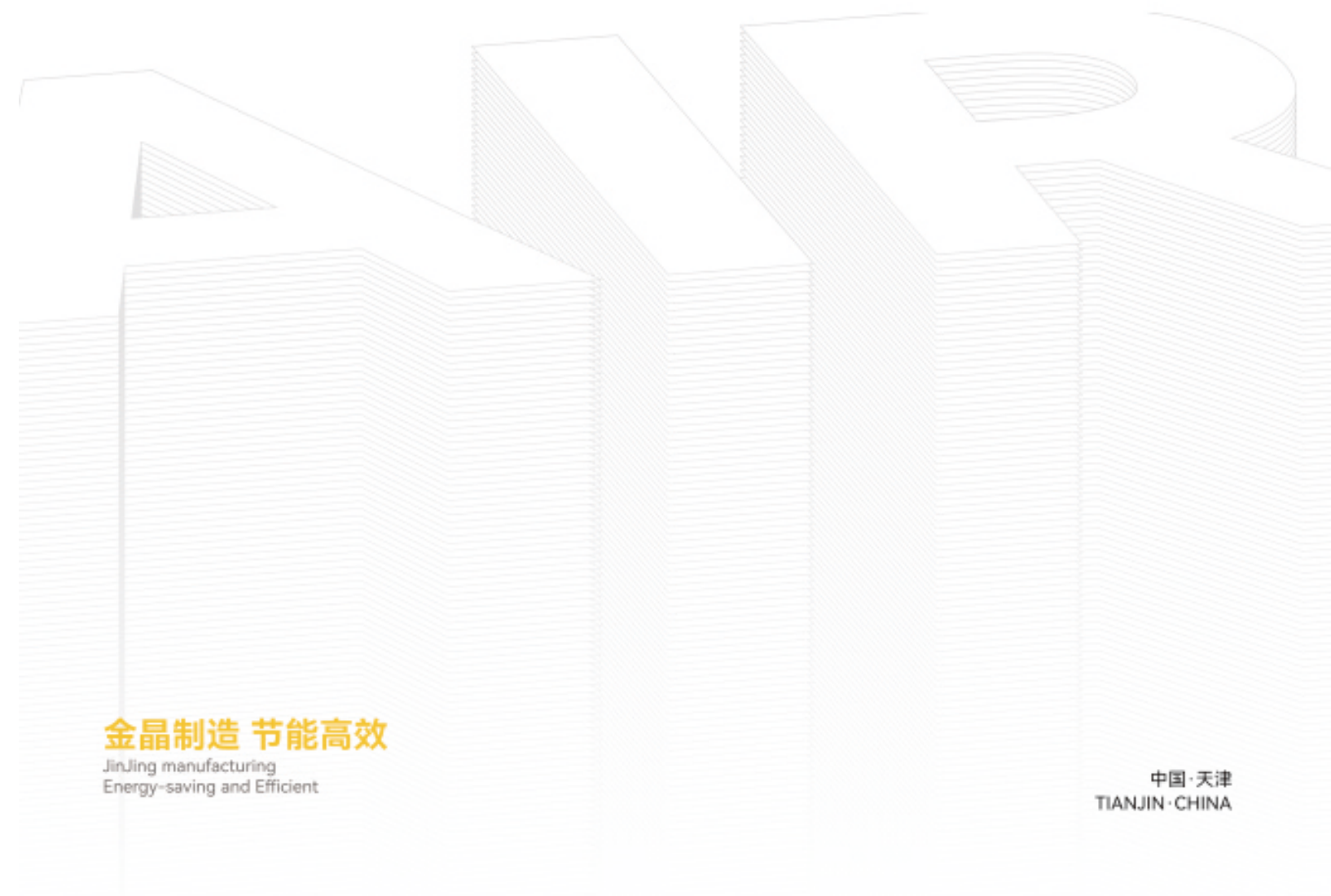


无油空气压缩机

OIL-FREE AIR
COMPRESSOR



天津市金晶气体压缩机制造有限公司
TIANJIN JINJING GAS COMPRESSOR MANUFACTURING CO., LTD.

