

南翔空压机

Nanxiang Air Compressor



始于1985年的压缩空气系统解决方案提供商

A Vintage Supplier of Compressed Air System Solutions Since 1985

专业
Professional

智能
Intelligent

节能
Energy Saving

创新
Innovation

江西南翔空压机有限公司

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Air Compressor Co., Ltd.

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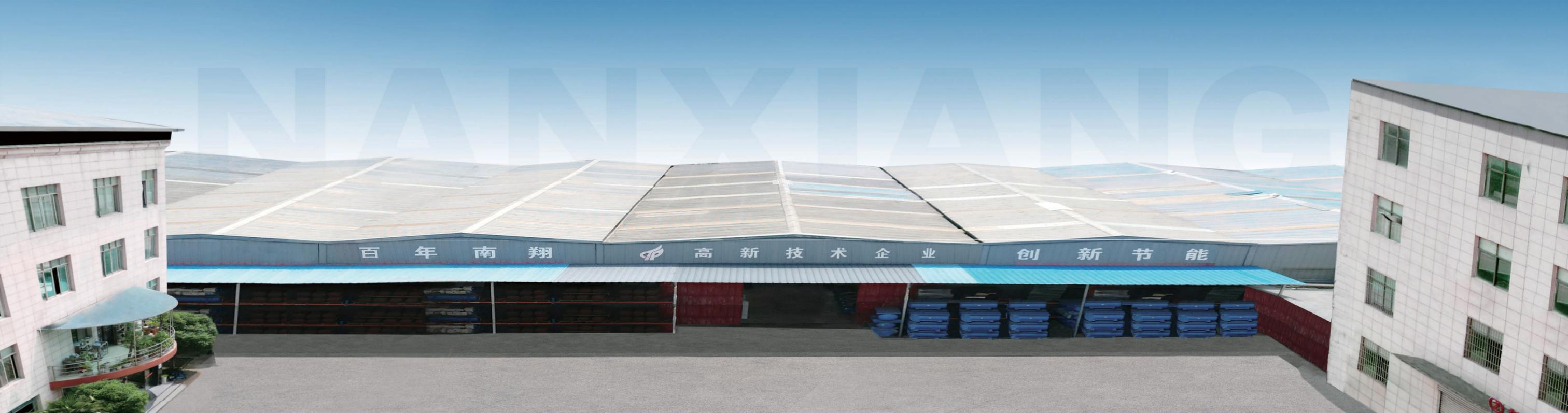
中文网址: www.nanxiangair.com Multi-Language Website: www.nxcompressor.com



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持之以恒地为客户提供更节能、更可靠的解决方案

Consistently Providing Customers with more Energy-efficient and Reliable Solutions

Company Introduction 南翔空压机简介

始于1985年的压缩空气系统解决方案提供商

A Supplier of Compressed Air System Solutions Since 1985

南翔® 品牌始于1985年,起源于英雄城南昌,是国内压缩机制造行业历史悠久的品牌。

为向客户提供优良的流体机械解决方案,南翔于1999年实行国有改制,升级业务模式,开启了高端化、规模化发展的新阶段。目前,南翔产品覆盖喷油螺杆压缩机、无油螺杆压缩机、离心压缩机、真空泵和后处理设备,服务领域涵盖能效评估、节能优化改造、合同能源管理、热能管理等。

The Nanxiang® brand, founded in 1985 and located in "Hero City" Nanchang, is among the most esteemed names in China's air compressor industry, boasting enduring and rich history.

In 1999, aiming to offer top-notch compressed air solutions to our clients, Nanxiang underwent state-owned enterprise restructuring. This marked the commencement of a new phase characterized by high-end and large-scale development. At present, Nanxiang manufactures and supplies a diverse range of products, including oil-injected screw compressors, oil-free screw compressors, centrifugal compressors, vacuum pumps, and air treatment equipments. Nanxiang also provides services including energy efficiency assessments, energy optimization upgrades, contract energy management, and thermal energy management, etc.

