

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。正在打造“广东汉德空压机产业园”,立志成为世界空压机百强生产企业,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. Now Endeavor to build up “HANDE Air Compressor Industry Park” and to become one of top air compressor manufacturers in the world!



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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:

2022V1

GUANGDONG HANDE PRECISION MACHINERY CO., LTD



Air Compressor
Manufacturer

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
GUANGDONG HANDE PRECISION MACHINERY CO., LTD.

广东汉德精密机械股份有限公司



Air Compressor
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汉创未来 德行天下
Creating Future with Virtue

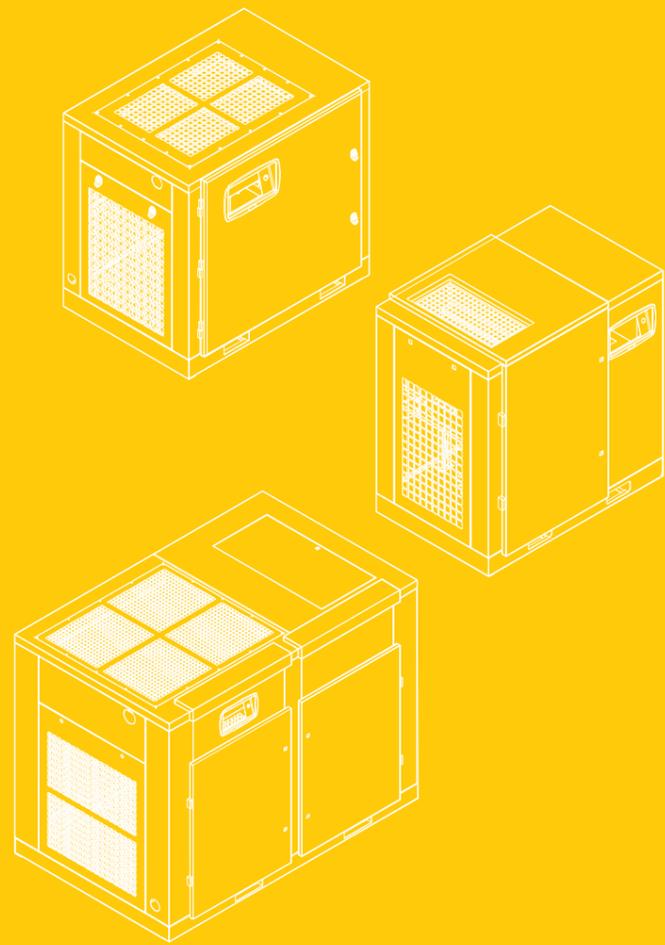


广东汉德精密机械股份有限公司
GUANGDONG HANDE PRECISION MACHINERY CO., LTD.

更节能
More Energy Saving

更高效
Higher Efficiency

更环保
Greener



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

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, become excellence through pursuing!
Gathering magnificent courage, presenting the infinity of technology.
We are extending the technology of air compressor to the higher
level of energy saving, efficiency and environmental protection.



引领环保，点亮科技⁺

Leading Environmental Protection and Brightening Technology

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



COMPANY+ PROFILE

关于汉德

广东汉德精密机械股份有限公司是一家专业从事空气压缩机研发、生产和销售为一体的高新技术企业。公司专注于双级压缩空压机、永磁变频空压机等节能型空压机的研发与生产。公司拥有近 50,000 平方米的现代化装配车间，配置先进的自动化加工设备。

为了加大市场拓展力度，公司先后设立了广东东莞、广东佛山、广东汕头、广西南宁、湖北武汉、福建厦门、湖南湘潭、河南郑州、天津、山东临沂、山西、江西南昌、陕西西安、云南昆明、四川成都、重庆、浙江义乌、浙江温州、浙江杭州、江苏苏州、江苏南通、江苏淮安、江苏常州、辽宁沈阳、上海、安徽、河北、贵阳、越南等多家运营中心，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。

多年来，汉德以技术为先导，以自主产品为核心，发挥人才优势，在行业内创造了一个又一个奇迹，成为了中国空压机行业的优秀生产企业。

Guangdong HanDe Precision Machinery Co., Ltd. is a high-tech enterprise specializing in R&D, production and sales of air compressors. It focuses on the energy-saving air compressors such as double-stage compression air compressor and permanent magnet variable frequency air compressor. The company owns a 50,000 square meters modern assembly factory equipped with advanced automation processing equipment.