天津市西青区张家窝镇安泽道2号A区

022-2798 4596 022-2736 0004

<http://www.tjjinjing.com>

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金晶制造 节能高效

JinJing manufacturing
Energy-saving and Efficient

中国·天津
TIANJIN·CHINA

矢志不渝做好人、持之以恒办好事、锲而不舍搞好产品！
这是我们从始至终都要走的路。

董事长
王谷峰

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Company Profile

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荣誉资质
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无油螺杆压缩机
Oil Free Screw Compressor

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无油鼓风机
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离心式空压机
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产品全览
Product Overview

AIR JINJING

1 公司简介

Company Profile

ABOUT JINJING 关于金晶



2005^年

创立时间
Establishment

20⁺

研发专利
R&D patent

天津市金晶气体压缩机制造有限公司是一家集空气压缩机研发、制造、销售、服务于一体的高新技术企业。公司成立于2005年，生产基地坐落于天津西青工业区，生产基地实行6S管理，为现代化的智慧工厂，并通过了ISO9001质量管理体系和ISO14000环境管理体系认证，也先后取得了企业标准“领跑者”证书、国家高新技术企业证书、专精特新企业证书、机电安装二级资质证书、产品质量安全认证证书、欧盟CE、GC节能等各项认证。同时，公司同地方高校建立了国家级能效实验室，协助产品研发，全线产品均可超越国家1级能效标准，并拥有20余项空压机产品的自主研发专利。另外，公司在全国各省市均设有30多家服务网点，能为用户提供及时、专业、周到的销售和服务支持，让服务更有保障。

公司专业生产各类压缩机产品，涵盖普通微油螺杆空压机；节能微油螺杆空压机（永磁变频螺杆空压机、低压节能螺杆空压机、双级压缩螺杆空压机）；无油空压机（水润滑无油空压机、干式无油空压机、离心式空压机、无油磁悬浮鼓风机、无油螺杆鼓风机）；定制撬装式空压机组等三大类。

公司现有员工750余人，拥有技术研发中心，主机加工中心，整机制造中心，能效检测中心，销售中心，售后服务中心，体系完善，管理先进，拥有年产约7000台的生产能力。同时，公司秉承闭环式管理，从设计、原材料采购、供应商评审、主机制造、整机生产检测、售后反馈、质保跟踪等各个环节层层把控，严格管理。秉承品质就是企业的生命的原则，保证出厂的每一台设备都是优品。



7000^台

年产量
Annual output

30^{多家}

服务网点
Service node

Tianjin Jinjing Gas Compressor Manufacturing Co., Ltd. is a high-tech enterprise integrating the R&D, manufacturing, sales and service of air compressors. Established in 2005, its production base is situated in Xiqing Industrial Zone, Tianjin. The production base adopts 6S management and is a modern intelligent factory. It has passed the ISO9001 quality management system and ISO14000 environmental management system certifications, and has successively obtained the "Pacemaker" certificate of enterprise standards, the certificate of national high-tech enterprise, the certificate of specialized, refined, distinctive and innovative enterprise, the second-level qualification certificate of mechanical and electrical installation, the product quality and safety certification certificate, the EU CE, GC energy-saving and other certifications. Meanwhile, the company has established a national energy efficiency laboratory in collaboration with local universities to assist in product R&D. All its product lines can exceed the national first-level energy efficiency standard and possess over 20 independent R&D patents for air compressor products. Additionally, the company has over 30 service outlets in various provinces and cities across the country, capable of providing users with timely, professional and considerate sales and service support, ensuring more reliable services.

The company specializes in the production of various types of compressor products, including standard micro-oil screw air compressor; Energy-saving micro-oil screw air compressor (permanent magnet variable frequency screw air compressor, low pressure energy-saving screw air compressor, two-stage compression screw air compressor); Oil-free air compressor (water-lubricated oil-free air compressor, dry oil-free air compressor, centrifugal air compressor, oil-free magnetic suspension blower, oil-free screw blower); Customized skid-mounted air compressor units and other categories.

The company currently has over 750 employees and possesses a technical R&D center, a mainframe processing center, a complete machine manufacturing center, an energy efficiency testing center, a sales center, an after-sales service center. The system is complete and the management is advanced, with an annual production capacity of about 7,000 units. At the same time, the company adheres to closed-loop management, strictly controlling and managing every link from design, raw material procurement, supplier evaluation, mainframe manufacturing, complete machine production and testing, after-sales feedback to quality guarantee tracking. Upholding the principle that quality is the life of the enterprise, it guarantees that every piece of equipment leaving the factory is of superior quality.