凭借精湛技术脱颖而出

南翔是具备自主研发能力的空压机厂家,创始团队均为流体机械领域资深人士,拥有丰富的节能工程设计、供应链管理经验和。同时,南翔与多所国内院校合作,不断提升人才引进和技术创新能力。目前,南翔已取得多项发明专利及实用新型专利,2018年被评为国家高新技术企业。

Stand Out with Excellent Techniques

Nanxiang is one of the suppliers in China to possess autonomous R&D capabilities in the field of air compressors. The founding team comprises seasoned experts in fluid machinery, with extensive experience in energy-efficient engineering design and supply chain management. In addition, Nanxiang collaborates with several domestic institutions of higher learning, continuously enhancing talent acquisition and technological innovation capabilities. Till now, Nanxiang has obtained multiple invention patents and utility model patents, and in 2018, it was recognized as a national high-tech enterprise.

凭借用心服务赢得信赖

南翔致力为客户提供管家式的售前、售中及售后服务,在全球设立70余个销售和售后服务网点,成为值得信赖的流体机械合作伙伴之一。

Earn Trust through Heartfelt Service

Nanxiang is dedicated to delivering comprehensive service solutions. With a presence in over 70 sales and after-sales service locations worldwide, we have become trustful partners in the fluid engineering.

Nanxiang Timeline 大事记

▶ 1985 - 1996

初创时期

Early Years of Startup

为填补省内工业级活塞式空压机生产空白,江西省工程局与上海第二气体压缩机厂开展战略合作,组建“南昌空压机厂”,并推出南翔® 品牌活塞阀片式风冷、水冷空压机,成为具备独立研发能力的空压机厂家。

To fill the gap in the local industrial reciprocating piston air compressor production, Jiangxi Provincial Industry & Information Technology Bureau collaborated with Shanghai Second Air Compressor Factory to establish 'Nanchang Air Compressor Factory,' and launch the Nanxiang® brand reciprocating air compressors, both air-cooling and water-cooling. This marked Nanxiang as Chinese air compressor manufacturers with independent R&D capabilities.

▶ 1997 - 2002

国企转型

State-owned Enterprise Transformation

国有改制为江西南翔空压机有限公司,在青山湖高新技术产业园区购置厂房,扩大生产规模。

Nanchang Air Compressor Factory underwent state-owned restructuring and became Jiangxi Nanxiang Air Compressor Co., Ltd., acquiring new manufacturing facilities in the Qingshanhu High-tech Industrial Park to expand the production capacity.

▶ 2003 - 2010

蓄势成长

Accumulating Strength and Growth

引进德国GHH-RAND公司先进技术,研发推出中、高压活塞机和螺杆空压机系列,并通过ISO9001质量管理体系认证。

Nanxiang introduced advanced technology from Germany company GHH-RAND, and developed a series of medium&high-pressure air compressors and screw air compressors. In 2008, Nanxiang obtained the ISO9001 certificate.

▶ 2011 - 2018

快速发展

Rapid Development

研发推出永磁变频螺杆空压机、无油螺杆空压机等系列产品,荣获国家高新技术企业称号,通过欧盟CE认证,GCCA产品质量安全认证、CNAS节能产品认证、国家能源效率检测实验认证。2015年在上海设立销售品牌公司(灵希),国际市场运营中心设立,开拓国际市场版图。

Nanxiang launched a series of energy-saving products including permanent magnet VSD screw compressors and oil-free screw compressors. The company was recognized as a "National High and New Technology Enterprise," "China's Famous Brand," "Nationally Recommended Energy saving and Environmental Protection Products," and obtained certifications such as CE certificate, GCCA product quality and safety certification, CNAS energy-saving product certificate, and national energy efficiency testing and experimentation certificate. Nanxiang has also created a new sales company in Shanghai called Lingxi to expand its international market since then.