In order to expand business in China, the company has set up branches in Guangdong Dongguan, Guangdong Foshan, Guangdong Shantou, Guangxi Nanning, Hubei Wuhan, Fujian Xiamen, Hunan Xiangtan, Henan Zhengzhou, Shandong Linyi, Tianjin, Shanghai, Shanxi, Jiangxi Nanchang, Shanxi Xi'an, Yunnan Kunming, Sichuan Chengdu, Chongqing, Zhejiang Yiwu, Zhejiang Wenzhou, Zhejiang Hangzhou, Jiangsu Suzhou, Jiangsu Nantong, Jiangsu Huaian, Jiangsu Changzhou, Liaoning Shenyang, Anhui, Hebei, Guiyang, Vietnam and many others. The company currently is also expending business in the international market actively.

Over the years, HANDE has created one miracle after another in the industry by taking good use of technologies, own designed products as well as talent advantages, and has rapidly become an excellent manufacturer of air compressor industry in China.



HANDE+
GROUP 汉德集团

螺杆式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



烤漆车间 / Painting 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 Workshop



装配车间 / Assembly Workshop

CORPORATE⁺ QUALIFICATIONS

公司资质

★ 资质证书 Qualification Certificate



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.

★ 专利证书 Patent Certificate



★ 认证证书 Certificate Of Registration



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 for effective management and control 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.



BUSINESS+ PHILOSOPHY

企业理念



双螺杆转子
Twin Screw Rotors

1 创新研发 节能高效 Innovative 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 customer.

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ISO9001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-saving so far. 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**

螺杆式空气压缩机专业制造商
Manufacturer of Rotary Screw 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 air compressors.

1 高效节能螺杆主机

High 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

High Efficiency 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IP55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 高效节能过滤系统

High Efficiency 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，直接穿过滤介，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 fin-type 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 valve 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/油细分离器/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转动系统，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.

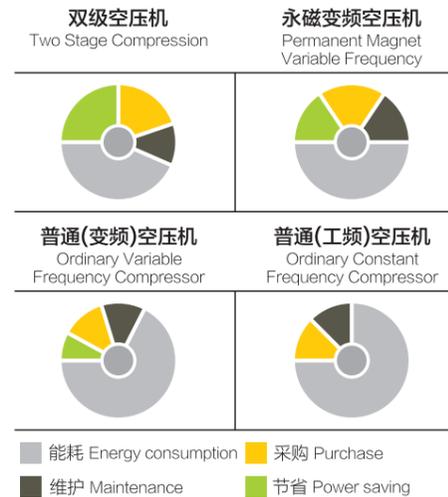
永磁双级压缩机

Dual Stage Compression PM VFD Screw Air Compressor



全新节能配置比普通工频机省电 **35%**

The new energy-saving configuration saves electricity by 35% comparing with ordinary constant frequency machine.

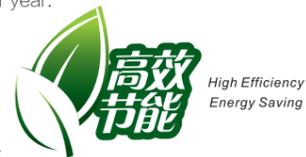


双级压缩主机

更高效、更节能
较双螺杆空压机节能高达35%
以8000h/台/年计算，每年可节省约20万元电费

Two Stage Compression Air End

More efficient and more energy saving
Up to 35% saving on electricity comparing with ordinary constant frequency machine
It can save up to 200K Yuan on electricity at 8000 hours running per year.



永磁双级压缩机产品特点

Product features of dual-stage compression PM VFD screw air compressor

1. 双级压缩降低了每级压缩比，减少内漏泄，提高容积效率，降低了轴承负载，提高了主机寿命。
2. 双级压缩代替单级压缩，排气量增加近15%，可以实现多达成15%的节能效果。
3. 转子采用最新设计，经过二十余道工序的精加工，保证了转子型线的精确度，可靠性和有效性。
4. 双级压缩主机更高效、更节能，较双螺杆空压机节能高达35%，以8000h/台/年计算，每年可节约20万元电费。

1. Two-stage compression reduces the compression ratio of each stage, reduces internal leakage, improves volumetric efficiency, reduces bearing load, and increases the life of rotos..
2. Using two-stage compression rather than single one, the increase of air output volume can be 15%, means 15% energy saving.
3. The rotor adopts the newly designe, has been through more than 20 processes of finishing, to ensure the accuracy, reliability and effectiveness of the rotor profile.
4. The two-stage compression is more efficient and energy saving, has been through saving energy as much as 35% comparing with ordinary constant frequency machine.