2 荣誉资质 Honor And Qualification



COOPERATION CASE 合作案例



● 汽车行业合作使用



● 钢铁行业合作使用



● 燃气行业合作使用



● 纺织行业合作使用

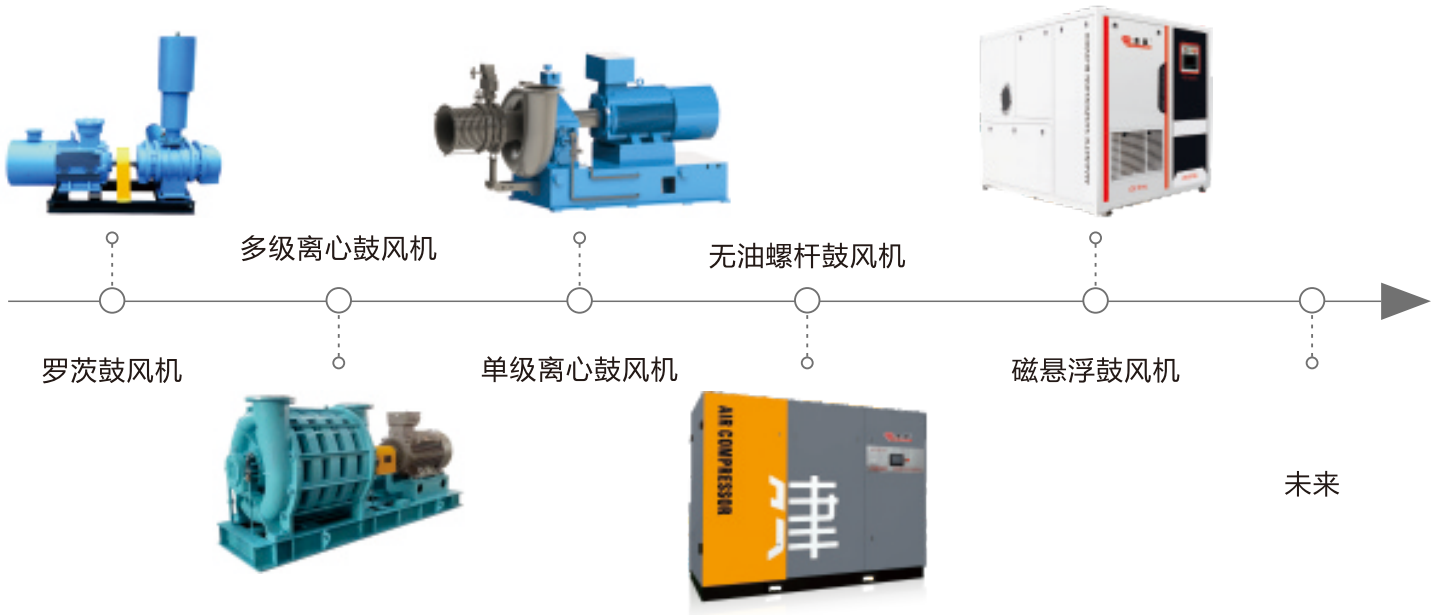


● 矿业行业合作使用

产品变革
Product Revolution

节能趋势向上

罗茨鼓风机到磁悬浮鼓风机不断更新迭代，
只为成就您工业的最优“呼吸”之选。



传统鼓风机	金晶磁悬浮鼓风机
1. 通常采用低速电机、增速齿轮箱、滚动或滑动机械轴承等部件，结构复杂。 2. 由于机械摩擦和无用功的消耗，能耗较高。 3. 运行时噪音较大，振动明显。需要定期润滑、更换轴承等部件，维护成本较高。 4. 控制精度较低，通常不具备远程监控和智能调控功能。	1. 利用磁悬浮技术，实现转子悬浮，无需机械轴承，结构简化。 2. 无接触运行，消除了传动损失，能耗降低高达37%，效率更高。 3. 噪音低，振动小，一般噪音在80分贝以下。 4. 维护简便，寿命长达15-20年，期间免设备维护，仅需更换过滤器。 5. 采用PLC+GPRS/3G/4G技术，可实时监控运行状态，实现智能调控。

无油空气
压缩机系列

OIL-FREE AIR
COMPRESSOR SERIES

-  节能
ENERGY
CONSERVATION
-  环保
ENVIRONMENTAL
PROTECTION
-  品质
QUALITY
-  创新
INNOVATE



3 无油螺杆压缩机

Oil Free Screw Compressor

01 防漏油的传动轴、密封

金晶为无油螺杆压缩机设计的螺旋密封，可以让油在内部螺旋槽积极进行推压。同时空气密封以及螺旋密封的合理组合，可防止油侵入压缩室。

Jinjing's screw seal for oil-free screw compressors, the oil can be actively pushed in the internal spiral groove. at the same time, the reasonable combination of air seal and spiral seal, prevents oil from invading the compression chamber.

