

RUI HONG

Machinery Equipment Co., LTD.

山东瑞洪机械设备有限公司

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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 RUIHONG

公司介绍

Shandong Ruihong Machinery Equipment Co., Ltd. is a high-tech enterprise specializing in the research and development, manufacturing and sales of air compressors, pressure vessels and other products. Ruihong 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 Ruihong Machinery. Leading the domestic market with its high quality, high performance, high efficiency, energy saving and environmental protection, and exported to overseas.

山东瑞洪机械设备有限公司，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。瑞洪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。由瑞洪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

Certificate - 證明書 - Certificat - 증명서 - Сертификат - 證明書

شهادة - 證明書 - Certificat - 증명서 - Сертификат - 證明書



Verification of Compliance

NO.EC.1350.OD153826.WD06C95
Technical construction File no. DS-14000990-1, DS-14000990-2

Certificate's Holder: SHANDONG RUIHONG MACHINERY EQUIPMENT CO., LTD.
06205, Unit A, Building 2, Vite Third Road, Comprehensive Bonded Zone, Linyi City

Product: Screw air compressor
Model(s): RH-10HP, RH-15HP, RH-20HP, RH-30HP, RH-50HP, RH-100HP
Verification to Standard: EN ISO 12100:2010, EN 61000-6-1:2007, EN 61000-6-3:2007+A1:2011+AC:2012

Related to: Directive 2006/42/EC (Machinery), Directive 2004/108/EC (Electromagnetic Compatibility)

Remark: This Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Technical Construction File (TCF) is extant for the above listed product(s). The TCF satisfactorily covers the essential requirements of the above listed standards related to Directive 2006/42/EC (Machinery), Directive 2004/108/EC (Electromagnetic Compatibility). Other relevant is only valid for the equipment and configuration described and in conjunction with the TCF detailed above. Whereas the necessary activities before placing the product(s) on the market. Compliance with the essential requirements of the above mentioned Directives). This certificate can be checked for validity at www.entecerma.org

Date of issue: SEPTEMBER 2014 **Expiry date:** SEPTEMBER 2019

Certification Chief Manager
Tim Malloy



Certification Deputy Manager
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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

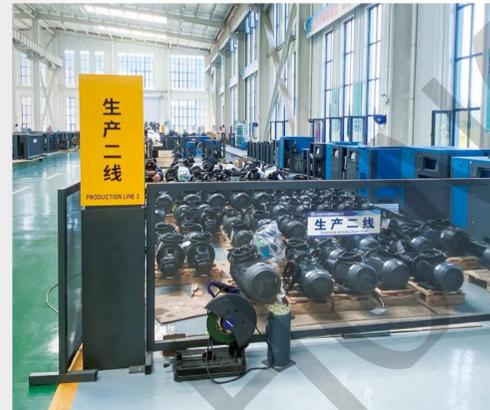


Production Line

生产流水线

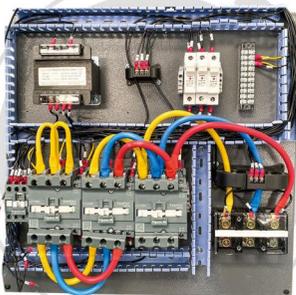
The standardized, modular and large-scale production process ensures the quality and production capacity

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机转子

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

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



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 air end, 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	RH-10A	RH-15A	RH-20A	RH-25A	RH-30A	RH-40A	RH-50A	RH-60A	RH-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-Δ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	RH-100A	RH-120A	RH-150A	RH-175A	RH-200A	RH-250A	RH-270A	RH-350A	RH-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-Δ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



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

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	RH-PM10A	RH-PM15A	RH-PM20A	RH-PM25A	RH-PM30A	RH-PM40A	RH-PM50A	RH-PM60A	RH-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	RH-PM100A	RH-PM120A	RH-PM150A	RH-PM175A	RH-PM200A	RH-PM250A	RH-PM300A	RH-350A	RH-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	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



