



RUIWO MACHINERY
Manufacturing Co., LTD.

SCREW AIR COMPRESSOR

专业制造螺杆式空气压缩机及其相关配件



www.rhaircompressor.com

ABOUT RUIWO

公司介绍

Shandong RuiWo machinery manufacturing Co., Ltd. is a high-tech enterprise specializing in the research and development, manufacturing and sales of air compressors, pressure vessels and other products. RuiWo has a number of intellectual property rights, a professional R&D team, and senior technical operators. Starting from the starting point, we will devote our efforts to each part to create high-quality products. It is widely used in machinery, metallurgy, electronic power, medicine, packaging, chemical industry, food, mining, textile, transportation and many other industrial fields. Screw air compressors, mobile air compressors and various types of pressure vessels developed and produced by RuiWo Machinery. Leading the domestic market with its high quality, high performance, high efficiency, energy saving and environmental protection, and exported to overseas.

山东瑞沃机械制造有限公司，是专业从事空气压缩机，压力容器等产品的研发，制造，销售的高新技术企业。瑞沃拥有多项自主知识产权，专业的研发团队，高级技术作业人员。从起点做起，将心血灌注到每个零部件，打造高品质产品。广泛应用于机械，冶金，电子电力，医药，包装，化工，食品，采矿，纺织，交通等众多工业领域。由瑞沃机械研发生产的螺杆式空气压缩机（screw air compressor），移动式空压机（Mobile air compressors）以及各种型号压力容器。以其高质量、高性能、高效率、节能环保的卓越品质领先国内市场，并远销海外。



节能

More Energy Saving



高效

Higher Efficiency



降噪

Reduce Equipment Noise



稳定

Constant Power



尖端科技，打造无限动力！

Cutting-edge technology to create strong power

Honorary Certification

荣誉认证

符合国际各项标准，产品品质有保障
In line with international standards, product quality is guaranteed



-  **专利**
Invention patent
-  **创新**
R&d innovation
-  **品质**
Reliable quality



CREATE Excellent Quality

用实力打造过硬品质

Lead the continuous innovation of air compression system, and create a professional, modular and large-scale industrial base

引领空气压缩系统不断创新，打造专业化、模块化、规模化的产业基地



01

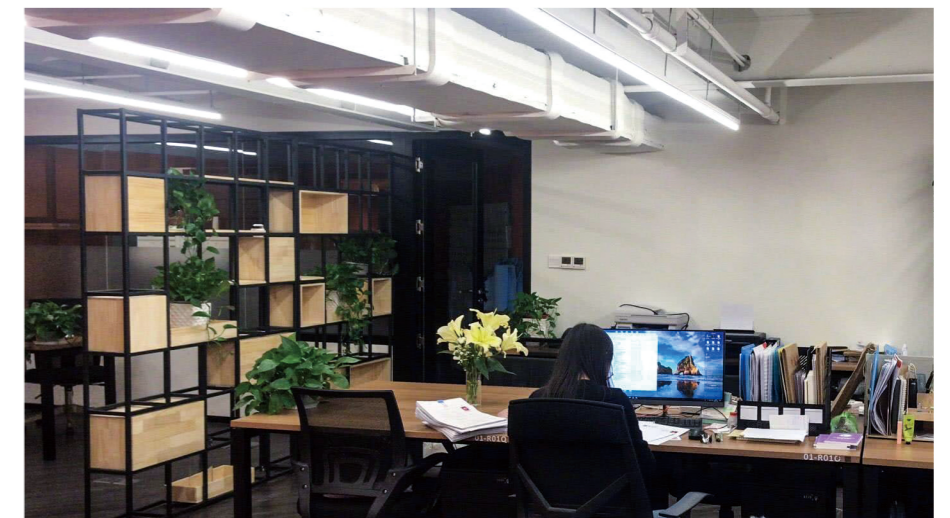
50,000+ m²

Construction area of more than 50,000 square meters
建筑面积50000多平方米

02

30+ Patents

More than 30 design patents, more than 200 technical innovation and research and development
30多项设计专利，200多项技术创新及研发

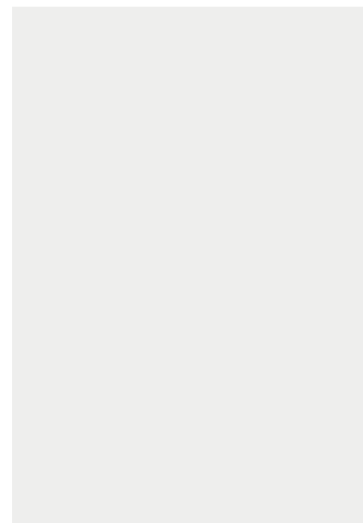
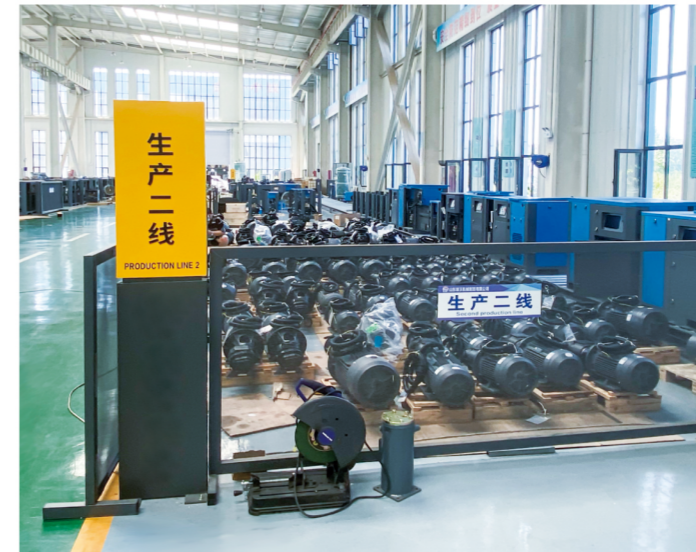


Production Line

生产流水线

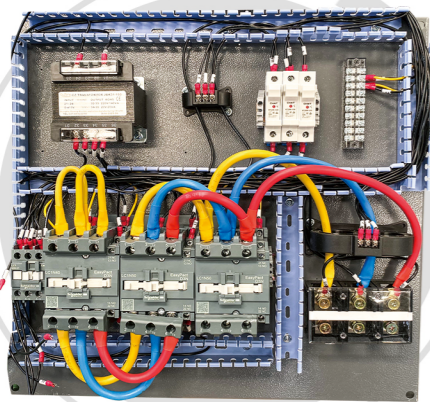
The standardized, modular and large-scale production process ensures the quality and production capacity