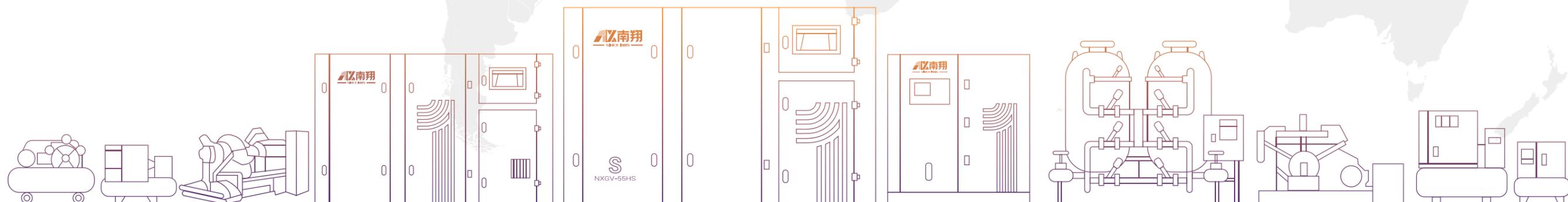
▶ 2019 - 至今

创新升级

Innovation and Advancement

研发推出双级压缩永磁变频螺杆空压机、无油涡旋气压缩机、大功率离心机、真空泵等系列产品,并获得国家多项实用新型专利及发明专利,荣获中国核工业集团合格供应商、湘核建优秀供应商资质,并取得中国空压机行业AAA级诚信单位,科技型企业等荣誉称号。同时,南翔启动“数字化”转型,推出“南翔云智控系统”,为用户提供空压机节能整厂压缩空气系统方案。

Nanxiang introduced new products such as two-stage permanent magnet VSD screw compressors, oil-free scroll air compressors, high-power centrifugal air compressors, and vacuum pumps. The company has obtained several invention patents and utility model patents from the national authorities. Nanxiang has achieved TUV Class 0 certificate, established itself as a qualified supplier to China National Nuclear Corporation and outstanding supplier of Hunan Nuclear Construction Group, and earn the title of Tech SMEs and AAA-grade integrity unit in the Chinese air compressor industry. Meanwhile, Nanxiang has embarked on a journey of digitalized transformation. It has introduced the "Nanxiang Cloud Intelligent Control System," providing customers with energy-saving compressed air solution for the entire plant.





C oncierge Air Supply Services for Worry-Free Air Usage

Compressor Treatment Equipment Support

Providing complementary equipment such as refrigerated dryers, storage tanks, high-efficiency precision filters, and other post-processing devices.

Comprehensive Energy Management Services

Offering intelligent air compressor station planning, energy efficiency assessments, energy optimization upgrades, contract energy management, thermal energy management, and more.

Industry-Specific Customization

Tailored development based on the characteristics and operating conditions of different industries.

Lifetime After-Sales Service

Air End comes with a warranty of up to 10 years. Lifetime supply of original spare parts and technical support.

Energy Management Services

Digital | Smart | Eco-friendly



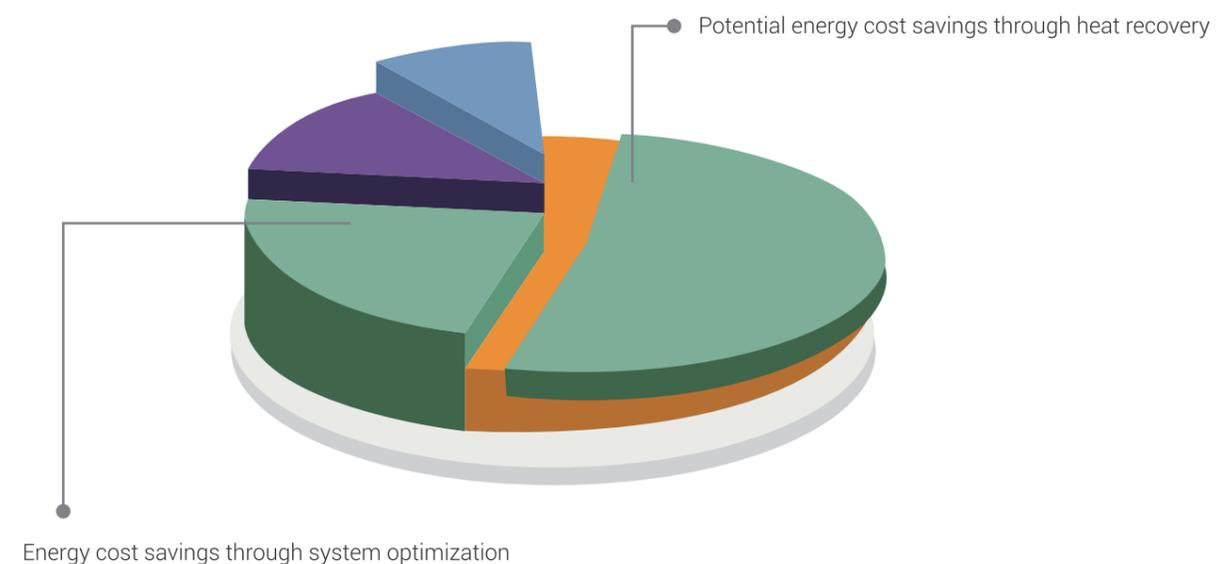
Heat recovery



Cost-effective heating



Energy-saving, versatile, and flexible



Compressed air system investment



Maintenance costs



Energy costs



Potential energy cost savings

High-end Energy-saving Permanent Magnet VSD Rotary Screw Air Compressor (HB Series)

High-end Configuration

Sophisticated Craft

01 Smart Control System, Remote Control IoT System

1. Visual display: running status, data, and fault alarm.
2. On-line monitoring: pressure, power, temperature fluctuation.
3. Functions of real-time fault monitoring, alarm recording, and regular power-on & off.