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

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	RH-PM2T30	RH-PM2T40	RH-PM2T50	RH-PM2T60	RH-PM2T75	RH-PM2T100	RH-PM2T120	RH-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	RH-PM2T175	RH-PM2T200	RH-PM2T250	RH-PM2T270	RH-PM2T300	RH-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 参数/Parameters	RH-10HP	RH-20HP	RH-30HP
电机功率 Motor power	7.5	15	22
功率/压力 Capacity/Pressure (m ³ /min/MPa)	1.1/0.8	2.25/0.8	3.6/0.8
容量 L Tank (L)	400	400	500
长 (mm) Length (mm)	1450	1780	1840
宽 (mm) Width (mm)	650	750	740
高 (mm) Height (mm)	1500	1730	1730
重量 (KG) Weight (KG)	550	600	650

永磁变频无油自润滑螺杆真空泵

Oil-free self-lubricating screw vacuum pump



无油自润滑真空泵特性

Oil-free self-lubricating vacuum pump characteristics

解决了一般的真空系统无法满足清洁无油及耐腐蚀的要求，利用一对螺杆再主机腔体中作同步高速反旋转产生的吸气及排气作用，两个螺杆精细动态平衡，保证了运转平稳，噪音低

To solve the general vacuum system can not meet the requirements of clean oil and corrosion resistance, the use of a pair of screws in the main body for synchronous high-speed reverse rotation of the suction and exhaust effect, the two screws fine dynamic balance, to ensure smooth operation, low noise

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

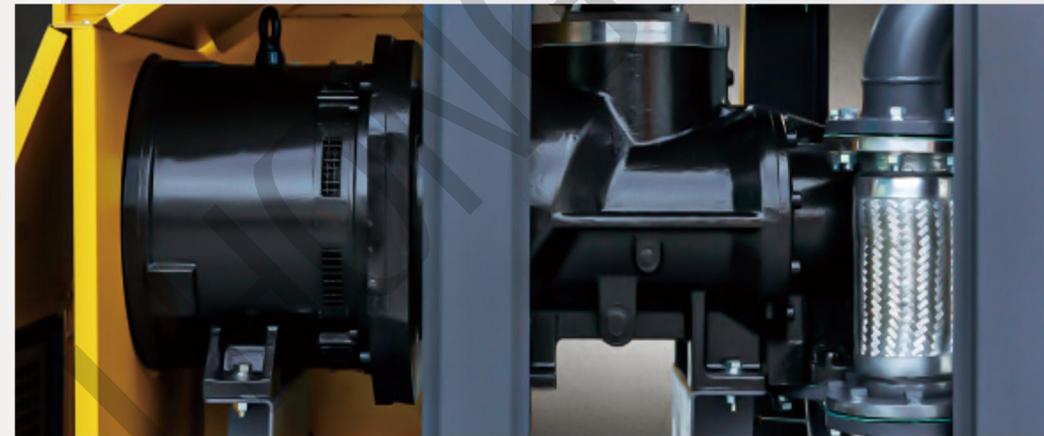
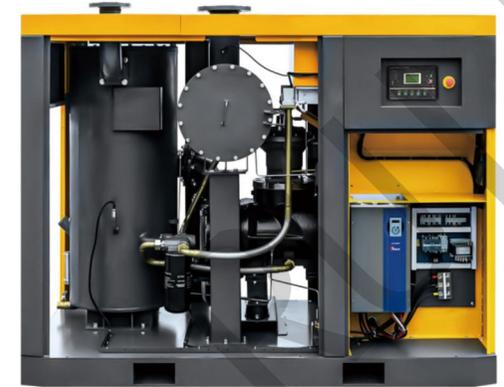
Automatic air replenishment system, stable and reliable operation