规范化、模块化、规模化的生产工艺，保障了品质和产能



CORE COMPONENT

高效节能核心部件

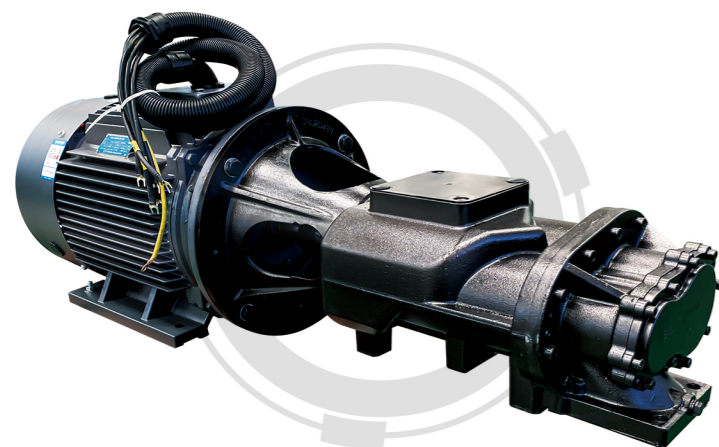


专业的布线，国际品牌电气部件

Professional wiring, international brand electrical parts

主要电气原件均采用国际主流品牌施耐德，布线规整，线路分明，避免阻流和干扰的产生，方便后期调整及维护

The main electrical components are made of the international mainstream brand Schneider, the wiring is regular, the line is clear, to avoid the generation of obstruction and interference, convenient for later adjustment and maintenance

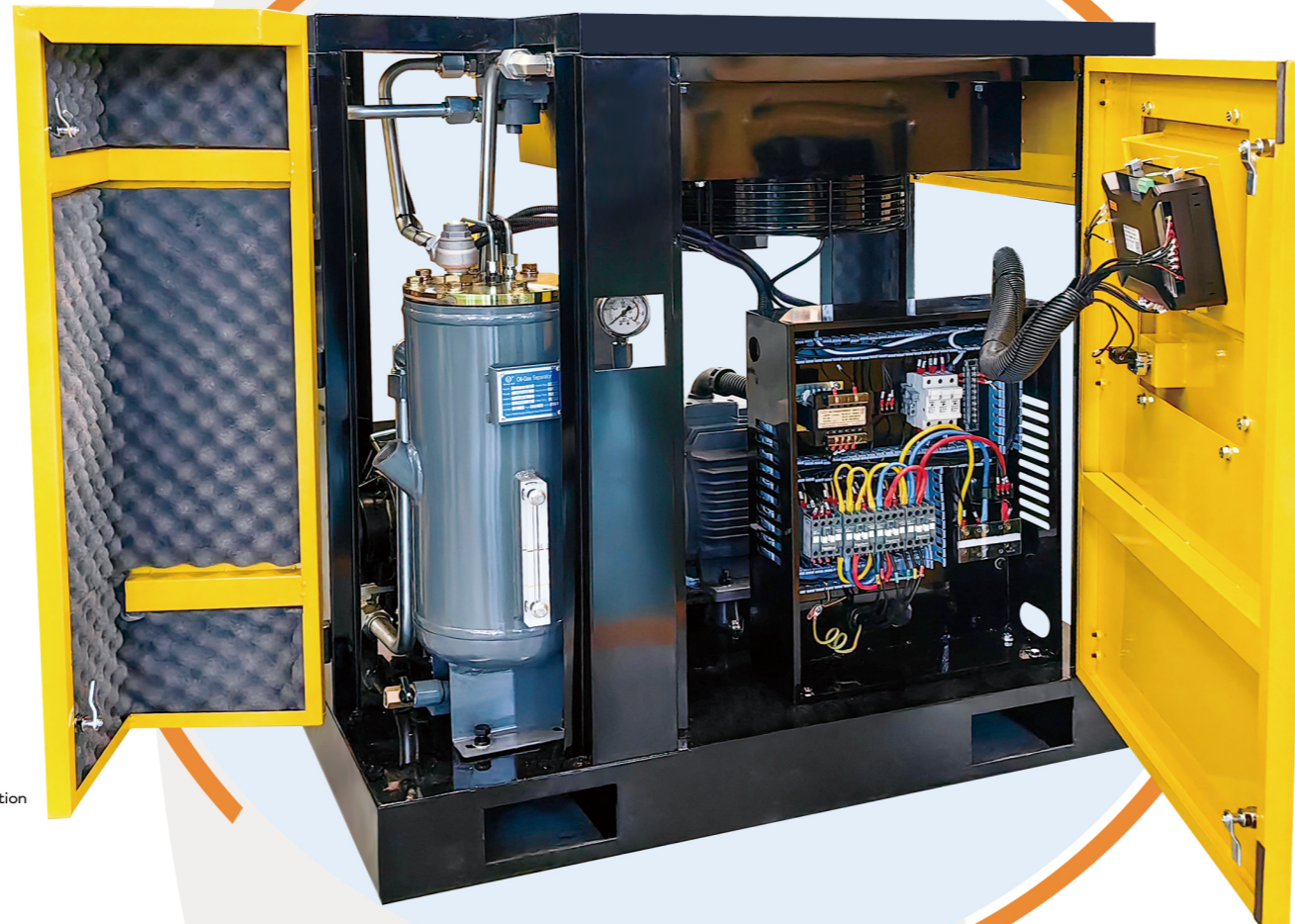


高效节能螺杆主机和永磁电机

High efficiency and energy saving screw main engine and permanent magnet motor

主机采用大转子、低转速设计，低噪音、低震动、压缩比小、容积率高，使用寿命长；主电机采用防护等级IP55高效永磁电机，扭矩和轴承负载经过特殊设计，转换率和功率系数较其他电机提升5%-8%

The main machine adopts large rotor, low speed design, low noise, low vibration, small compression ratio, high volume ratio, long service life; The main motor adopts IP55 high efficiency permanent magnet motor, torque and bearing load are specially designed, and the conversion rate and power coefficient are increased by 5%-8% compared with other motors



智能微电脑控制系统

Intelligent microcomputer control system

智能操控，一键设定，中英文切换，实现可视化、智能化、极简化的多功能控制系统

Intelligent control, one-click setting, Chinese-English dual-language switching, to achieve visual, intelligent, extremely simplified multi-function control system



多层分离芯油气过滤系统

Multi-layer core oil and gas filtration system

特殊的筒体设计，多层聚集式分离芯及回油装置组成，使用寿命长，高密度过滤芯在过滤时不会改变流动方向，更好的保护轴承和螺杆转子

Special cylinder design, multi-layer aggregate separation core and oil return device, long service life, high-density filter element will not change the flow direction during filtration, better protection of bearings and screw rotor