02 轴承、同步齿轮

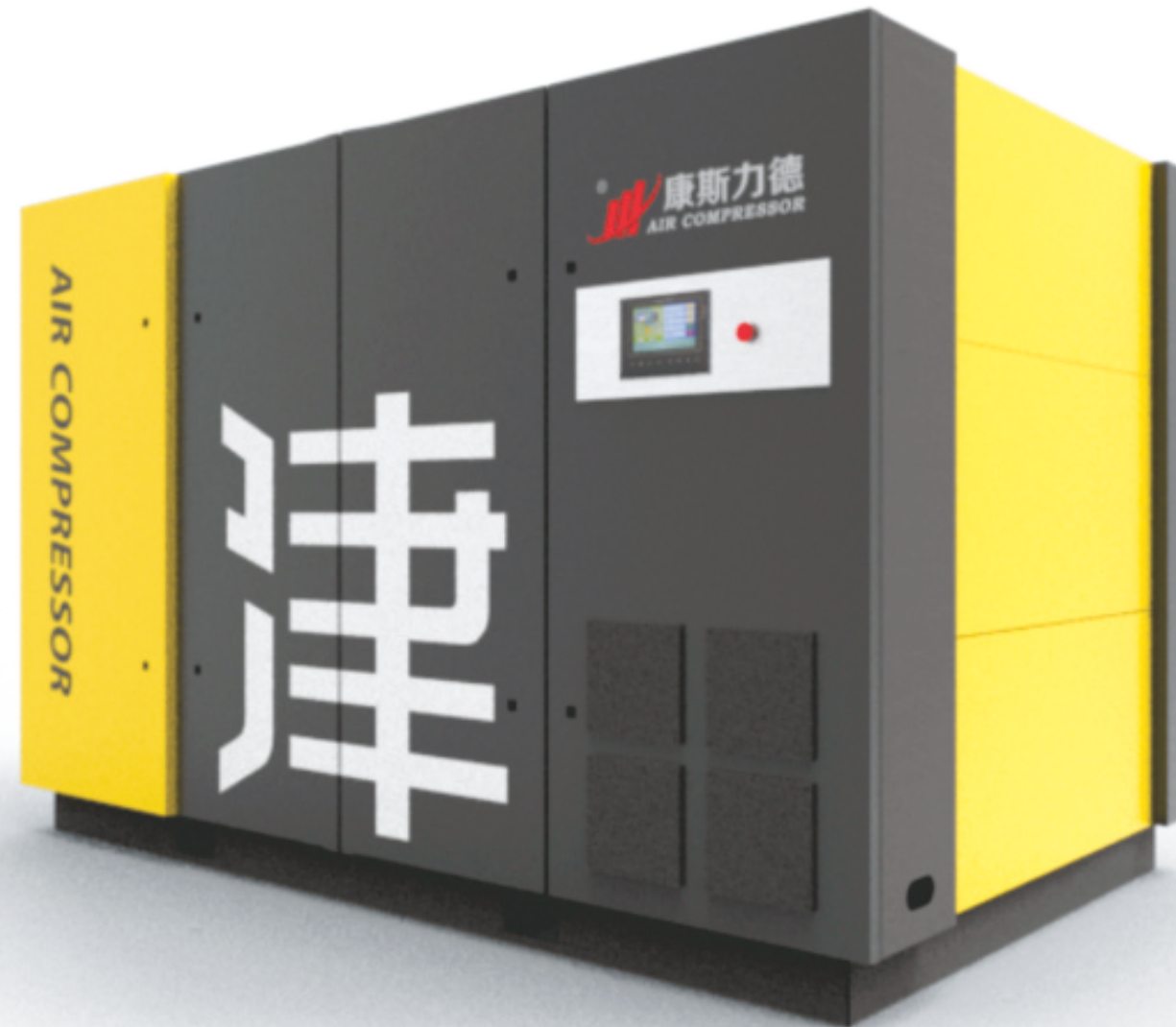
使用专用的球轴承和滚柱轴承，并采取喷射供油进行润滑。另外，通过精密加工制造的同步齿轮确保转子维持最适间隙。

Use dedicated ball bearings and roller bearings and take the jet supply oil for lubrication. In addition, it is manufactured by precision machining synchronous gear ensures optimal rotor clearance.

03 不锈钢制转子

在采用耐腐蚀性与耐久性优秀的特殊不锈钢作为转子材料的同时，还对转子的齿面进行高精度研磨加工。并为进一步减少内部泄漏，在考虑运行中产生的热膨胀的前提下，实施了镜面加工，以确保转子间的最适间隙。

In the use of corrosion resistance and excellent durability of special stainless steel as a rotor material, the tooth surface of the rotor is also carried out high precision grinding. and to further reduce internal leakage leakage, taking into account the thermal expansion generated during operation, mirror finish was implemented to ensure optimum clearance between rotors.



