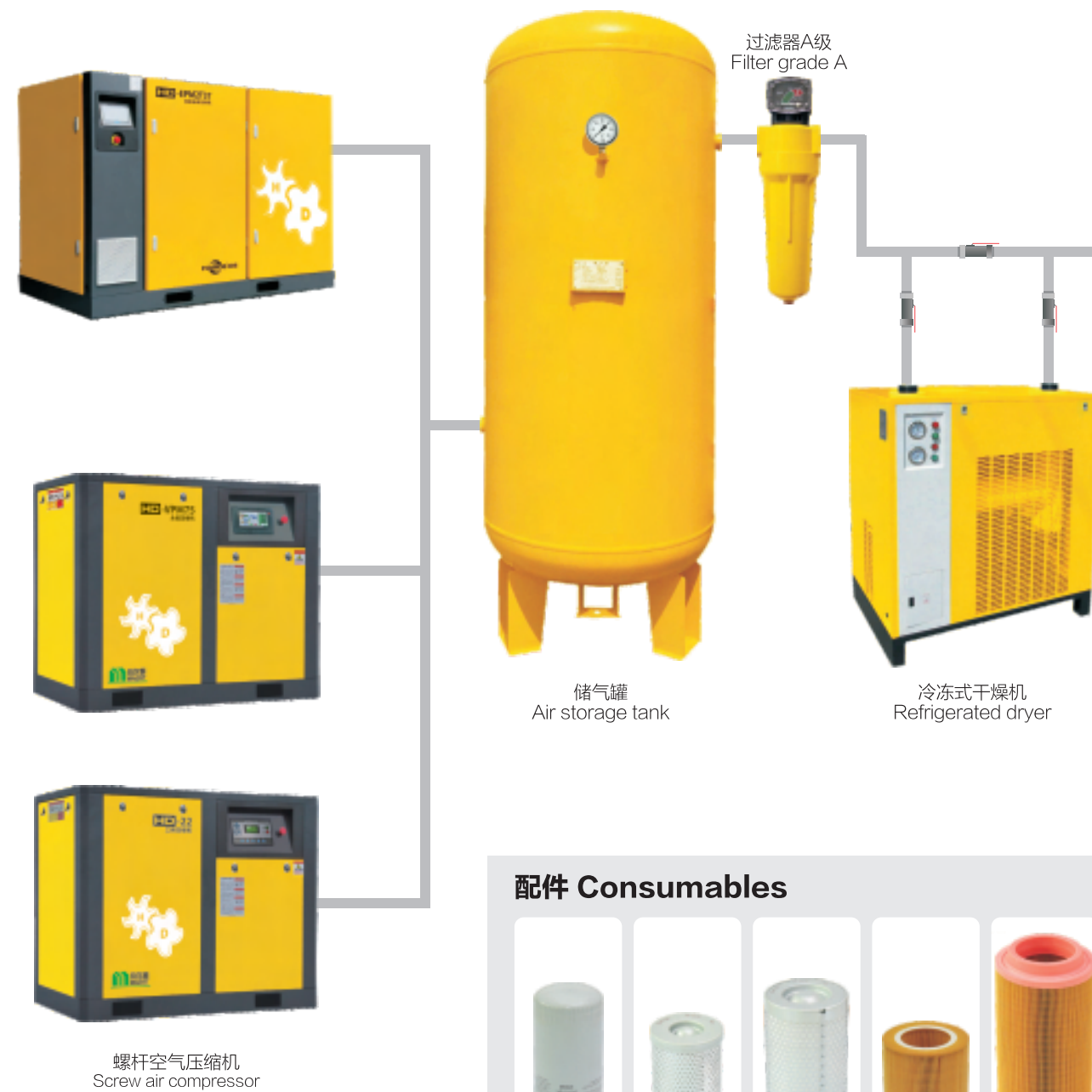
Technical Parameter Table of Permanent Magnet Frequency Conversion Coupling Type Air Compressor