主流高级变频器

Big brand advanced inverter

采用大品牌高效变频器，主流压缩机首选品牌，变频调速转动系统，高效节能、降低能耗，提高功率转换

Adopt large brand high efficiency inverter, mainstream compressor preferred brand, frequency conversion speed regulation rotation system, high efficiency and energy saving, reduce energy consumption, improve power conversion



普通(工频)螺杆空压机

Ordinary (fixed speed) air compressor

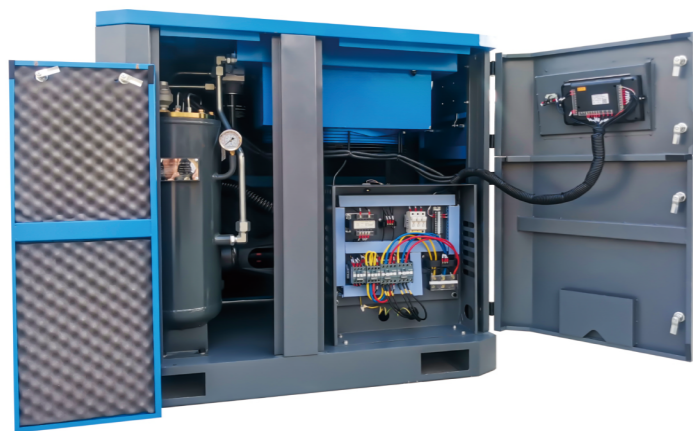


工频压缩机产品特点

Product characteristics of fixed speed compressor

工频压缩机采用的是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

The fixed speed compressor adopts the industry-leading screw aircend, high efficiency, low speed, the rotor adopts the third generation tooth type, leading excellent profile design; With quiet, energy saving, stability, high reliability and long service life, the use of special low speed screw air compressor professional motor, high stability, compared with similar products have 3%-5% efficiency improvement



Ordinary (fixed speed) air compressor parameters

参数 Parameters	机型 Model	RW-10A	RW-15A	RW-20A	RW-25A	RW-30A	RW-40A	RW-50A	RW-60A	RW-75A
排气量/排气压力 (M3/Min/Mpa)FAD/ 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
		0.9/1.0	1.5/1.0	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
		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
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 Life	4	10	10	16	16	16	22	22	48
噪音 Noise	Db(A)	68±2	68±2	68±2	70±2	70±2	72±2	72±2	74±2	74±2
驱动方式 Driven Mode		直联/ Direct drive								
电源 Voltage		380V/ 50Hz/ 3Ph /定制 Customized								
功率 Power	KW	7.5	11	15	18.5	22	30	37	45	55
启动方式 Starting Mode		直接启动 Direct Start			Y-△启动/ Variable frequency start					
外形尺寸 Dimension	长/Length mm	900	1050	1050	1200	1200	1500	1500	1500	1700
	宽/Width mm	620	700	700	850	850	1000	1000	1000	1200
	高/Height mm	860	1050	1050	1145	1145	1265	1265	1265	1500
重量 Net Weight	KG	187	255	285	362	362	550	590	650	1150
出口管径 Pipe Diameter		G 1/2	G 3/4	G 3/4	G 1	G 1	G 1	G 1,1/2	G 1,1/2	G 2

参数 Parameters	机型 Model	RW-100A	RW-120A	RW-150A	RW-175A	RW-200A	RW-250A	RW-270A	RW-350A	RW-420A
排气量/排气压力 (M3/Min/Mpa)FAD/ Max Pressure		12.6/0.8	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
		11.0/1.0	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
		9.5/1.2	12.3/1.2	14.8/1.2	17.4/1.2	19.5/1.2	22.8/1.2	29.5/1.2	35.8/1.2	39.5/1.2
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℃/ Ambient Temp+15℃ 水冷/ Water-Cooling:≤40℃								
润滑油量 Lubricant Oil	升 Life	48	65	72	72	90	90	125	150	150
噪音 Noise	Db(A)	80±2	85±2	85±2	85±2	85±2	88±2	88±2	88±2	88±2
驱动方式 Driven Mode		直联/ Direct drive								
电源 Voltage		380V/ 50Hz/ 3Ph /定制 Customized								
功率 Power	KW	75	90	110	132	160	185	220	250	315
启动方式 Starting Mode		Y-△启动/ Variable frequency start								
外形尺寸 Dimension	长/Length mm	1700	1900	2300	2300	2500	3600	3600	3600	4100
	宽/Width mm	1200	1220	1470	1470	1600	2100	2100	2100	2100
	高/Height mm	1500	1500	1840	1840	1900	2280	2280	2280	2280
重量 Net Weight	KG	1350	1460	1970	2010	2800	3500	3600	3800	4100
出口管径 Pipe Diameter		G 2	G 2	G 2,1/2	G 2,1/2	G 2,1/2	DN 100	DN 100	DN 100	DN125

永磁变频 空气压缩机

Permanent magnet variable
frequency air compressor



永磁变频压缩机产品特点

Features of permanent magnet variable frequency compressor

智能变频技术，相对普通工频空压机节能30%，高效永磁电机，节能6-7%，采用最新一代型线主机，一体轴结构，紧凑稳定，能效高

Intelligent frequency conversion technology, compared with the ordinary frequency air compressor energy saving 30%, efficient permanent magnet motor, energy saving 6-7%, using the latest generation of line host, one axis structure, compact and stable, high energy efficiency



参数 Parameters	机型 Model	RW-PM10A	RW-PM15A	RW-PM20A	RW-PM25A	RW-PM30A	RW-PM40A	RW-PM50A	RW-PM60A	RW-PM75A
排气量/排气压力 (M3/Min/Mpa)FAD/ 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
		0.9/1.0	1.5/1.0	2.0/1.0	2.7/1.0	3.2/1.0	4.5/1.0	5.6/1.0	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 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 Life	4	10	10	16	16	22	22	22	55
噪音 Noise	Db(A)	66±2	66±2	66±2	68±2	68±2	72±2	72±2	72±2	78±2
驱动方式 Driven Mode		永磁同步/ Permanent Magnet Synchronous								
电源 Voltage		380V/ 50Hz/ 3Ph /定制 Customized								
功率 Power	KW	7.5	11	15	18.5	22	30	37	45	55
启动方式 Starting Mode		变频启动/ Variable frequency start								
外形尺寸 Dimension	长/Length mm	900	1050	1050	1200	1200	1500	1500	1500	1700
	宽/Width mm	620	700	700	850	850	1000	1000	1000	1200
	高/Height mm	860	1050	1050	1145	1145	1265	1265	1265	1500
重量 Net Weight	KG	187	255	285	362	362	550	590	650	1150
出口管径 Pipe Diameter		G 1/2	G 3/4	G 3/4	G 1	G 1	G 1	G 1,1/2	G 1,1/2	G 2