02 High-efficiency Screw Air End

1. Adopting HANBELL twin-screw air end with big rotor and slow rotation speed.
2. High efficiency, low noise, low vibration.
3. New 5:6 asymmetrical rotor tooth profile.
4. The relative power is higher and the FAD is increased by 5%-10% compared to ordinary models.
5. Adopting the SKF bearings imported from Sweden.
6. Six sets of bearings design, low bearing force and longer life.



03 Energy-saving Permanent Magnet Motor

1. Adopting high-efficiency and energy-saving permanent magnet motor with IP55 protection level.
2. Motor efficiency is up to 95.9%-96.3%.
3. Motor bearing adopts Swedish SKF heavy-load bearing.
4. The efficiency is 5%-10% higher than similar products.
5. High balance accuracy, stable high-speed operation, low noise and low vibration.
6. Insulation class F, using high-performance NdFeB permanent magnets, demagnetization at 200°C without the loss of excitation. Service life is up to 15 years.

04 Smart Double Frequency Conversion Control System

1. Adopting the high-performance INOVANCE vector frequency converter.
2. It can be simply operated and switched between Chinese and English.
3. Cloud intelligence system of IOT (optional).



05 Cooler

1. Easy to clean the dust.
2. Adopting the highly efficient fin-type cooler with large heat exchange area.
3. Surplus of heat exchange being 30% and more optimal cooling effect.
4. It can normally operate at ambient temperature of 45°C.



06 Oil filter

1. The lifetime is up to 4000 hours.
2. Filtering precision: $\leq 10 \sim 15\mu m$
3. Filtration efficiency: $\geq 99.5\%$
4. Customized filters with imported glass fiber filter paper.



07 High-efficiency Oil&gas Separator Element

1. Lifetime: ≥ 8000 hours.
2. Adopting the micron-level glass fiber layer.
3. Folding craft.
4. Oil content is below 3PPM.
5. Oil mist particles are below 0.1 μm .



08 Air Filter

1. The lifetime is up to 4000 hours.
2. The air filter element is made of glass fiber. The filtration accuracy is greater than or equal to 5 μm . The filtration efficiency is as high as 99.8%.
3. Large filtration space area, high precision and long lifetime.



09 Quiet Centrifugal Fan

1. Space saving, silent, and good cooling effect.
2. Smooth operation and convenient maintenance.
3. Frequency control.



11 Extra Air Filter Net on Air Intake

1. Unique design.
2. Easily disassemble and clean.
3. Highly efficient filtration of wool and dust.



10 Thickened Galvanized Steel Chassis.

1. Adopting the cold-rolled galvanized steel with thickness of 1.5mm-3.5mm.
2. Super durable against corrosion and good muted effect.
3. Adopting the electrophoretic spraying, the color of the machines never fades.

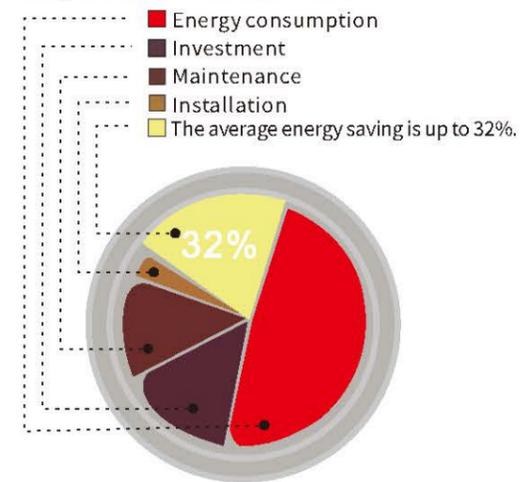


High-end Energy-saving Permanent Magnet VSD Rotary Screw Air Compressor (HB Series)

Features of HB Series Permanent Magnet VSD RoScrew Compressor

1. Adopting high-efficiency permanent magnet motor, compared with ordinary three-phase asynchronous motor, the energy saving is about 6%-7% .
2. Adopting the air end from Hanbell with split coupling-shaft structure. It works compactly, steadily, and efficiently .
3. Intelligent frequency conversion technology, 30% energy saving compared with ordinary power frequency air compressor.
4. Industrial butler function.