参数 Parameters		机型 Model	HD-PM7D5	HD-PM11	HD-PM15	HD-PM18D5	HD-PM22	HD-PM30	HD-PM37
排气量/排气压力 (m³/min/MPa) F.A.D/Max Working Pressure			1.0/0.8	1.8/0.8	2.2/0.8	3.0/0.8	3.6/0.8	5.0/0.8	6.3/0.8
			0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.5/1.0	5.25/1.0
			0.72/1.2	1.2/1.2	1.7/1.2	2.1/1.2	2.7/1.2	3.6/1.2	4.5/1.2
环境温度 Ambient Temperature		℃	-5~+45						
冷却方式 Cooling Mode			风冷 Air-Cooling						
排气温度 Discharge Temperature		℃	≤环境温度+15℃(Environment Temp+15℃)						
润滑油量 Lubricant Requirement		升/Liter	4	10	10	14	14	14	20
噪音Noise		Db(A)	66 ± 2			68 ± 2			72 ± 2
驱动方式 Driven Mode			直联 / Direct Drive						
电源/频率范围 Voltage/Frequency			380V/50Hz/3Ph						
功率 Power		KW	7.5	11	15	18.5	22	30	37
启动方式 Starting Mode			变频启动 / Variable Frequency Start						
外型尺寸 Dimension	长Length mm		900	1080	1080	1080	1080	1080	1280
	宽 Width mm		670	750	750	850	850	850	1030
	高 Height mm		880	1000	1000	1200	1200	1200	1400
重量 Weight		kg	152	238	245	324	338	350	536
出口管径 Outlet Pipe Diameter		inch	Rp1/2	Rp3/4	Rp3/4	Rp1	Rp1	Rp1	Rp1, 1/2

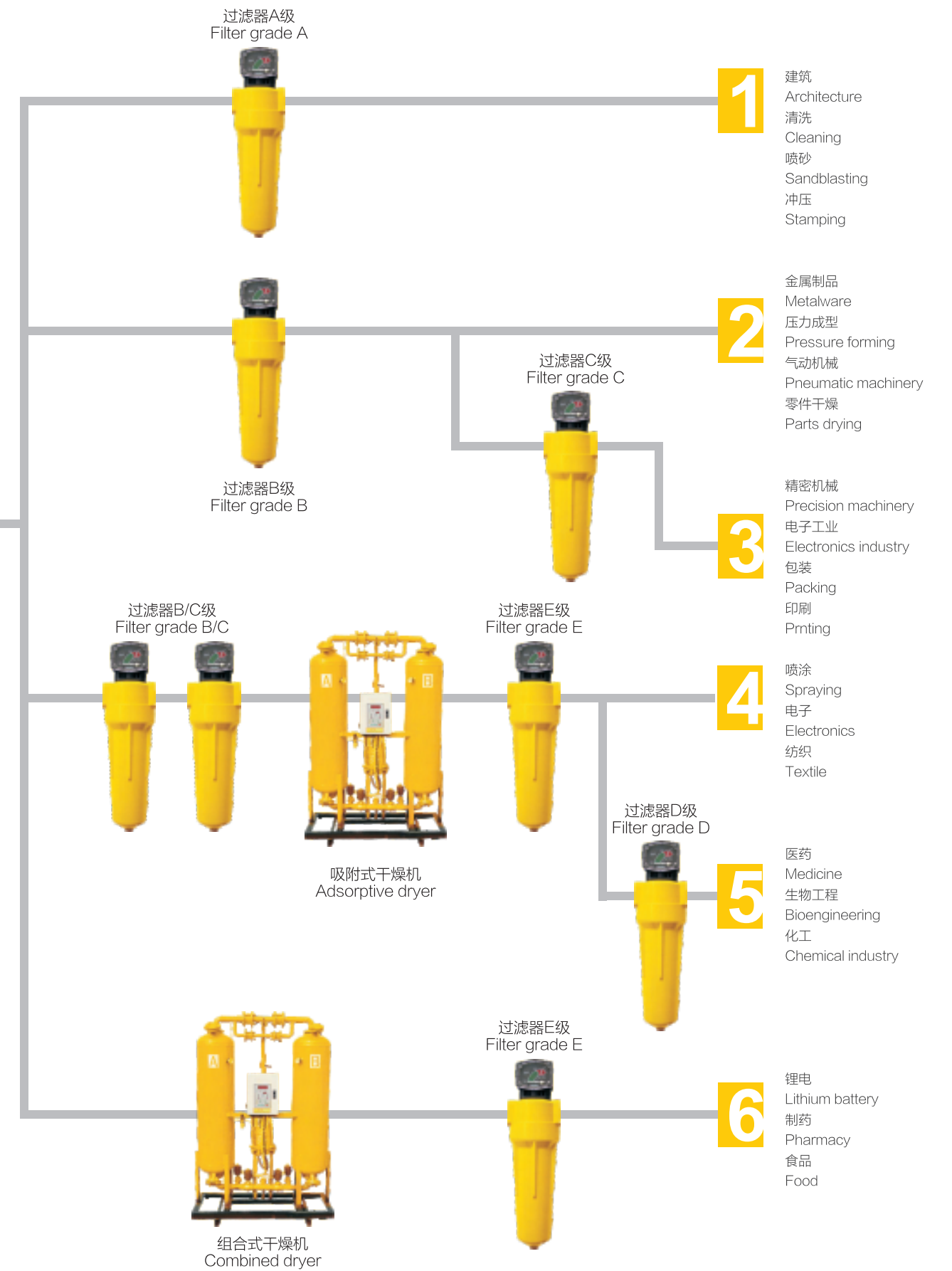
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COMPRESSOR AIR PURIFICATION SYSTEM FLOW CHART