永磁变频双级压缩螺杆空压机技术参数

Technical Parameter Table of Dual Stage Compression PM VFD Screw Air Compressor

参数 Parameters	机型 Model	HD-VPM2T22	HD-VPM2T30	HD-VPM2T37	HD-VPM2T45	HD-VPM2T55	HD-VPM2T75	HD-VPM2T90
排气量/排气压力 (M ³ /Min/MPa) F.A.D / Max Pressure		4.1/0.8	5.62/0.8	7.1/0.8	9.31/0.8	11.86/0.8	15.6/0.8	19.1/0.8
		3.7/1.0	5.2/1.0	6.3/1.0	8.5/1.0	9.6/1.0	12.4/1.0	15.9/1.0
		3.2/1.2	4.2/1.2	5.4/1.2	6.5/1.2	8.6/1.2	11/1.2	14.3/1.2
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 Oil	升/Liter	25		26		80		85
噪音Noise	Db(A)	70±2		72±2		76±2		80±2
驱动方式 Driven Mode		直联/Direct Drive						
电源 Voltage		380V/50Hz/3Ph						
功率Power	KW	22	30	37	45	55	75	90
启动方式 Starting Mode		变频启动/Variable Frequency Start						
外型尺寸 Dimension	长Length mm	1400	1600	1600	1600	2180	2180	2500
	宽 Width mm	880	1120	1120	1120	1390	1390	1630
	高 Height mm	1350	1540	1540	1540	1660	1660	1930
重量 Net Weight	kg	589.5	930	950	970	1860	1960	2360
出口管径 Outlet Pipe Diameter	inch	Rp1,1/2	Rp2	Rp2	Rp2	Rp2	Rp2	Rp2,1/2

参数 Parameters	机型 Model	HD-VPM2T110	HD-VPM2T132	HD-VPM2T160	HD-VPM2T185	HD-VPM2T200	HD-VPM2T220	HD-VPM2T250
排气量/排气压力 (M ³ /Min/MPa) F.A.D / Max Pressure		21.6/0.8	25.35/0.8	32.33/0.8	36.4/0.8	40/0.8	45.6/0.8	50.34/0.8
		19.7/1.0	22.3/1.0	27.2/1.0	31.8/1.0	35.4/1.0	39.6/1.0	45.1/1.0
		16/1.2	19.8/1.2	24.7/1.2	28.6/1.2	31.5/1.2	35.4/1.2	40.1/1.2
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 Oil	升/Liter	95		160	185		195	
噪音Noise	Db(A)	85±2		87±2		90±2		
驱动方式 Driven Mode		直联/Direct Drive						
电源 Voltage		380V/50Hz/3Ph						
功率Power	KW	110	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	2500	2500	3600	3600	3860	3860	3860
	宽 Width mm	1630	1630	2100	2100	2100	2100	2100
	高 Height mm	1930	1930	2280	2280	2280	2280	2280
重量 Net Weight	kg	2390	2445	3800	4100	4800	5100	5600
出口管径 Outlet Pipe Diameter	inch	Rp2,1/2	Rp2,1/2	DN100	DN100	DN125	DN125	DN125

注：本公司产品在不断优化中，参数如有更改，恕不另行通知；异电压及其他特殊机型可定制，请咨询业务。
Note: Our products are in continuous optimization, so parameters are subject to change without prior notice; Different voltage and other special models can be customized, please contact our sales.

永磁变频压缩机

Permanent Magnet Variable Frequency Air Compressor



全新节能配置比普通工频机省电 **30%**

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



永磁变频空压机
Permanent Magnet Variable Frequency Compressor



普通(变频)空压机
Ordinary Variable Frequency Compressor

普通(工频)空压机
Ordinary Constant Frequency Compressor



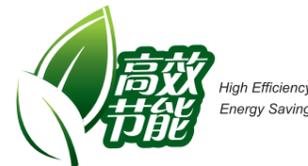
■ 能耗 Energy consumption ■ 采购 Purchase
■ 维护 Maintenance ■ 节省 Power saving

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, 效率高;
3. 智能变频技术, 永磁变频空压机比普通工频空压机节能30%;
4. 拥有多项专利技术;
5. 工业管家功能。

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, PMVF compressor saves energy up to 30%.
4. Owns numbers of patented technologies.
5. Function of remote-control system.