参数 Parameters	机型 Model	RW-PM100A	RW-PM120A	RW-PM150A	RW-PM175A	RW-PM200A	RW-PM250A	RW-PM300A	RW-PM350A	RW-PM420A
排气量/排气压力 (M3/Min/Mpa)FAD/ Max Pressure		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	50.2/0.8
		11.0/1.0	13.8/1.0	16.8/1.0	20.5/1.0	22.6/1.0	26.0/1.0	33.2/1.0	39.7/1.0	44.5/1.0
		9.5/1.2	12.3/1.2	14.8/1.2	17.4/1.2	19.5/1.2	22.8/1.2	30.5/1.2	35.8/1.2	39.5/1.2
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 Life	48	65	72	72	90	90	195	195	150
噪音 Noise	Db(A)	78±2	83±2	85±2	85±2	88±2	88±2	88±2	88±2	88±2
驱动方式 Driven Mode		直联/ Direct Drive								
电源 Voltage		380V/ 50Hz/ 3Ph /定制 Customized								
功率 Power	KW	75	90	110	132	160	185	220	250	315
启动方式 Starting Mode		变频启动/ Variable frequency start								
外形尺寸 Dimension	长/Length mm	1700	1900	2300	2300	2500	3600	3600	3600	4100
	宽/Width mm	1200	1220	1470	1470	1600	2100	2100	2100	2100
	高/Height mm	1500	1500	1840	1840	1900	2280	2280	2280	2280
重量 Net Weight	KG	1350	1460	1800	2010	2800	3500	3600	3800	4100
出口管径 Pipe Diameter		G 2	G 2	G 2, 1/2	G 2, 1/2	G 2, 1/2	DN100	DN100	DN100	DN125

永磁变频双级压缩机

Permanent magnet frequency conversion two stage compression compressor

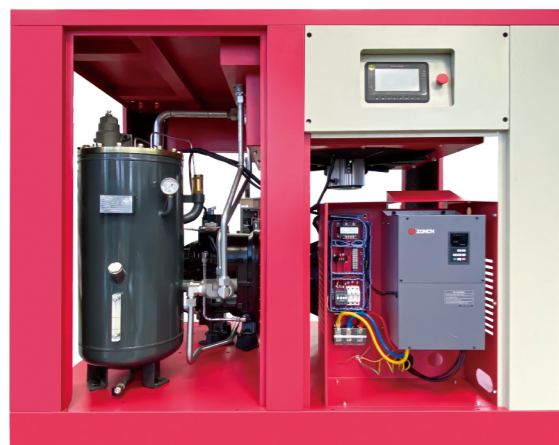


永磁双级变频空压机特点

Product characteristics of permanent magnet two stage compression compressor

采用双级压缩，排气量增加近15%，实现15%的节能效果，减少内漏泄，提高容积效率，降低轴承负担，采用变频调速转动系统，节约能源、降低生产成本，提高转换功率

Using two-stage compression, exhaust increased by nearly 15%, achieve 15% energy saving effect, reduce internal leakage, improve volumetric efficiency, reduce bearing burden, the use of variable frequency speed regulating rotation system, save energy, reduce production costs, improve conversion power



Permanent magnet frequency conversion two-stage compression compressor

参数 Parameters	机型 Model	RW-PM2T30	RW-PM2T40	RW-PM2T50	RW-PM2T60	RW-PM2T75	RW-PM2T100	RW-PM2T120	RW-PM2T150
排气量/排气压力 (M3/Min/Mpa)FAD/ Max Pressure		4.1/0.8	6.1/0.8	7.3/0.8	10.0/0.8	12.5/0.8	16.0/0.8	20.0/0.8	23.0/0.8
		4.19/1.0	5.57/1.0	7.46/1.0	9.15/1.0	11.66/1.0	15.2/1.0	16.9/1.0	19.7/1.0
		3.39/1.2	4.15/1.2	5.25/1.2	7.39/1.2	9.06/1.2	11.54/1.2	15.05/1.2	18.78/1.2
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 Life	13	24	24	75	75	75	90	90
噪音 Noise	Db(A)	68±2	68±2	68±2	74±2	74±2	74±2	74±2	78±2
驱动方式 Driven Mode		直联/ Direct Drive							
电源 Voltage		380V/ 50Hz/ 3Ph/ 定制 Customized							
功率 Power	KW	22	30	37	45	55	75	90	110
启动方式 Starting Mode		变频启动/ Variable Frequency Start							
外形尺寸 Dimension	长/Length mm	1500	1660	1660	2180	2180	2180	2500	2500
	宽/Width mm	1030	1115	1115	1390	1390	1390	1630	1630
	高/Height mm	1250	1400	1400	1660	1660	1660	1930	1930
重量 Net Weight	KG	589.5	810	848	1800	1860	1960	2360	2390
出口管径 Pipe Diameter		G 1	G 1, 1/2	G 1, 1/2	G 2	G 2	G 2	G 2, 1/2	G 2, 1/2

参数 Parameters	机型 Model	RW-PM2T175	RW-PM2T200	RW-PM2T250	RW-PM2T270	RW-PM2T300	RW-PM2T350		
排气量/排气压力 (M3/Min/Mpa)FAD/ Max Pressure		27.0/0.8	32.0/0.8	39.0/0.8	41.0/0.8	44.0/0.8	52.0/0.8		
		25.94/1.0	30.86/1.0	31.85/1.0	35.22/1.0	39.6/1.0	45.10/1.0		
		20.98/1.2	23.75/1.2	30.55/1.2	31.53/1.2	34.87/1.2	39.2/1.0		
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 Life	90	128	128	138	138	138		
噪音 Noise	Db(A)	78±2	82±2	82±2	84±2	84±2	84±2		
驱动方式 Driven Mode		直联/ Direct Drive							
电源 Voltage		380V/ 50Hz/ 3Ph/ 定制 Customized							
功率 Power	KW	132	160	185	200	220	250		
启动方式 Starting Mode		变频启动/ Variable Frequency Start							
外形尺寸 Dimension	长/Length mm	2500	3630	3630	3630	3630	3630		
	宽/Width mm	1630	2160	2160	2160	2160	2160		
	高/Height mm	1930	2310	2310	2310	2310	2310		
重量 Net Weight	KG	2445	3800	4100	4800	5100	5600		
出口管径 Pipe Diameter		G 2, 1/2	DN100	DN100	DN100	DN100	DN100		