压力空气净化系统流程图



配件 Consumables



SERVICE FLOW

服务流程



售前服务：

压缩空气系统技术咨询，现场工艺方案，技术参数确认和设备选型及空气净化系统解决方案。

售中服务：

系统安装调试。现场工艺解决方案；日常操作，维护保养培训，能耗节约选择方案及远程控制系统系统解决方案指导。

售后服务：

建立服务档案跟踪体系，根据设备运行状况和客户需求提供设备运行维护保养支持，全面提供设备故障处理和维修服务，完善的配件供应体系和充分的配件库存能力。在接到用户设备发生故障的申报，公司售后服务工程师在30分钟内作出响应。

无论售前、售中、售后、只需用户需求设备技术上的帮助和咨询，本公司将全力提供有关技术支持。

增值服务：

我们同时提供各型空压机的系统检测及各类压缩空气系统设备大修作业和系统升级业务。

Pre sale service:

Technical consultancy for compressed air system, site processing plan. Confirmation of technical Eparameter squipment selection and guidance of air purification solution.

Sale in service:

Service installation, machine alignment and trial running. On site processing solutions. Daiy operation and maintenance training. Guidance of energy saving option select and remote-control solution.

After-sale service:

Establish service file tracking system, provide equipment operation and maintenance support according to equipment operation status and customer needs, provide equipment fault handling and maintenance services, improve the spare parts supply svstem and adeauate spare parts inventory capacity. The companv's after-sales service engineer resnonds wthin 30 minutes after receiving the customer's erunment failure deciaraton. Whether pre- sale. in- sale, after- sales. as long as the user needs technical assistance and consultation equipment, the company will do its utmost to provide relevant technical support.

Value added services:

Filing system for service tracking. Operation and maintenance support according to equipment running status ano customer needs. Backing up by the perfect supplying svstem and adeauate inventory of spare parts, we can carrount any repairing and maintenance service for all aspect of equipment, our engineer wll respond within 30 minutes after receiving customer's reporting. We endeavor to provide technical support to customers at any stage fo tsales.

汉德坚信：服务源自专业，专业源自持续不断的创新与坚持！

Our Belief: Quality Services from High Professionalism. Professionalism from Continuous Innovation and Persistence.

SERVICE NETWORK

服务网络

目前正在积极开拓国际市场，逐步实现产品及品牌市场全球化。

全球服务热线：400- 897- 0566

Global Service Hotline

汉德销售网点

Hande Global Sales Offices

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广东，佛山运营中心	江苏，南通运营中心
广东，汕头运营中心	浙江，杭州运营中心
广西，南宁运营中心	浙江，温州运营中心
湖北，武汉运营中心	浙江，义乌运营中心
福建，厦门运营中心	辽宁，沈阳运营中心
湖南，湘潭运营中心	安徽，合肥运营中心
河南，郑州运营中心	贵州，贵阳运营中心
河北，石家庄运营中心	黑龙江，哈尔滨运营中心
山东，临沂运营中心	泰国，曼谷运营中心
江西，南昌运营中心	越南，胡志明运营中心
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云南，昆明运营中心	印度尼西亚，雅加达运营中心
四川，成都运营中心	持续更新中，期待您的加入！
四川，重庆运营中心	
天津，天津运营中心	
江苏，苏州运营中心	
江苏，常州运营中心	



汉德在产品研发、销售、以及售后服务保障建立起一套完整的专业体系，销售网点遍布全国各地，在广东、广西、湖北、福建、湖南、河南、山东、江西、陕西、云南、四川、浙江、江苏、天津、上海、重庆、山西、辽宁、安徽、河北、贵州、越南等地设立运营中心。

HANDE has established a complete system in product research and development, sales and customer services. Sales offices are all over the country. Branch companies are set up in Guangdong, Guangxi, Hubei, Fujian, Hunan, Henan, Shandong, Jiangxi, Shaanxi, Yunnan, Sichuan, Jiangsu, Zhejiang, Tianjin, Shanghai, Chongqing, Shanxi, Liaoning, Anhui, Hebei, Gui zhou provinces etc.