04 高性能转子型线

转子由于接触高达200℃以上的高温排气，而导致大幅度热膨胀。金晶通过事先对热膨胀进行预估，采用独自の三维修正技术完善型线，确保运转中的转子维持最适间隙。

The rotor is exposed to high temperature exhaust up to 200°C or more large thermal expansion. by predicting thermal expansion in advance, use a separate 3D correction technology to improve the profile line and ensure operation the rotor maintains optimum clearance.

05 充实的IT通讯功能

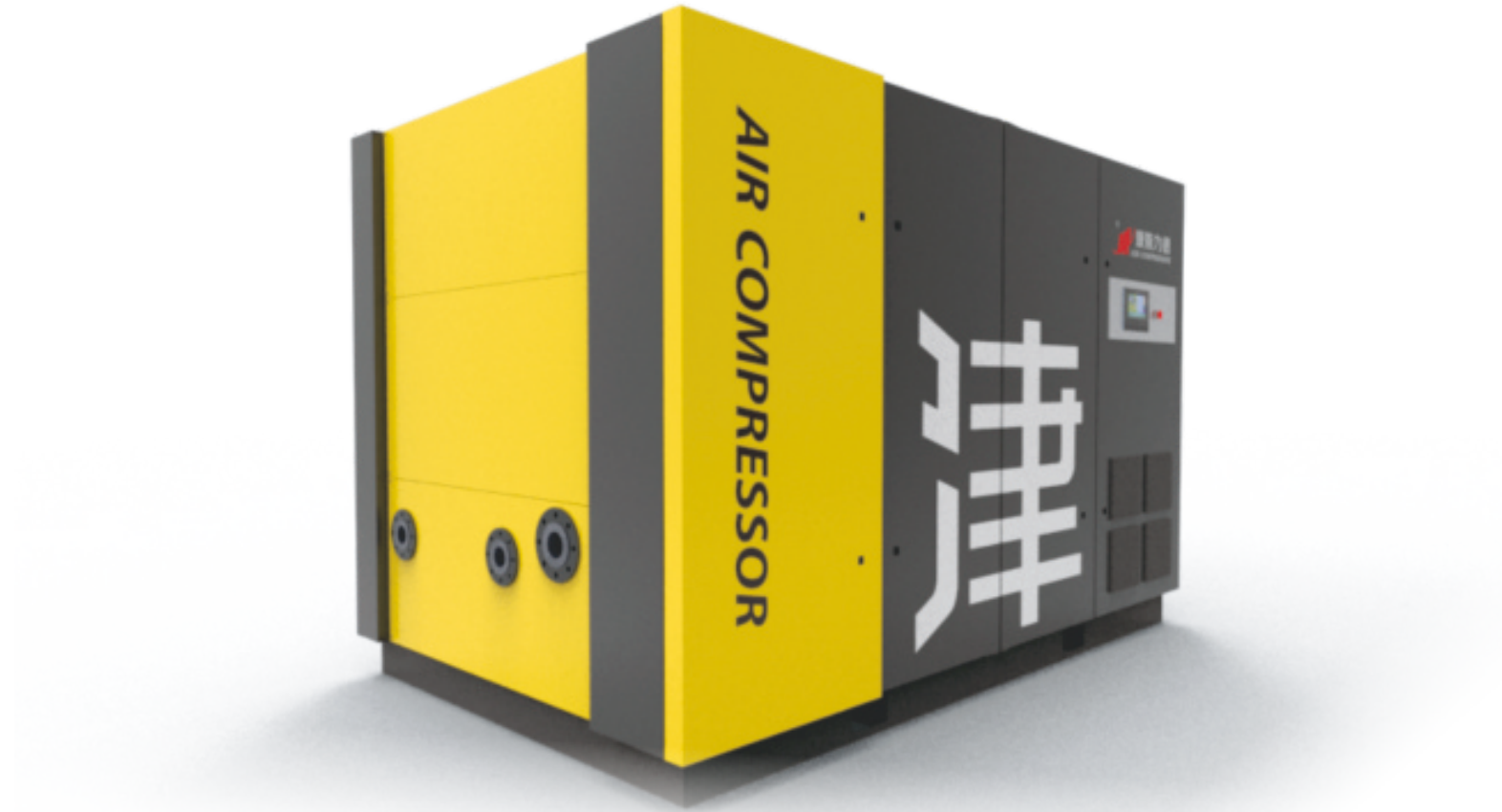
数据可记录到USB存储器上。
请客户自行准备5.5CM以下的USB存储器。
每天的运行数据约为400KB(参考值)。

Data can be recorded to USB memory.
Please prepare a USB memory smaller than 5.5CM.
The daily running data is about 400KB(reference value).