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



无需安装

No installation

接电即用

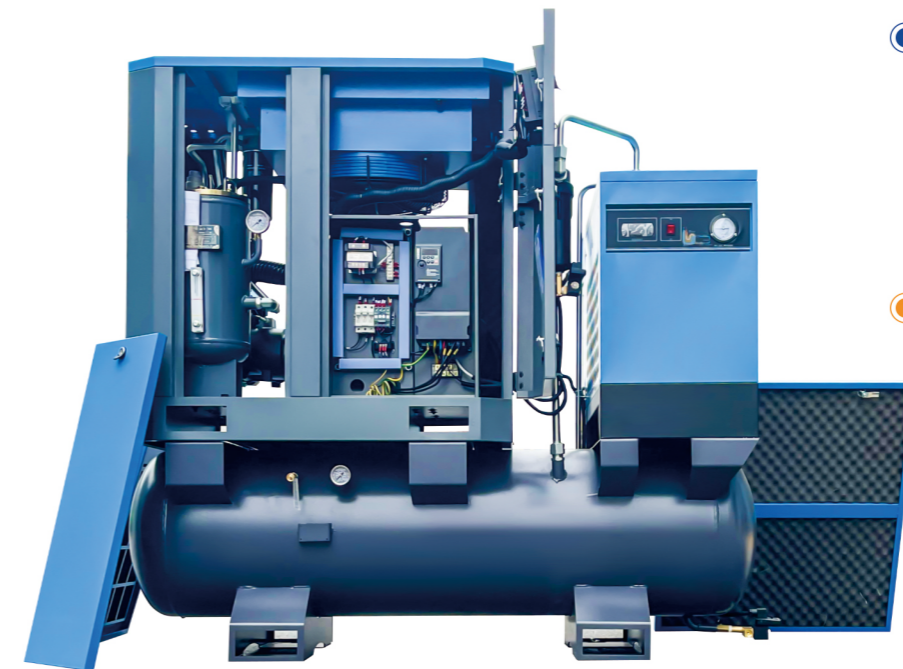
Power-and-go

容易维护

Easy maintenance

可调压力

Adjustable pressure



高效电机+主机

IP54、绝缘等级F、B级高温，连续运行设计

High efficiency all copper motor

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

361-418V宽电压设计

电压适应范围宽广、确保持续供电，保护压力露点

361-418V wide voltage design

Wide voltage adaptation range, ensure continuous power supply, protect pressure dew point

机型Model	RW-10HP	RW-11HP	RW-20HP	RW-30HP
参数 Parameters				
电机功率 Motor power	7.5	11	15	22
功率/压力 Capacity/Pressure (m ³ /min/MPa)	1.1/0.8	1.7/0.8	2.25/0.8	3.6/0.8
			1.1/1.6	2.0/1.6
容量 L Tank (L)	400	400	400	500
长 (mm) Length (mm)	1450	1780	1780	1840
宽 (mm) Width (mm)	650	750	750	740
高 (mm) Height (mm)	1500	1730	1730	1730
重量 (KG) Weight (KG)	550	560	600	650

永磁变频微油螺杆真空泵

Permanent magnet variable frequency micro-oil screw vacuum pump



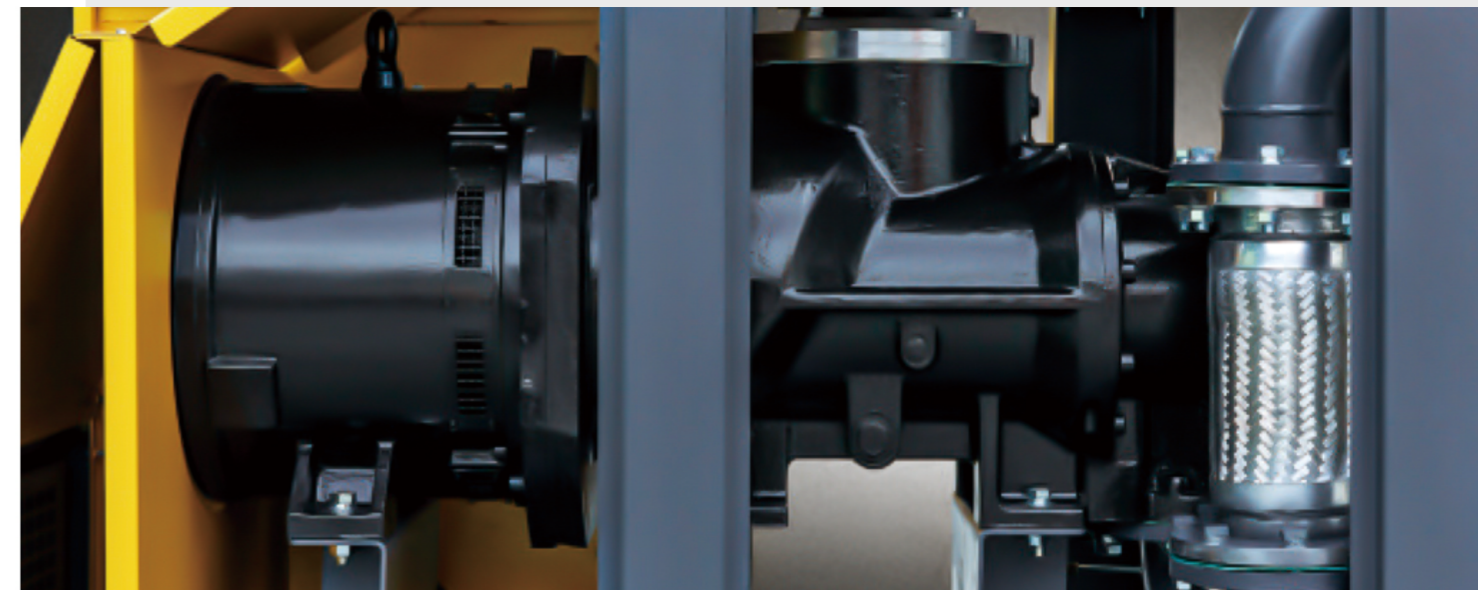
永磁变频微油螺杆真空泵特性

Permanent magnet variable frequency micro-oil screw vacuum pump characteristics

永磁变频螺杆真空泵是一种高效、节能的真空泵设备，广泛应用于多个行业中。具有高效节能，宽工作范围，低噪音、低振动，高可靠性的显著特点

The permanent magnet variable frequency screw vacuum pump is a high-efficiency, energy-saving vacuum pump equipment that is widely used in many industries. It has the characteristics of high efficiency, energy saving, wide working range, low noise, small vibration, and high reliability

- **静音运行，有效降低噪音**
Quiet operation, effectively reduce noise
- **自动补气系统，运行平稳可靠**
Automatic air replenishment system, stable and reliable operation
- **变频自控，集成化降低成本**
Frequency control, integration to reduce costs



方便快捷

Convenient and quick

插电即用，变频自控，占地面积小，节省空间
Plug and play, frequency control, small footprint, space saving

成本低廉

Low maintenance cost

无旋片，无振动磨损，保养成本低
No rotating disc, no vibration wear, low maintenance cost

智能监控

Intelligent monitoring

智能触摸屏，随时查看运行和保养
Smart touch screen to check operation and maintenance at any time