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.

永磁变频螺杆空压机技术参数表

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
排气量/排气压力 (M ³ /Min/MPa) F.A.D / Max 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	7.3/0.8
		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	6.6/1.0
		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
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 Oil	升/Liter	4	9	10	14	16	20	23	
噪音Noise	Db(A)	66±2	66±2	66±2	68±2	68±2	72±2	72±2	72±2
驱动方式 Driven Mode		永磁同步/Permanent Magnet Synchronous							
电源 Voltage		380V/50Hz/3Ph							
功率Power	KW	7.5	11	15	18.5	22	30	37	45
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	1200	1250
	宽 Width mm	670	750	750	850	850	850	1000	1000
	高 Height mm	880	1000	1000	1200	1200	1200	1400	1510
重量 Net Weight	kg	135	220	220	290	295	295	460	550
出口管径 Outlet Pipe Diameter	inch	Rp1/2	Rp3/4	Rp3/4	Rp1	Rp1	Rp1	Rp1,1/2	Rp1,1/2

参数 Parameters	机型 Model	HD-VPM55	HD-VPM75	HD-VPM90	HD-VPM110	HD-VPM132	HD-VPM160	HD-VPM185	HD-VPM220	HD-VPM250	
排气量/排气压力 (M ³ /Min/MPa) F.A.D / Max Pressure		9.2/0.8	12.6/0.8	15.0/0.8	19.8/0.8	23.2/0.8	26.6/0.8	30.4/0.8	38.2/0.8	42.5/0.8	
		8.2/1.0	11.0/1.0	13.8/1.0	16.8/1.0	20.5/1.0	22.6/1.0	26/1.0	33.2/1.0	39.7/1.0	
		7.1/1.2	9.5/1.2	12.3/1.2	14.8/1.2	17.4/1.2	19.5/1.2	22.8/1.2	30.5/1.2	35.8/1.2	
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 Oil	升/Liter	46	49	63	80	95	175				
噪音Noise	Db(A)	78±2		83±2	85±2		88±2				
驱动方式 Driven Mode		直联/Direct Drive									
电源 Voltage		380V/50Hz/3Ph									
功率Power	KW	55	75	90	110	132	160	185	220	250	
启动方式 Starting Mode		变频启动/Variable Frequency Start									
外型尺寸 Dimension	长Length mm	1800	1800	2000	2300	2300	2500	3600	3600	3600	
	宽 Width mm	1250	1250	1250	1470	1470	1600	2100	2100	2100	
	高 Height mm	1670	1670	1670	1840	1840	1900	2280	2280	2280	
重量 Net Weight	kg	1020	1130	1290	1970	2010	2800	3100	3600	3800	
出口管径 Outlet Pipe Diameter	inch	Rp2	Rp2	Rp2	Rp2, 1/2	Rp2, 1/2	Rp2, 1/2	DN100	DN125	DN125	

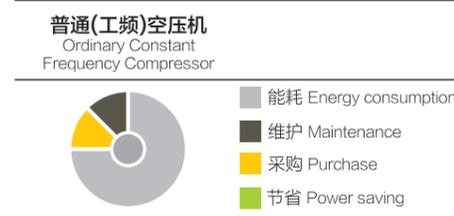
注: 本公司产品在不断优化中, 参数如有更改, 恕不另行通知; 异电压及其他特殊机型可定制, 请咨询业务。
Note: Our products are in continuous optimization, so parameters are subject to change without prior notice; Different voltage and other special models can be customized, please contact our sales.

工频压缩机

Fixed Speed Screw Air Compressor

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。

Han De 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 good durability.
Low vibration and low noise.
High efficiency, heavy loading and silence.