06 显示屏

装配大型LCD显示屏，提高了用户界面的简易性。金晶采用了大型LCD显示屏，从而使压缩机的运行状态以及各种设定一目了然。各种功能的设定均可在面板上通运简易操作而实现，大大提高了用户的使用便利性。并且万一发生故障之时，显示屏会显示故障内容，方便于迅速地排除故障。

The large LCD display improves the simplicity of the user interface. Jinjing uses a large LCD display to enable the operation of the compressor the status and various settings are clear at a glance. various functions can be set the simple operation and realization of the transportation on the panel greatly improve the user's ease of use. and in case of failure, the display will display show the fault content, convenient for quick troubleshooting.



干式无油螺杆压缩机工频机组系列

Dry Oil-free Screw Compressor Frequency Unit Series

- 高度集成化系统设计：冷热分区设计、保证各模块的稳定运行占地空间小、便于安装摆放应用不同行业的定制化解决方案。
Highly integrated system design: hot and cold zone design to ensure each module stable operation occupies a small space, easy to install and place applications in different industries customized solutions.

● 稳定的润滑系统：独立油泵设计，机头夹套油冷循环，8000H超长寿命润滑油。
Stable lubrication system: independent oil pump design, head jacket oil cooling cycle, 8000H long life lubricating oil.

● 高效的冷却系统：水冷机型不锈钢材质冷却器，适应不同地区水质条件风冷机型铝合金板翅式冷却器，热膨胀系数小，大规格，高性能的冷却器，冷却性能好。
Efficient cooling system: water-cooled models stainless steel cooler, adaptable water quality conditions in different regions air cooled aluminum alloy plate fin cooler, hot small expansion coefficient, large size, high performance cooler, good cooling performance.

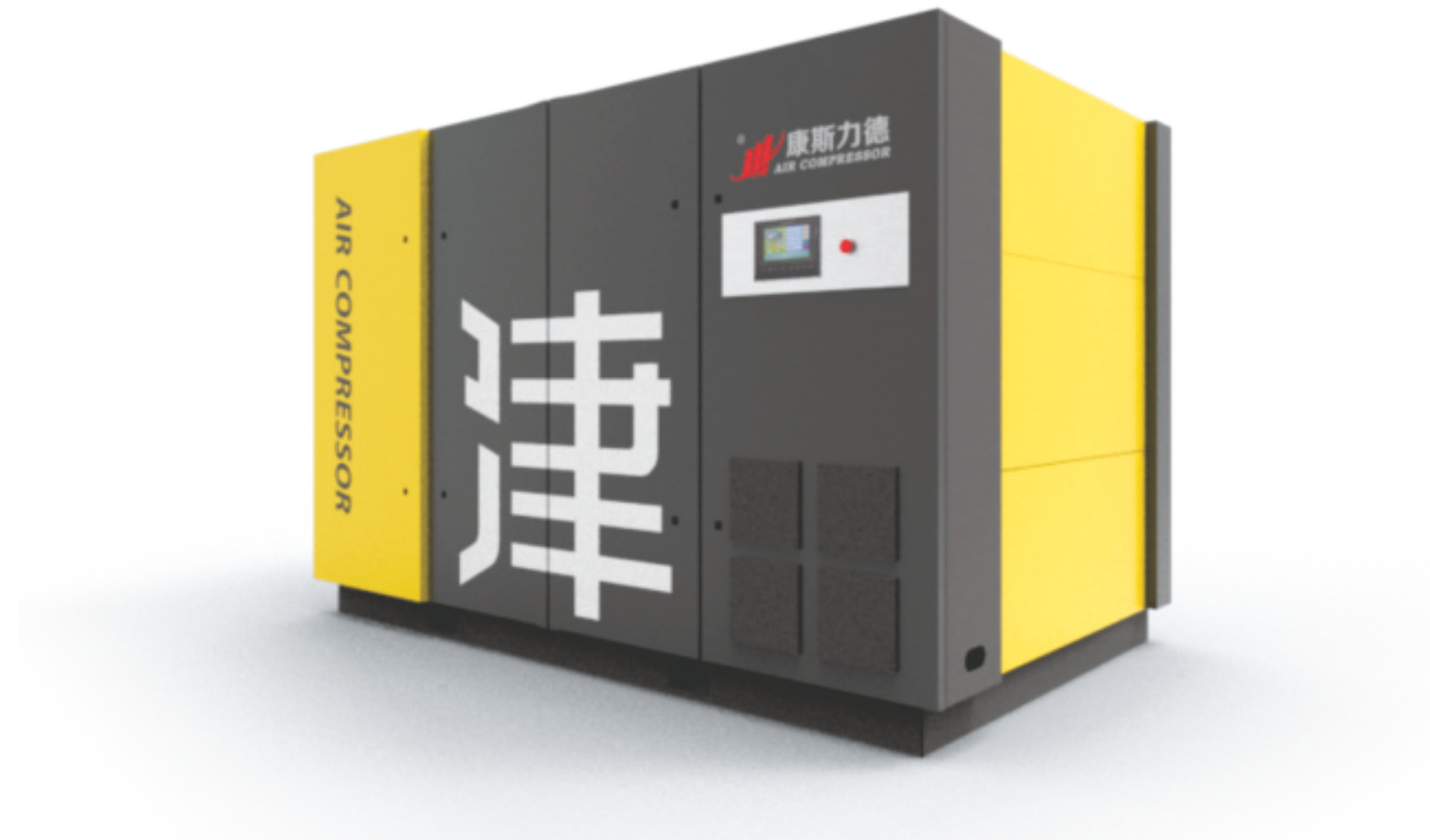
● 业内领先的无油压缩机头：独特的专利型线设计，业内领先的压缩效率。三道无油防护，保障机器100%无油（Class 0认证）。复合超级涂层，优秀的防腐性能及耐高温（270°高温耐受）。
Industry-leading oil-free compressor head: Unique patented profile design for industry-leading compression efficiency. three oil free protection to ensure 100% oil free machine (Class 0 certification). composite super coating, excellent corrosion resistance and high temperature resistance (270° high temperature resistance).