变频自控，集成化降低成本

Frequency control, integration to reduce costs

碳排放量底，无废油排放

Carbon emissions, no waste oil emissions



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

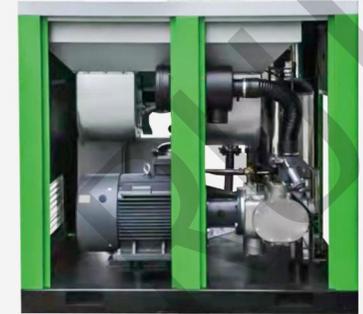
运行平稳，大轴距，永磁变频，排气量高
Smooth operation, large wheelbase, permanent magnet frequency conversion

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，低损耗

High frequency conversion energy saving, low loss

提供远程操作、联机功能

Provides remote operation and online functions



20%

螺杆鼓风机出门温度低20%

Screw blower outlet temperature is 20% lower

螺杆鼓风机 Screw blower

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 10 degrees

罗茨鼓风机 Roots blower

工作压力增加0.1Bar，出口温度提升8度

The working pressure is increased by 0.1Bar, and the outlet temperature is increased by 8 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

排气稳定，内压缩比低，降低压力脉冲

Stable exhaust, low internal compression ratio, reduced pressure pulse

罗茨鼓风机 Roots blower

完全依靠背压，回流产生脉冲，产生噪音和振动

Relying entirely on back pressure, back-flow 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

机体配备散热夹套，噪音控制在80分贝以下，提升排气流量

The body is equipped with cooling jacket, the noise is controlled at 80 decibels, and the exhaust flow is increased

罗茨鼓风机 Roots blower

不配套消音设备，噪音达到120分贝以上，流量低5%左右

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		RH50-8	RH75-8	RH75-10
参数 Parameters				
自由运行 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		XICHA	XICHA	XICHA
发动机型号 Engine model		4DW91-50GBG3U	4DW91-50GBG3U	4DW91-50GBG3U
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	2650	2650
油量 No. of cylinders(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)		100	100	100

Parameters of diesel mobile air compressor

机型 Model		RH160-10	RH160-13-II	RH190-13	RH190-15
自由运行 Free air delivery	m ³ /min	17	17	28	22
	cfm	608	500	1000	786
常规工作压力 Normal working pressure	bar	17	22	13	17
	psi	250	324	191	250
长度/ Length (mm)		3700	3700	3900	3900
宽度/ Width (mm)		1900	1900	2000	2000
高度/ Height (mm)		2350	2350	2400	2400
重量/ Weight (KG)		3500	3600	4000	4100
轮数量 Wheel qty		4	4	4	4
出口管径 Outlet pipe diameter		G 1*1 1/2*1	G 1*1 1/2*1	G 1,*1/ G 2*1	G 1,*1/ G 2*1
柴油机品牌 Diesel engine brand		YUCHAI	YUCHAI	YUCHAI	YUCHAI
发动机型号 Engine model		YC6A260-H300	YC6A260-H300	YC6A260-H300	YC6A260-H300
额定功率 Rated power	kw	191	191	221	221
	hp	260	260	300	300
气缸数量 No. of cylinders		6	6	6	6
发动机转速 Engine speed		2200	2200	2000	2000
油量 No. of cylinders(L)		24	24	28	28
冷却剂量 Coolant capacity(L)		110	110	140	140
Battery(V)		24	24	24	24
油箱容量 Fuel tank capacity(L)		220	220	280	280

机型 Model		RH190-17	RH190-15-II	RH220-15
自由运行 Free air delivery	m ³ /min	25	29	33
	cfm	893	1035	1180
常规工作压力 Normal working pressure	bar	25	24	25
	psi	368	353	396
长度/ Length (mm)		3600	3600	3600
宽度/ Width (mm)		2000	2000	2000
高度/ Height (mm)		2500	2500	2500
重量/ Weight (KG)		4500	4600	4700
轮数量 Wheel qty				
出口管径 Outlet pipe diameter		G 1*, G 2/1/2*1	G 1*, G 2/1/2*1	G 1*, G 2/1/2*1
柴油机品牌 Diesel engine brand		YUCHAI	YUCHAI	YUCHAI
发动机型号 Engine model				YC6K560-KT31
额定功率 Rated power	kw	309	320	375
	hp	420	430	500
气缸数量 No. of cylinders		6	6	6
发动机转速 Engine speed		1900	1900	1900
油量 No. of cylinders(L)		32	32	32
冷却剂量 Coolant capacity(L)		180	180	180
Battery(V)		24	24	24
油箱容量 Fuel tank capacity(L)		400	400	400