工频压缩机产品特点

Features of Constant Frequency Compressor

工频压缩机采用的时行业领先的螺杆主机、高效率、低转速, 转子采用第三代齿型, 领先的优秀型线设计; 具有静音、节能、稳定、高可靠性及使用寿命长。采用特制低转速螺杆空压机专业电机, 稳定性高, 比同类产品有3-5%的效率提升。直联结构无任何损失, 传动效率百分百, 维护成本低, 拆解方便, 大大节省停机时间。同轴一体结构无任何损失, 减小易损零部件, 传动率百分之百。采用低速风机, 寿命长。冷却器及风机可独立拆卸, 20%的冷却富余量。可适应50摄氏度环境温度。工频压缩机配备智能控制系统, 保障全自动化智能运行, 对排气压力、温度等现场数据进行检测, 通过进气阀将排气压力控制在所预置的压力上下之间, 从而输出一个稳定的压力。

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 design, stable, reliable, energy saving and long service life. Adopts unique low-speed motor, high stability, 3-5% more efficient than similar product. Direct connection structure with 100% transmission efficiency without any loss, low maintenance 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 separately. It can work in ambient temperature of 50 C. It is equipped with intelligent control system to ensure automatic and intelligent operation and it detects output air pressure and temperature etc. The intake valve controls the output air pressure within a range preset for a stable output air pressure.



工频螺杆空压机技术参数表

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 (M ³ /Min/MPa) F.A.D / Max 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
		0.90/1.0	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℃/Ambient Temp+15℃									
润滑油量 Lubricant Oil	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 Voltage		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-Δ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	1000	1250	1250
	高 Height mm	880	1000	1000	1160	1160	1160	1330	1330	1670	1670
重量 Net Weight	kg	179	290	306	420	424	455	641	676	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-220	HD-250	HD-315	HD-355	HD-400
排气量/排气压力 (M ³ /Min/MPa) F.A.D / Max Pressure		15.0/0.8	19.8/0.8	22.1/0.8	25.6/0.8	30.4/0.8	38.2/0.8	42.5/0.8	50.2/0.8	61/0.8	68.1/0.8
		13.8/1.0	16.8/1.0	19.5/1.0	22.6/1.0	26.0/1.0	33.2/1.0	39.7/1.0	44.5/1.0	56.5/1.0	62.8/1.0
		12.3/1.2	14.8/1.2	17.4/1.2	20.5/1.2	22.8/1.2	29.5/1.2	35.8/1.2	39.5/1.2	49/1.2	52.2/1.2
环境温度 Ambient Temperature	℃	-5 ~ +45									
冷却方式 Cooling Mode		风冷或水冷/Air-cooling or Water-cooling									
排气温度 Discharge Temperature	℃	风冷 Air-cooling: ≤环境温度+15℃/Ambient Temperature+15℃; 水冷 Water-cooling: ≤40℃									
润滑油量 Lubricant Oil	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 Voltage		380V/50Hz/3Ph									
功率 Power	KW	90	110	132	160	185	220	250	315	355	400
启动方式 Starting Mode		Y-Δ启动/Star-delta Start								软启动器启动	
外型尺寸 Dimension	长 Length mm	2000	2300	2300	2500	3600	3600	3600	3860	4300	4300
	宽 Width mm	1250	1470	1470	1600	2100	2100	2100	2100	2100	2100
	高 Height mm	1670	1840	1840	1900	2280	2280	2280	2280	2280	2280
重量 Net Weight	kg	1445	1870	1990	2300	3100	3300	3500	4100	4500	5100
出口管径 Outlet Pipe Diameter	inch	Rp2	Rp2,1/2	Rp2,1/2	Rp2,1/2	DN100	DN125	DN125	DN125	DN150	DN150

注: 本公司产品在不断优化中, 参数如有更改, 恕不另行通知; 异电压及其他特殊机型可定制, 请咨询业务。
Note: Our products are in continuous optimization, so parameters are subject to change without prior notice; Different voltage and other special models can be customized, please contact our sales.

激光切割专用四合一组合式螺杆空压机

4-in-1 Combined Screw Air Compressor for Laser Cutting

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

IP54、绝缘等级F、B级温度，连续运行设计

High efficiency all copper motor

IP54, insulation Grade F, B grade temperature, continuous operation design



高强度机体

1mm高强度钢板冲压成型、充分保护设备部件

High-strength organism

1mm High-strength Low-alloy Steel, fully protected equipment components

铝合金板式交换器

空气阻力小，耐腐蚀，充分换热，降低能耗35%

Aluminium Alloy Plate Exchanger

Small air resistance, corrosion resistance, full heat transfer, reduce energy consumption by 35%



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

High Grade INVERTER

Huichuan brand strength guarantee, the global compressor industry high-end preferred

强劲主机

采用汉钟AA级主机，前后各4轴承设计、8轴承运行，平稳可靠，切割更流畅，切面更平整。

Powerful host

Hanbell AA grade airoend is adopted, be designed with 4 bearings in front and 4 in back, running smoothly and reliably with 8 bearings, cutting more smoothly and cutting surface more level.