干式无油螺杆压缩机工频机组技术参数

测试工况条件 Determination Condition:
电源：380V/50Hz | 启动方式：星三角/变频启动 | 环境温度：-10℃~40℃ | 冷却方式：风冷 | 海拔高度：1000米以下
如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

型 号 Model	功率 (kw) Power	流量 (m³/min) Flow Volume			噪音 (db) Noise	重量 (kg) Weight	
		7.0bar	8.0bar	10bar		水冷机 Water Cooler	风冷机 Air Cooler
TK-OFA15	15	2.4	2.1	1.8	74	-	1030
TK-OFA22	22	3.7	3.2	2.7	74	-	1070
TK-OFA30	30	4.8	4.4	4.0	74	-	1300
TK-OFA37	37	5.9	5.3	5.0	74	-	1355
TK-OFA45	45	7.0	6.5	6.1	74	-	1390
TK-OFA55	55	9.2	7.9	7.3	74	-	1860
TK-OFA75	75	12.2	11.2	10.7	74	-	1935
TK-OFA90	90	14.7	13.5	12.7	74	-	2000
TK-OFA110	110	19.3	17.2	16.0	74	-	3660
TK-OFA132	132	22.9	19.5	18.8	74	-	3700
TK-OFA160	160	29.4	25.7	23.8	74	-	5300
TK-OFA200	200	36.6	33.1	30.4	74	-	5380
TK-OFA250	250	44.5	41.0	37.4	74	-	5450
TK-OFA275	275	47.4	43.0	41.0	74	-	5500
TK-OFA315	315	51.5	47.6	46.0	74	-	6000
TK-OFA355	355	56.3	52.6	50.4	74	-	9050
TK-OFW37	37	5.9	5.3	5.0	74	1355	-
TK-OFW45	45	7.0	6.5	6.1	74	1450	-
TK-OFW55	55	8.8	7.9	7.3	74	1800	-
TK-OFW75	75	11.9	11.2	10.7	74	1850	-
TK-OFW90	90	14.3	13.5	12.7	74	1925	-
TK-OFW110	110	19.1	17.1	16.0	74	2635	-
TK-OFW132	132	21.9	19.6	18.9	74	2760	-
TK-OFW160	160	28.3	26.1	24.2	74	3850	-
TK-OFW200	200	36.1	33.1	30.4	74	4000	-
TK-OFW250	250	43.1	41.0	37.0	74	4100	-
TK-OFW275	275	46.4	43.0	41.0	74	4300	-
TK-OFW315	315	50.9	47.6	46.0	74	6550	-
TK-OFW355	355	56.3	52.6	50.4	74	6950	-
TK-OFW400	400	62.1	57.8	55.8	74	7050	-
TK-OFW450	450	76.5	71.5	63.8	74	8400	-
TK-OFW500	500	83.9	78.3	73.1	74	8400	-
TK-OFW630	630	102.9	95.7	89.0	74	9125	-
TK-OFW750	750	122.8	109.6	101.8	74	9225	-

本公司产品仍在持续研究、优化改进中，各项参数如有变更，恕不另行通知，如需实时数据，请联系我司。
Please be aware that our company's products undergo continuous research, optimization, and improvement processes; hence all parameters may be subject to change without prior notice, For real-time data requirements, please do not hesitate to contact us.