螺杆主机

Screw main engine

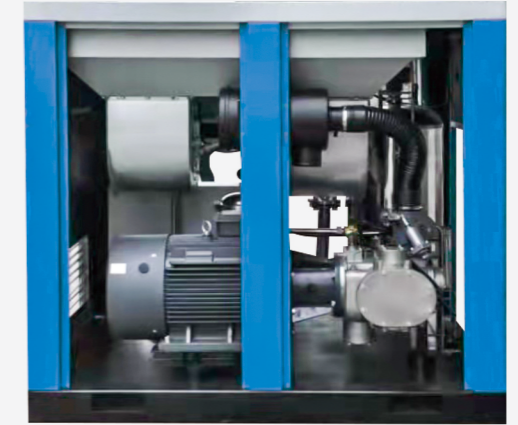
运行平稳，大轴距，永磁变频，排气量高
Smooth operation, large wheelbase, permanent magnet frequency conversion

无油水润滑螺杆空压机

Water lubricated screw oil-free compressor

水润无油压缩机比干式螺杆机节能15%，并且没有油污染，采用耐腐蚀的
海军铜合金材质，坚固耐用，振动小，噪音低

Water lubricated oil-free compressor energy saving 15% than dry screw compressor,
and no oil pollution, the use of corrosion-resistant navy copper alloy material, durable, low
vibration, low noise



等温压缩，干燥空气 (Isothermal compression, dry air)

空气在20°C的条件下在干式主机中压缩至7KG/cm²G, 润滑水注入压缩室中，提高吸气输入量，
提高转换效率，润滑水和空气在过滤器中初步分离，达到干燥空气的目的

The air is compressed to 7KG/cm²G in the dry host at 20 ° C, and the lubricating water is
injected into the compression chamber to improve the suction input, improve the conversion
efficiency, and the lubricating water and air are initially separated in the filter to achieve the
purpose of drying air

永磁变频无油螺杆鼓风机

permanent magnet frequency conversion screw blower



无油螺杆鼓风机特性

Screw blower characteristics

基于螺杆转子的内压缩特性，无油螺杆鼓风机对比传统罗茨鼓风机，从0.5BAR压力减少约25%，能效提升60%以上

Based on the internal compression characteristics of the screw rotor, oil-free screw blowers can reduce the pressure from 0.5BAR by 25% and improve the performance by more than 60% compared to traditional Roots blowers



- **高稳定性，持续24小时运作**
High stability, 24 hours operation
- **基于内压缩比，主机性能提升30%**
Based on the internal compression ratio, the host performance is improved by more than 30%
- **高效变频节能，低耗损**
High frequency conversion energy saving, low loss
- **提供远程操作、联机功能**
Provides remote operation and online functions

20%
螺杆鼓风机出口温度低20%
Screw blower outlet temperature is 20% lower

螺杆鼓风机 Screw blower	罗茨鼓风机 Roots blower
工作压力增加0.1Bar，出口温度提升8度	工作压力增加0.1Bar，出口温度提升10度
The working pressure is increased by 0.1Bar, and the outlet temperature is increased by 8 degrees	The working pressure is increased by 0.1Bar, and the outlet temperature is increased by 10 degrees

脉冲低，寿命长
永磁变频螺杆机 Screw blower
The screw blower has low pulse and long service life

螺杆鼓风机 Screw blower	罗茨鼓风机 Roots blower
排气稳定，内压缩比低，降低压力脉冲	完全依靠背压，回流产生脉冲，产生噪音和振动
Stable exhaust, low internal compression ratio, reduced pressure pulse	Relying entirely on back pressure, backflow produces pulses, creating noise and vibration

噪音低，流量大
永磁变频螺杆机 Screw blower
Screw blowers produce low noise and higher standard flow rates

螺杆鼓风机 Screw blower	罗茨鼓风机 Roots blower
机体配备散热夹套，噪音控制在80分贝以下，提升排气流量	不配套消音设备，噪音达到120分贝以上，流量低5%左右
The body is equipped with cooling jacket, the noise is controlled at 80 decibels, and the exhaust flow is increased	It does not support noise reduction equipment, the noise reaches more than 120 decibels, and the flow rate is about 5% lower

柴油移动式螺杆空压机

Diesel engine mobile screw air compressor

- 便捷式,可移动
Convenient and mobile
- 效率高,低油耗
Low fuel consumption
- 专业的技术制造
Professional manufacturer
- 双级压缩主机
Two-stage Airend
- 动力平衡性好
Good dynamic balance
- 高扭曲发动机
High twist engine



气密闭性好
Good air tightness

智能化操作
Intelligent operation

易维护保养
Easy maintenance

适应性强
Strong adaptability

Parameters of diesel mobile air compressor

机型 Model		RW50-8	RW75-8	RW75-10
参数 Parameters				
容积流量 Free air delivery	m ³ /min	4.5	6	5
	cfm	160	215	178
常规工作压力 Normal working pressure	bar	8	8	10
	psi	118	118	147
长度/ Length (mm)		2500	2500	2500
宽度/ Width (mm)		1750	1750	1750
高度/ Height (mm)		2100	2100	2100
重量/ Weight (KG)		1150	1150	1150
轮数量 Wheel qty		2	2	2
出口管径 Outlet pipe diameter		G 1*2	G 1*2	G 1*2
柴油机品牌 Diesel engine brand		XICHAi	XICHAi	XICHAi
额定功率 Rated power	kw	36.8	55	55
	hp	50	75	75
气缸数量 No. of cylinders		4	4	4
发动机转速 Engine speed		2650	2400	2000
油量 Oil capacity (L)		5	7	7
冷却剂量 Coolant capacity(L)		30	30	30
Battery(V)		12	24	24
油箱容量 Fuel tank capacity(L)		90	100	100

柴油移动式螺杆空压机

Diesel mobile screw air compressor

采用高效可调的变频双极压缩系统，不受空气质量和外部环境的影响，智能监控可视化，根据气量需求大小，进行自动调控，智能调节柴油机油门路，降低柴油消耗

The use of highly efficient adjustable variable frequency bipolar compression system, not affected by air quality and external environment, intelligent monitoring and visualization, according to the volume of gas demand, automatic regulation, intelligent adjustment of diesel engine oil gate, reduce diesel consumption