16Kg供气

可提供16kg连续恒压供气，消除加卸载压差，提高作业效率

16 kg air supply

Can provide 16kg continuous constant pressure gas supply, eliminate loading and unloading pressure difference, improve work efficiency

361-418V宽电压设计

电压适应范围宽广、确保持续供电

Wide voltage design of 361-418V

Wide voltage range to ensure continuous power supply

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

Standard High Efficiency Dryer

High air quality, ensure pressure dew point, protect laser lens and knife head

内置初级排水

降低干燥机、过滤器负荷，保证空气品质

Built-in primary drainage

Reduce dryer and filter load, ensure air quality



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 filters

For laser cutting to provide a clean gas source, effective protection of cutting machine lens, reduce the pressure drop to reduce energy consumption



激光切割专用四合一组合式螺杆空压机技术参数表

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

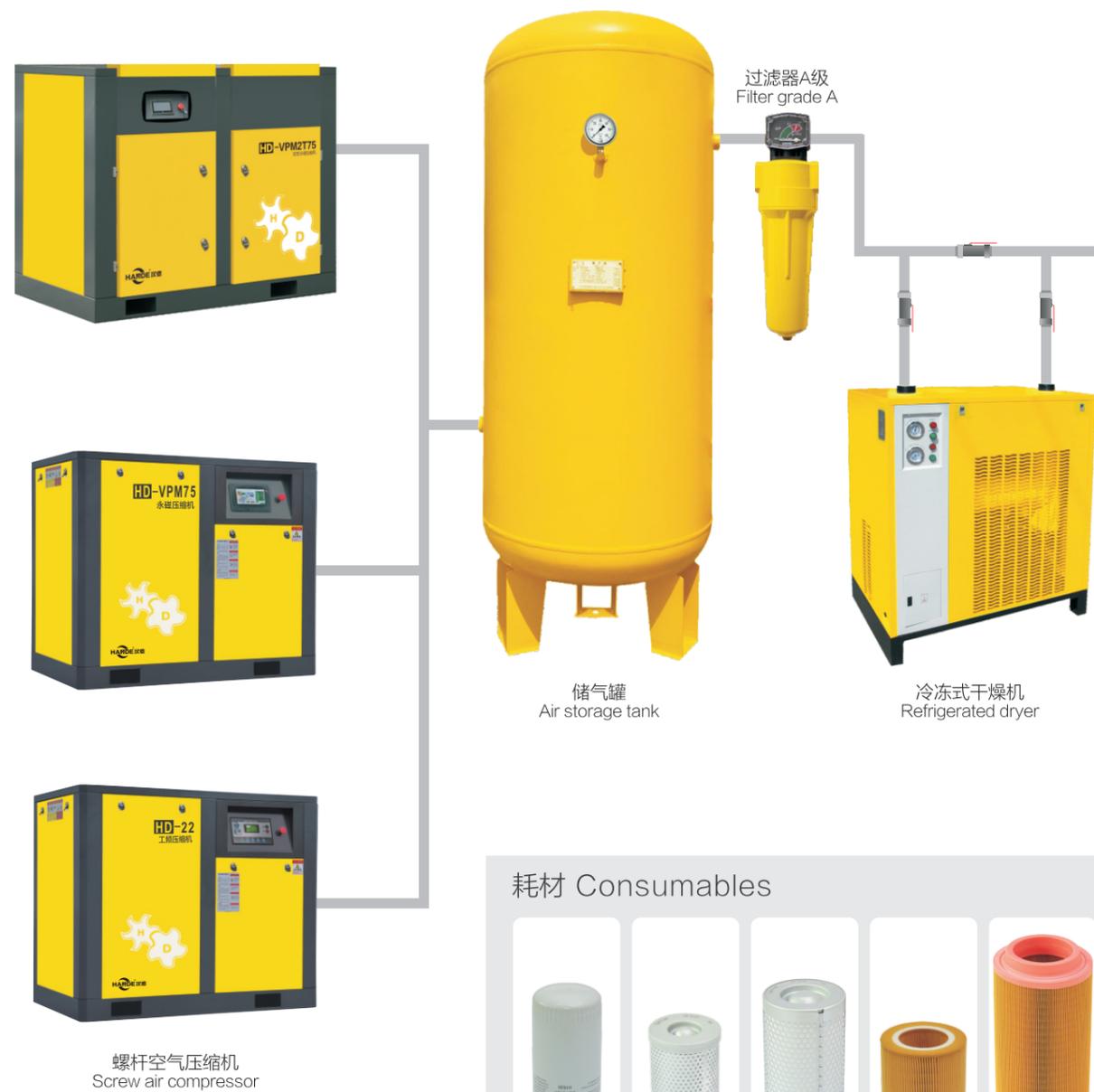
参数 Parameters	型号Model No.	单位Unit	HDG-VPM15	HDG-VPM22
额定排气压力 Rated Discharge Pressure		Mpa	1.55	1.55
额定排气量 Rated Discharge Capacity		m³/min	1.2	2.2
后部冷却器出口温度 Exit Temperature of Rear Cooler		℃	Ambient Temperature+15	Ambient Temperature+15
输气口连接尺寸 Air Inlet/Outlet			G3/4	G3/4
冷却方式 Motor Cooling Type			Air Cooled	Air Cooled
驱动方式 Driving Mode			Integrated	Integrated
储气罐容积 Air Tank Volume		L	400	400
吸气状态 Suction Gas 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
风机 Fan Motor	功率 Power	kW	0.15	0.46
	转速 Speed (50Hz)	rpm	1350	1300
	电压/频率范围 Voltage /Frequency	V/Hz	380V/50Hz	380V/50Hz
冷干机 Air Dryer	型号Model No.		TR02- HD	TR02- HD
	功率 Power	kW	0.52	0.52
	额定处理气量 Rated Holding Air Capacity	m³/min	2.4	2.4
	电压/频率范围 Voltage /Frequency	V/Hz	220V/50Hz	220V/50Hz
	进气温度 The Inlet Gas Temperature≤	℃	65℃	65℃
运行参数 Run Parameters	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	1.76	1.76
	停机保护温度 Stop Protection Temperature	℃	110	110
	外形尺寸 Product Size (L*W*H)	mm	1730X780X1640	1730X850X1840
机组重量 Net Weight	kg	480	600	