The Capital Costs of Permanent Magnet Screw Compressor



High-end Energy-saving Models



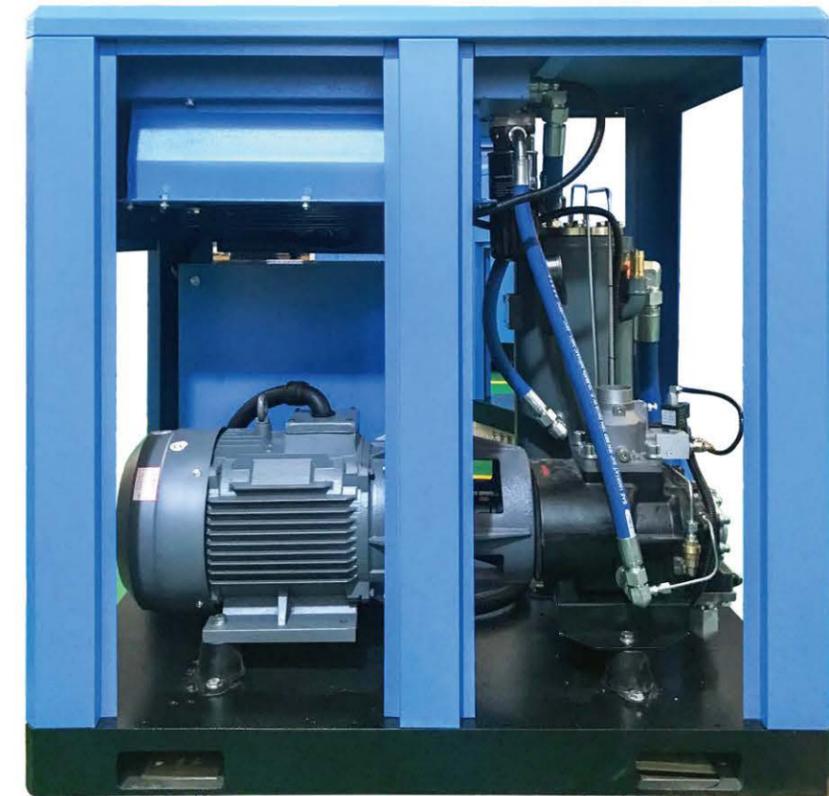
More Stable
More Energy-efficient
More Silent



Energy Saving Comparison Between Nanxiang Permanent Magnet Variable Frequency Compressor and Power Frequency Compressor

Serial Number	Comparison Points	Permanent Magnet Variable Frequency	Power Frequency	Result	Total Saving
1	No-load power consumption	No	35% of no-load power	Permanent magnet energy saving: 45% no-load rate, if the average no-load is 30%, it saves 30%*45%=13.5%	Permanent magnet machine saves 31% on average compared to power frequency machine.
2	Excessive pressure consumption	No	Average 1kg/cm, 7%	Permanent magnet savings: 7%	
3	Motor efficiency	94%-96%	87%-89%	Permanent magnet savings: 7%	
4	Split axis efficiency	97%	Belt: 94%	Permanent magnet savings: 3%	
5	Other advantages	Constant voltage output	Fluctuations in pressure	The quality of permanent magnet constant voltage output is guaranteed.	

Permanent Magnet VSD Rotary Screw Air Compressor (HC Series)



01 Pressure Maintenance Valve

It is made of aluminum material with outstanding anti-rust performance and non-return function. The stable opening pressure setting ensures that sufficient circulating pressure is established in the system in priority and the body is lubricated.

02 Air End and Motor Driven Structure

With the 1:1 direct connection, screw air end and motor adopt low-center design to reduce noise and vibration source, and improve the stability of the unit.

03 High Temperature Cooling System

Adopt split design to avoid heat conduction of oil cooler and rear cooler to greatly prolong service life. It can work normally with the environment temperature up to 45°C continuously . In addition, it avoids replacing the entire system when a single component is damaged, which helps save maintenance costs.