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		RH220-13-II	RH220-16-II	RH220-17-II	RH260-15-II
参数 Parameters					
自由运行 Free air delivery	m ³ /min	17	15	13	22
	cfm	608	535	465	786
常规工作压力 Normal working pressure	bar	13	16	17	15
	psi	191	235	250	220
长度/ Length (mm)		3500	3500	3500	3700
宽度/ Width (mm)		1750	1750	1750	1900
高度/ Height (mm)		2200	2200	2200	2350
重量/ Weight (KG)		3200	3200	3200	3500
轮数量 Wheel qty		4	4	4	4
出口管径 Outlet pipe diameter		G 1*1, 1/2*1	G 1*1, 1/2*1	G 1*1, 1/2*1	G 1*1, 1/2*1
柴油机品牌 Diesel engine brand		YUCHAI	YUCHAI	YUCHAI	YUCHAI
发动机型号 Engine model		YC6J220-T300	YC6J220-T300	YC6J220-T300	YC6J220-T300
额定功率 Rated power	kw	162	162	162	191
	hp	220	220	220	260
气缸数量 No. of cylinders		6	6	6	6
发动机转速 Engine speed		2200	2200	2200	2200
油量 No. of cylinders(L)		20	20	20	24
冷却剂量 Coolant capacity(L)		90	90	90	110
Battery(V)		24	24	24	24
油箱容量 Fuel tank capacity(L)		220	220	220	220

Parameters of diesel mobile air compressor

机型 Model		RH260-17-II	RH260-22-II	RH300-13-II	RH300-13-II
自由运行 Free air delivery	m ³ /min	17	17	28	22
	cfm	608	500	1000	786
常规工作压力 Normal working pressure	bar	17	22	13	17
	psi	250	324	191	250
长度/ Length (mm)		3700	3700	3900	3900
宽度/ Width (mm)		1900	1900	2000	2000
高度/ Height (mm)		2350	2350	2400	2400
重量/ Weight (KG)		3500	3600	4000	4100
轮数量 Wheel qty		4	4	4	4
出口管径 Outlet pipe diameter		G 1*1 1/2*1	G 1*1 1/2*1	G 1*,1/ G 2*1	G 1*,1/ G 2*1
柴油机品牌 Diesel engine brand		YUCHAI	YUCHAI	YUCHAI	YUCHAI
发动机型号 Engine model		YC6A260-H300	YC6A260-H300	YC6A260-H300	YC6A260-H300
额定功率 Rated power	kw	191	191	221	221
	hp	260	260	300	300
气缸数量 No. of cylinders		6	6	6	6
发动机转速 Engine speed		2200	2200	2000	2000
油量 No. of cylinders(L)		24	24	28	28
冷却剂量 Coolant capacity(L)		110	110	140	140
Battery(V)		24	24	24	24
油箱容量 Fuel tank capacity(L)		220	220	280	280

机型 Model		RH420-25-II	RH430-24-II	RH500-25-II
自由运行 Free air delivery	m ³ /min	25	29	33
	cfm	893	1035	1180
常规工作压力 Normal working pressure	bar	25	24	25
	psi	368	353	396
长度/ Length (mm)		3600	3600	3600
宽度/ Width (mm)		2000	2000	2000
高度/ Height (mm)		2500	2500	2500
重量/ Weight (KG)		4500	4600	4700
轮数量 Wheel qty				
出口管径 Outlet pipe diameter		G 1*, G 2/1/2*1	G 1*, G 2/1/2*1	G 1*, G 2/1/2*1
柴油机品牌 Diesel engine brand		YUCHAI	YUCHAI	YUCHAI
发动机型号 Engine model				YC6K560-KT31
额定功率 Rated power	kw	309	320	375
	hp	420	430	500
气缸数量 No. of cylinders		6	6	6
发动机转速 Engine speed		1900	1900	1900
油量 No. of cylinders(L)		32	32	32
冷却剂量 Coolant capacity(L)		180	180	180
Battery(V)		24	24	24
油箱容量 Fuel tank capacity(L)		400	400	400