注：本公司产品在不断优化中，参数如有更改，恕不另行通知；异电压及其他特殊机型可定制，请咨询业务。
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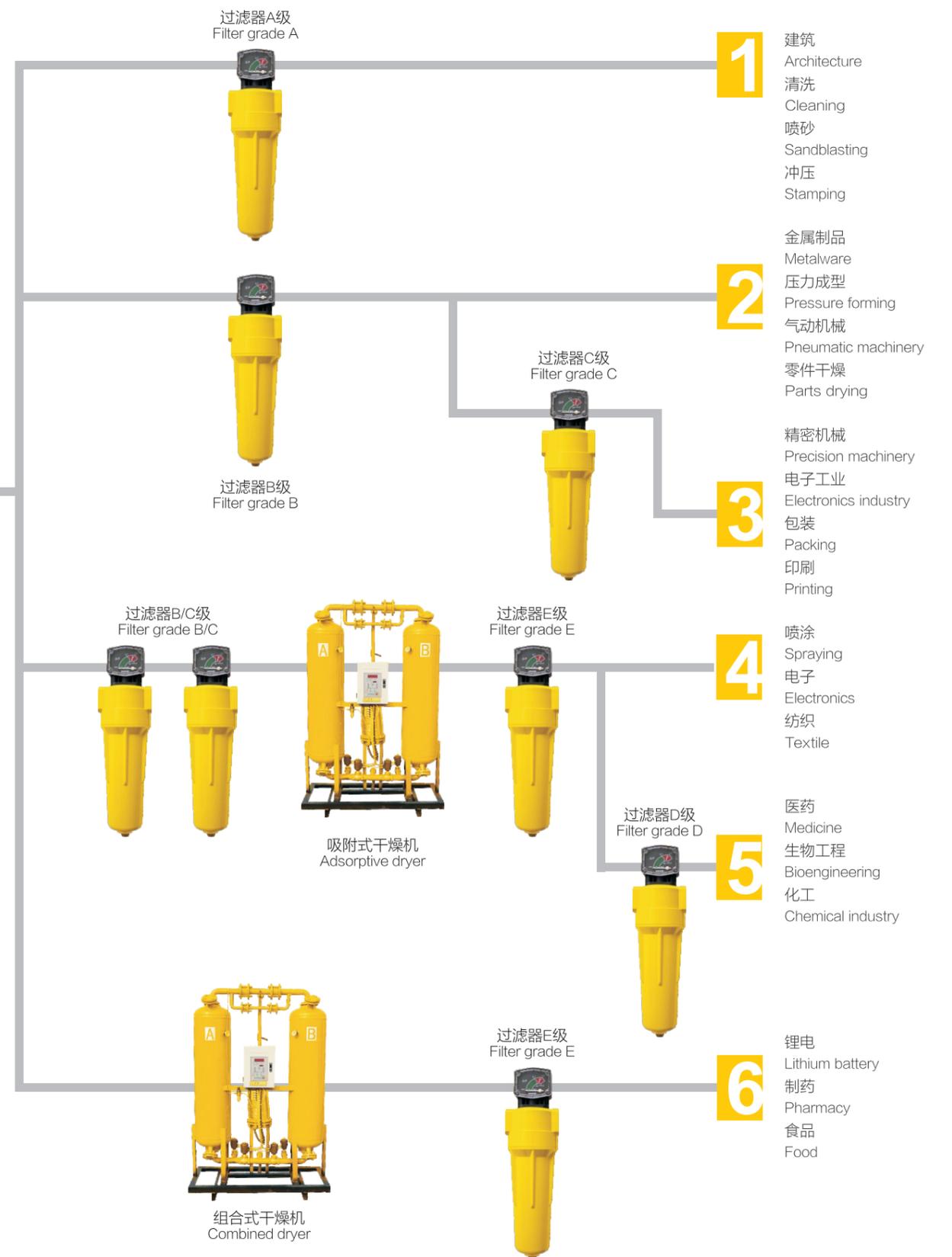