04 Smart Microcomputer Controller

Simple operation; has two languages (Chinese/English); simplified/traditional Chinese switching; air filter/oil filter/oil-air separator/lubricating oil; smart monitoring and management of service time. Even with more chained and remote monitoring functions for users to choose.

05 High-efficiency Motor

It adopts energy-saving and high-efficiency motor, equipped with imported bearings, IP55 protection level, and F-class insulation level. It is also qualified with the latest national standard GB18613/2013, the output efficiency can be increased about 4% on average.

06 Coupling Transmission

The rigid connection between the motor and the air end is automatically aligned. The elastic coupling is adopted to solve the impact, damping and isolation, and ensuring the transmission is effective.

T Series Screw Compressors

 Oil-Lubricated

 Power: 7.5 - 250 kW 10 - 335 HP

Technical Specification

Model No. / Drive Types	Power (kW/HP)	Rated Pressure (bar)	Air Flow@ Outlet (m ³ /min)	Dimensions (mm)	Weight (kg)	Air Outlet Pipe Diameter
NXT-7.5V NXT-7.5F	7.5 / 10	8	1.1	940*650*830	165	DN15
		10	1.0			
		13	0.8			
NXT-11V NXT-11F	11 / 15	8	1.6	1180*750*1000	310	DN20
		10	1.4			
		13	1.2			
NXT-15V NXT-15F	15 / 20	8	2.4	1180*750*1000	310	DN20
		10	2.1			
		13	1.7			
NXT-18V NXT-18F	18 / 25	8	3.0	1380*850*1160	400	DN25
		10	2.7			
		13	2.3			
NXT-22V NXT-22F	22 / 30	8	3.6	1380*850*1160	430	DN25
		10	3.2			
		13	2.6			
NXT-30V NXT-30F	30 / 40	8	5.0	1380*850*1160	480	DN25
		10	4.3			
		13	3.7			
NXT-37V NXT-37F	37 / 50	8	6.1	1500*1000*1330	620	DN40
		10	5.4			
		13	4.5			
NXT-45V NXT-45F	45 / 60	8	7.6	1500*1000*1330	720	DN40
		10	6.4			
		13	5.5			
NXT-55V NXT-55F	55 / 75	8	9.4	1800*1250*1670	1480	DN50
		10	8.6			
		13	7.4			
NXT-75V NXT-75F	75 / 100	8	13.1	1800*1250*1670	1680	DN50
		10	11.8			
		13	9.8			

Model No. / Drive Types	Power (kW/HP)	Rated Pressure (bar)	Air Flow@ Outlet (m ³ /min)	Dimensions (mm)	Weight (kg)	Air Outlet Pipe Diameter
NXT-90V NXT-90F	90 / 120	8	16.8	1800*1250*1670	1880	DN50
		10	14.6			
		13	11.6			
NXT-110V NXT-110F	110 / 150	8	20.0	2560*1650*1900	2400	DN80
		10	17.8			
		13	14.5			
NXT-132V NXT-132F	132 / 175	8	23.2	2560*1650*1900	2700	DN100
		10	20.7			
		13	16.9			
NXT-160V NXT-160F	160 / 215	8	26.6	2560*1650*1900	2800	DN100
		10	22.6			
		13	19.5			
NXT-185V NXT-185F	185 / 250	8	30.4	3600*2100*2280	3100	DN100
		10	26.0			
		13	22.8			
NXT-200V NXT-200F	200 / 270	8	32.0	3600*2100*2280	3100	DN100
		10	30.2			
		13	26.3			
NXT-220V NXT-220F	220 / 300	8	38.2	3600*2100*2280	3600	DN100
		10	33.2			
		13	30.5			
NXT-250V NXT-250F	250 / 335	8	42.5	3600*2100*2280	3800	DN100
		10	39.7			
		13	35.8			

Technical Specification

⚙️ Treatment Equipments

Eco-friendly Refrigerated Air Dryer

In compliance with the Montreal Protocol, this series employs environmentally friendly refrigerants R134a/R410a, with zero impact on the atmosphere. Equipped with constant pressure expansion valve and intelligent temperature control, it operates reliably even at an inlet temperature of 65 ° C and an ambient temperature of 42 ° C, featuring dual antifreeze protection for temperature and pressure.



Precision Filter

Pressure-resistant housing with a maximum working pressure of $\leq 1.6\text{MPa}$;
Five-stage filtration ensures oil-free output air;
Low maintenance cost, excellent treatment effectiveness.