AIR DRYER

冷冻式干燥机-空压机后期处理设备



产品结构和工作原理

Product structure and working principle

冷冻式干燥机由热交换系统、制冷系统及电气控制系统三部分组成，将压缩空气进行气-气/气-水的热量交换，去除热能，降低压缩空气温度

The refrigerated dryer is composed of three parts: a heat exchange system, a refrigeration system and an electrical control system, which will exchange the compressed air air-gas/gas-water heat to remove the heat energy and reduce the compressed air temperature

Compressor Brand 压缩机品牌

Model	Compressor brand
RH-1T	Nihong-91
RH-2T	Nihong-110
RH-3T	Meizhi-150/Geli-145
RH-6T	Meizhi-165/Geli-160
RH-8T	Meizhi-180/Geli-217
RH-11T	Meizhi-310/Geli-305
RH-13T	Panasonic-2v47



Technical Parameter 技术参数

Item	Model	RH-1T	RH-2T	RH-3T	RH-6T	RH-8T	RH-11T	
Air flow	M ³ /Min	1.5	2.5	3.5	6.5	8.5	11.5	
	CFM	54	89	125	232	304	411	
Pressure control	Maijike							
Protection switch	Maijike							
Pressure gauge	Factory customization							
Electronic drain valve	Factory customization							
Chassis	Factory customization							
Filter	Factory customization							
Heat exchanger	Factory customization							
Evaporator	Factory customization							
Cooling fan	Factory customization							
King pressure	Bar	2-10						
Pressure dew point	°C	2-10						
Power supply	220V/50HZ/1P							
Power of compressor	KW	0.5	0.7	0.9	1	1.6	2	
Power of fan	W	80	95	120	240	300	380	
Refrigerant		R134A	R134A	R22	R22	R22	R22	
Diameter of inlet / Out let		ZG1"	ZG1"	ZG1.5"	ZG1.5"	ZG2"	ZG2.5"	
	L	mm	665	750	800	923	995	1125
Dimensions	W	mm	425	420	440	500	585	625
	H	mm	560	730	800	910	1080	1045
Weight	KG	37	45	60	80	90	120	

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，稳定气压缓冲冲击力，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 (m³) 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 m³/min	Air inlet and outlet caliber	Drainage aperture	Height (mm)	Width (mm)
015 small	015QPS	1.5m³ / min	G (3/4)	12.7 mm	240	85
015 small	015QPS	1.5m³ / min	G 1	12.7 mm	245	85
015 large	015QPS	1.5m³ / min	G 3/4	12.7 mm	265	85
015 large	015QPS	1.5m³ / min	G 1	12.7 mm	268	85
024	024QPS	2.5m³ / min	G 1 1/2	12.7 mm	310	105
035	035QPS	3.5m³ / min	G 1 1/2	12.7 mm	310	105
060	060QPS	6.0m³ / min	G 1 1/2	12.7 mm	448	105
010	001CTA	10m³ / 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 m³/min	Air inlet and outlet caliber	Drainage aperture	Height (mm)	Width (mm)
001	001CTA	1.5m³ / min	33.33 mm G 1	12.7 mm	290	105
002	002CTA	2.5m³ / min	33.33 mm G 1	12.7 mm	290	105
004	004CTA	3.5m³ / min	50mm G 1 1/2	12.7 mm	360	125
007	007CTA	6.0m³ / min	50mm G 1 1/2	12.7 mm	495	125
010	010CTA	12m³ / min	66.7mm G 1 1/2	12.7 mm	625	135
013	013CTA	14m³ / 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.