COMPRESSOR AIR⁺ PURIFICATION SYSTEM FLOW CHART

压力空气净化系统流程图



耗材 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:

我们同时提供各种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。

Service before sale:

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

Service of sale:

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

Service of after-sale:

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 system and adequate spare parts inventory capacity. The company's after-sales service engineer responds within 30 minutes after receiving the customer's equipment failure declaration.

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 and customer needs. Backing up by the perfect supplying system and adequate inventory of spare parts, we can carry out any repairing and maintenance service for all aspect of equipment, our engineer will respond within 30 minutes after receiving customer's reporting. We endeavor to provide technical support to customers at any stage of sales.

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 Services Hotline

汉德销售网点

Hande Global Sales Offices

广东, 东莞运营中心	四川, 成都运营中心
广东, 佛山运营中心	重庆, 重庆运营中心
广东, 汕头运营中心	江苏, 苏州运营中心
广西, 南宁运营中心	江苏, 南通运营中心
湖北, 武汉运营中心	江苏, 淮安运营中心
福建, 厦门运营中心	江苏, 常州运营中心
湖南, 湘潭运营中心	浙江, 杭州运营中心
河南, 郑州运营中心	浙江, 温州运营中心
河北, 石家庄运营中心	浙江, 义乌运营中心
山东, 临沂运营中心	辽宁, 沈阳运营中心
江西, 南昌运营中心	安徽, 合肥运营中心
陕西, 西安运营中心	贵州, 贵阳运营中心
山西, 太原运营中心	越南, 胡志明运营中心
云南, 昆明运营中心	持续更新中……
上海, 上海运营中心	期待您的加入
天津, 天津运营中心	



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. Branches are set up in Guangdong, Guangxi, Hubei, Fujian, Hunan, Henan, Shandong, Jiangxi, Shanxi, Yunnan, Sichuan, Zhejiang, Jiangsu, Tianjin, Shanghai, Chongqing, Shanxi, Liaoning, Anhui, Hebei, Guizhou, Vietnam and so on.