Adsorption Air Dryer

Combining the benefits of both heating and heatless regeneration, it uses slight heating during regeneration to reduce air consumption, extending the tower switching cycle. Under normal conditions, it can lower air dew point (under pressure) to below -40°C (as low as -70°C), making it suitable for applications demanding high air quality, especially in cold environments below 0°C .



Air Tank

Sturdy structure and easy installation, which is applicable for various environments;
Capacity range: 300 liters to 50,000 liters;
Working pressure range: 8 bar to 46 bar;
With the raw material options of carbon steel and stainless steel.

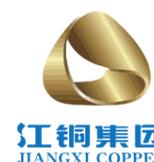


Customer Cases
南翔客户案例



Industrial Customers

合作客户



Pursuing Exceptional Quality And High-Caliber Innovation

追求卓越品质，勇攀创新高峰



Sales Network

销售网络



国际经销网络

International Distribution Network

美国	USA	荷兰	Holland	印度	India
加拿大	Canada	南非	South Africa	泰国	Thailand
墨西哥	Mexico	阿尔及利亚	Algeria	越南	Vietnam
秘鲁	Peru	沙特阿拉伯	Saudi Arabia	菲律宾	Philippines
智利	Chile	迪拜	Dubai	印度尼西亚	Indonesia
阿根廷	Argentina	俄罗斯	Russia	澳大利亚	Australia
丹麦	Denmark	巴基斯坦	Pakistan		

国内销售网络

Domestic Sales Network

上海灵希销售公司
 南昌市西湖区南翔空压机网点
 南昌市安义县南翔空压机网点
 南昌市进贤县南翔空压机网点
 上饶市余干县南翔空压机网点
 抚州市临江区南翔空压机网点
 抚州市临川区南翔空压机网点
 抚州市广昌县南翔空压机网点
 九江市浔阳区南翔空压机1号店
 九江市浔阳区南翔空压机2号店
 九江市湖口县南翔空压机网点
 九江市德安县南翔空压机网点
 鹰潭市余江区南翔空压机网点
 吉安市峡江县南翔空压机网点
 吉安市安福县南翔空压机网点
 吉安市新干县南翔空压机网点
 吉安市吉安县南翔空压机网点
 吉安市泰和县南翔空压机网点
 景德镇市珠山区南翔空压机网点
 宜春市万载县南翔空压机网点
 萍乡市上栗县南翔空压机网点

萍乡市安源区南翔空压机网点
 安庆市宜秀区南翔空压机网点
 武汉市汉南区南翔空压机网点
 武汉市武昌区南翔空压机网点
 武汉市黄浦区南翔空压机网点
 武汉市东西湖区南翔空压机网点
 岳阳市岳阳楼区南翔空压机网点
 长沙市芙蓉区南翔空压机网点
 长沙市雨花区南翔空压机1号店
 长沙市雨花区南翔空压机2号店
 长沙市宁乡区南翔空压机网点
 苏州市吴中区南翔空压机网点
 苏州市相城区南翔空压机网点
 上海市松江区南翔空压机网点
 上海市嘉定区南翔空压机网点
 上海市奉贤区南翔空压机网点
 上海市浦东新区南翔空压机网点
 南京市雨花台区南翔空压机网点
 宜昌市西陵区南翔空压机网点
 襄阳市襄州区南翔空压机网点
 厦门市湖里区南翔空压机网点

赣州市章贡区南翔空压机网点
 赣州市南康区南翔空压机网点
 合肥市包河区南翔空压机网点
 合肥市瑶海区南翔空压机网点
 荆门市东宝区南翔空压机网点
 杭州市余杭区南翔空压机网点
 深圳市光明区南翔空压机网点
 深圳市宝安区南翔空压机网点
 郑州市新密区南翔空压机网点
 郑州市金水区南翔空压机网点
 郑州市荥阳区南翔空压机网点
 菏泽市牡丹区南翔空压机网点
 临沂市兰山区南翔空压机网点
 临沂市费县南翔空压机网点
 青岛市黄岛区南翔空压机网点
 济南市天桥区南翔空压机网点
 西安市未央区南翔空压机网点
 成都市金牛区南翔空压机网点
 成都市新都区南翔空压机网点
 大连市金州区南翔空压机网点
 沈阳市于洪区南翔空压机网点