先进可控技术

Advanced control technology

双级更高效

Two-stage more efficient

提升排气量

Lifting displacement

更安全可靠

Secure and reliable

Parameters of diesel mobile air compressor

机型 Model		RW220-17-II	RW259-20-II	RW323-22-II
参数 Parameters				
容积流量 Free air delivery	m ³ /min	17	18.5	22
	cfm	600	653	777
常规工作压力 Normal working pressure	bar	17	20	22
	psi	250	324	220
长度/ Length (mm)		3465	3660	3660
宽度/ Width (mm)		1800	1900	1980
高度/ Height (mm)		2310	2310	2480
重量/ Weight (KG)		4135	4290	5080
轮数量 Wheel qty		4	4	4
出口管径 Outlet pipe diameter		G 1*1, G 2*1	G 1*1, G 2*1	G 1*1, G 2*1
柴油机品牌 Diesel engine brand		GUMMINS	GUMMINS	GUMMINS
额定功率 Rated power	kw	160	194	242
	hp	220	259	323
气缸数量 No. of cylinders		6	6	6
发动机转速 Engine speed		2100	2200	2100
油量 Oil capacity (L)		18	18	18
冷却剂量 Coolant capacity(L)		30	42	43
Battery(V)		24	24	24
油箱容量 Fuel tank capacity(L)		320	320	380

AIR DRYER

冷冻式干燥机-空压机后期处理设备



Conditions of use 干燥机使用条件	
Inlet temperature	常温 Normal temperatures ≤ 45°C 高温 high temperatures ≤ 80°C
Cooling mode	风冷 Air cooling
Ambient temperature	≤ 38°C
Pressure dew point	2-7°C
Intake pressure	0.6-1.0 Mpa
Pressure loss	≤ Working pressure 5%

产品优势和特性

Product advantages and features

整体性能更稳定 More stable performance

采用外转子风机，风力更加强大，从而提高冷凝和预冷效率，使整机运行更加稳定可靠

The use of external rotor fan, the wind is more powerful, thereby improving the condensation and precooling efficiency, making the whole machine more stable and reliable operation

效率高、寿命长 Efficient and durable

核心部件压缩机采用知名品牌，制冷效果更卓越，使用寿命更长久

The core component compressor adopts well-known brand, the refrigeration effect is better, and the service life is longer

用气环境更优越 Better gas environment

热交换器设计独特，热交换效率成倍提高，营造更为优越的用气环境

The heat exchanger design is unique, and the heat exchange efficiency is doubled to create a more superior gas environment

独特设计占地小 Small and convenient

设计新颖，外形美观；结构紧凑，占用场地小；布局合理，使用维护方便

Novel design, beautiful appearance; Compact structure, occupy a small space; Reasonable layout, easy to use and maintain

TECHNICAL PARAMETERS OF (G) TYPE AIR COOLED HIGH TEMPERATURE FREEZING DRYER

(G)型风冷高温冷冻式干燥机技术参数

Model	1G	2G	3G	5G	6G	8G	11G	13G	15G	20G	25G	30G	40G	50G	60G	80G	100G	
Air Flow m ³ /min	1.6	2.5	3.8	5.5	6.8	8.5	11.5	13.5	15.5	22	25	35	45	55	65	85	110	
Working Pressure	0.2-1.0 Mpa																	
Pressure dew point	2-10 °C																	
Power Supply	1φ220V/ 50Hz								3φ380V/ 50Hz									
Power of Compressor KW	0.7	0.9	1.0	1.2	1.6	1.8	2.0	3.0	3.1	4.5	4.5	6.9	9.2	11	14	18	20	
Power of Fan W	95	120	240	240	300	300	380	420	480	600	600	750	1080	2020	2020	1560	3330	
Diameter of inlet/outlet mm	G1"	G1.5"	G1.5"	G2"	G2"	G2.5"	G2.5"	G2.5"	DN65	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150	
Dimensions mm	Length	750	800	923	923	995	995	1125	1125	1120	1300	1300	1600	1800	1900	1900	2500	2800
	Width	420	440	500	500	585	585	625	625	700	750	750	820	820	900	900	1000	1000
	Height	730	800	910	910	1080	1080	1045	1045	1230	1230	1230	1520	1560	1570	1570	1900	2100
Weight kg	45	60	76	80	90	95	120	150	190	260	280	390	420	560	560	680	850	

TECHNICAL PARAMETERS OF (T) TYPE AIR-COOLED REFRIGERATED DRYER

(T)型风冷常温冷冻式干燥机技术参数

Model	1T	2T	3T	5T	6T	8T	11T	13T	15T	20T	25T	30T	40T	50T	60T	80T	100T	
Air Flow m ³ /min	1.5	2.5	3.5	5.5	6.5	8.5	11.5	13.5	15.5	22	25	34	45	55	65	87	110	
Working Pressure	0.2-1.0 Mpa																	
Pressure dew point	2-10 °C																	
Power Supply	1φ220V/ 50Hz								3φ380V/ 50Hz									
Power of Compressor KW	0.5	0.7	0.9	1.0	1.0	1.6	2.0	3.0	3.1	3.68	4.41	5.15	6.62	8.82	11.03	14.7	18.4	
Power of Fan W	80	95	120	240	240	300	380	420	480	480	480	720	720	720	760	960	1440	
Diameter of inlet/outlet mm	G1"	G1"	G1.5"	G1.5"	G1.5"	G2"	G2.5"	G2.5"	G2.5"	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150	
Dimensions mm	Length	665	750	800	923	995	995	1125	1125	1120	1500	1700	1770	1950	1950	2200	2500	2700
	Width	425	420	440	500	500	585	625	625	700	750	750	850	900	1050	1325	1325	1600
	Height	560	730	800	910	910	1080	1045	1045	1230	1335	1395	1445	1560	1600	1585	1695	2100
Weight kg	37	45	60	76	80	90	120	150	190	220	270	360	490	560	680	760	970	

AIR TANK

储气罐-空压机后期处理设备

储气罐作用 Product action

分离和清除压缩空气的水分、油污等杂质，稳定气压缓解冲击力，冷却空气，保障气流平稳

Separation and removal of compressed air moisture, oil and other impurities, stable air pressure to ease the impact, cooling air, to ensure smooth airflow



Technical parameter 技术参数

Volume (m ³) Working pressure (Mpa)	Bulk material	Weight (KG)	Design pressure (MPa)	Design height (mm)	Inner diameter (mm)	Thickness (mm)	Barrel Length (mm)
0.6/0.8	Q345R	110	0.84	2070	650	2.8	1480
0.6/1.0	Q345R	118	1.05	2070	650	2.8	1480
0.6/1.3	Q345R	134	1.31	2070	650	4	1480
1.0/0.8	Q345R	142	0.84	2153	780	2.8	1480
1.0/1.0	Q345R	163	1.05	2153	780	3.3	1480
1.0/1.3	Q345R	212	1.35	2153	780	4.5	1480
2.0/0.8	Q345R	311	0.84	2880	1000	4	2000
2.0/1.0	Q345R	336	1.05	2880	1000	4.5	2000
2.0/1.3	Q345R	404	1.32	2859	1000	5.5	2000
3.0/0.8	Q345R	460	0.84	3155	1200	4.5	2000
3.0/1.0	Q345R	504	1.05	3156	1200	5	2000
3.0/1.3	Q345R	589	1.3	3158	1200	6	2000
4.0/0.8	Q345R	597	0.84	3206	1400	5	2000
4.0/1.0	Q345R	702	1.05	3206	1400	6	2000
4.0/1.3	Q345R	806	1.3	3210	1400	7	2000
5.0/0.8	Q345R	761	0.84	3758	1520	5	2000
5.0/1.0	Q345R	826	1.05	3280	1520	6	2000
5.0/1.3	Q345R	981	1.37	3908	1400	7	2700

LINE FILTERS

精密过滤器-空压机后期处理设备

通过多层过滤，达到无油，无杂质的空气管路过滤器，滤除3MM以上的固体颗粒 除尘过滤器，滤除1MM的液体及固体颗粒

Through multi-layer filtration, to achieve no oil, no impurities air pipeline filter, filter more than 3µm solid particles dust filter, filter 1µm liquid and solid particles



HOS series Line filters HOS系列精密过滤器

Model	Specification	Capacity m ³ /min	Air inlet and outlet caliber	Drainage aperture	Height (mm)	Width (mm)
015 small	015QPS	1.5m ³ / min	G (3/4)	12.7 mm	240	85
015 small	015QPS	1.5m ³ / min	G 1	12.7 mm	245	85
015 large	015QPS	1.5m ³ / min	G 3/4	12.7 mm	265	85
015 large	015QPS	1.5m ³ / min	G 1	12.7 mm	268	85
024	024QPS	2.5m ³ / min	G 1 1/2	12.7 mm	310	105
035	035QPS	3.5m ³ / min	G 1 1/2	12.7 mm	310	105
060	060QPS	6.0m ³ / min	G 1 1/2	12.7 mm	448	105
010	00ICTA	10m ³ / min	G 2	12.7 mm	625	135

Manual measurement of product size; Grade Q: dust removal (filtration accuracy 3µm)
Grade P: water removal (filtration accuracy 1µm) Grade S: oil removal (filtration accuracy 0.01µm)

HKS series Line filters HKS系列精密过滤器

Model	Specification	Capacity m ³ /min	Air inlet and outlet caliber	Drainage aperture	Height (mm)	Width (mm)
001	00ICTA	1.5m ³ / min	33.33 mm G 1	12.7 mm	290	105
002	002CTA	2.5m ³ / min	33.33 mm G 1	12.7 mm	290	105
004	004CTA	3.5m ³ / min	50mm G 1 1/2	12.7 mm	360	125
007	007CTA	6.0m ³ / min	50mm G 1 1/2	12.7 mm	495	125
010	010CTA	12m ³ / min	66.7mm G 1 1/2	12.7 mm	625	135
013	013CTA	14m ³ / min	66.7mm G 1 1/2	12.7 mm	625	135

Manual measurement of product size; Grade C: dust removal (filtration accuracy 3µm)
Grade T: water removal (filtration accuracy 1µm) Grade A: oil removal (filtration accuracy 0.01µm)

多种空气压缩机

Multiple Air Compressors



支持颜色私人定制，核心部件采用主流品牌产品

Support color private customization, core components using mainstream brand products

全球化布局 Worldwide Planning

产品远销世界各地，与多家公司达成战略合作关系，将销售网点与服务体系分布全世界，完成全世界产品与服务的布局

Products are exported to all over the world, with a number of companies to reach a strategic partnership, the sales network and service system distribution around the world, to complete the layout of the world's products and services

产品应用行业

Product Application

空气压缩系统广泛应用于钢铁、有色冶炼、石油化工、制药、纺织、工业制造、矿山开采等行业的高压气体供气站

Air compression system is widely used in steel, non-ferrous smelting, petrochemical, pharmaceutical, textile, industrial manufacturing, mining and other industries of high pressure gas supply station

卓越的性能 *Excellent Performance*

全自动生产流水线，保障了品质和稳定性，不同系列产品，均采用最新的技术工艺，降低压缩过程的压缩比，提供容积效率，有效提升排气量

Automatic production line, to ensure quality and stability, different series of products, are using the latest technology, reduce the compression ratio of the compression process, provide volumetric efficiency, effectively improve the displacement

创新和突破 *Innovation and breakthrough*

深耕空气压缩体系20余年，优化产能，技术创新，突破功率极限，有效降低输入功率，降低负载率，节能更高效

Deep cultivation of air compression system for more than 20 years, optimize production capacity, technological innovation, break through the power limit, effectively reduce the input power, reduce the load rate, energy saving and more efficient

完善的服务 *Perfect after-sales service*

强大的技术研发团队，可以提供专业的定制服务，同时还会按照现实的应用环境，进行专业的技术知道，不定时收集用户反馈，优化产品性能和需求设定更新

Strong technical research and development team, can provide professional customized services, but also according to the realistic application environment, careful professional technical knowledge, collect user feedback from time to time, optimize product performance and demand Settings updatett



空气压缩与净化系统流程图 *Flow chart of air compression and purification system*



适用一般机械焊接、矿山等；符合ISO8573.1:3.-.4

Suitable for general mechanical welding, mining, etc. Comply with ISO8573.1:3.-.4

适用一般车间、气动工具、喷砂处理等；符合ISO8573.1:2.-.2

Suitable for general workshops, pneumatic tools, sandblasting, etc. Comply with ISO8573.1:2.-.2

适用食品、饮料、静电涂装、激光切割、精密控制阀等，可选过滤器组具有模块化可配>4级过滤器，具有压差指示器、自动排水排污阀；符合ISO857.1:1.-.1

Suitable for food, beverage, electrostatic coating, laser cutting, precision control valve, etc., optional filter group with modular configurable > 4-stage filter with differential pressure indicator and automatic drain valve; Comply with ISO857.1:1.-.1

适用食品、饮料、医疗、洁净无菌实验室、自动化科技设备、精密电子工业等；符合ISO8573.1:1.-.1

Suitable for food, beverage, medical, clean and sterile laboratory, automation technology equipment, precision electronics industry, etc. Comply with ISO8573.1:1.-.1



永磁变频技术与非永磁变频技术

Permanent magnet frequency conversion and non-permanent magnet frequency conversion technology

非变频机组—容调阀调节排量需求，压差耗损以电机变频方式调节排气量需求，变频压缩能效提升约7-30%，降低能耗，节省运行成本

Non-frequency conversion unit a volume control valve to adjust the displacement demand, pressure loss to motor frequency conversion mode to adjust the displacement demand, frequency conversion compression energy efficiency increased by about 7-30%, reduce energy consumption, save operating costs