干式无油螺杆压缩机变频机组系列

Dry Oil-free Screw Compressor Frequency Conversion Unit Series

- 高度集成化系统设计：冷热分区设计、保证各模块的稳定运行占地空间小、便于安装摆放应用不同行业的定制化解决方案。

Highly integrated system design: hot and cold zone design to ensure each module stable operation occupies a small space, easy to install and place applications in different industries customized solutions.
- 稳定的润滑系统：独立油泵设计，机头夹套油冷循环，8000H超长寿命润滑油。

Stable lubrication system: independent oil pump design, head jacket oil cooling cycle, 8000H long life lubricating oil.
- 高效的冷却系统：水冷机型不锈钢材质冷却器，适应不同地区水质条件风冷机型铝合金板翅式冷却器，热膨胀系数小，大规格，高性能的冷却器，冷却性能好。

Efficient cooling system: water-cooled models stainless steel cooler, adaptable water quality conditions in different regions air cooled aluminum alloy plate fin cooler, hot small expansion coefficient, large size, high performance cooler, good cooling performance.
- 业内领先的无油压缩机头：独特的专利型线设计，业内领先的压缩效率。三道无油防护，保障机器100%无油（Class 0认证）。复合超级涂层，优秀的防腐性能及耐高温（270°高温耐受）。

Industry-leading oil-free compressor head: Unique patented profile design for industry-leading compression efficiency. three oil free protection to ensure 100% oil free machine (Class 0 certification). composite super coating, excellent corrosion resistance and high temperature resistance (270° high temperature resistance).

干式无油螺杆压缩机变频机组技术参数

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如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

型 号 Model	功率 (kw) Power	流量 (m³/min) Flow Volume	噪音 (db) Noise	重量 (kg) Weight	
		3.5bar~10bar		水冷机 Water Cooler	风冷机 Air Cooler
TK-OFA15VSD	15	1.1~3.3	74	-	930
TK-OFA22VSD	22	4.5~5.6	74	-	1150
TK-OFA30VSD	30	4.0~6.6	74	-	1300
TK-OFA37VSD	37	5.0~8.4	74	-	1600
TK-OFA45VSD	45	6.1~11.1	74	-	1750
TK-OFA55VSD	55	7.3~9.4	74	-	1900
TK-OFA75VSD	75	10.7~12.4	74	-	2630
TK-OFA90VSD	90	12.7~15.4	74	-	2700
TK-OFA110VSD	110	16.0~19.5	74	-	3750
TK-OFA132VSD	132	18.8~21.8	74	-	4300
TK-OFA160VSD	160	24.0~29.6	74	-	4700
TK-OFA200VSD	200	12.2~36.6	74	-	5600
TK-OFA250VSD	250	14.2~41.8	74	-	5850
TK-OFA275VSD	275	15.8~47.4	74	-	6350
TK-OFA315VSD	315	45.0~52.1	74	-	6750
TK-OFA355VSD	355	50.4~57.5	74	-	6950
TK-OFW37VSD	37	2.0~5.9	74	1750	-
TK-OFW45VSD	45	2.3~7.0	74	1950	-
TK-OFW55VSD	55	4.5~8.8	74	2080	-
TK-OFW75VSD	75	4.5~13.2	74	2170	-
TK-OFW90VSD	90	4.5~15.5	74	2220	-
TK-OFW110VSD	110	6.4~19.1	74	2700	-
TK-OFW132VSD	132	7.7~22.4	74	3500	-
TK-OFW160VSD	160	14.5~42.9	74	3750	-
TK-OFW200VSD	200	15.2~36.1	74	4150	-
TK-OFW250VSD	250	16.3~43.5	74	4850	-
TK-OFW275VSD	275	16.3~46.4	74	5400	-
TK-OFW315VSD	315	17.6~50.9	74	6650	-
TK-OFW355VSD	355	18.9~56.3	74	6950	-
TK-OFW400VSD	400	19.3~62.1	74	7060	-
TK-OFW450VSD	450	25.7~76.5	74	8400	-
TK-OFW500VSD	500	28.5~83.9	74	8400	-
TK-OFW630VSD	630	33.6~102.9	74	9125	-
TK-OFW750VSD	750	42.4~122.8	74	9125	-

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水润滑无油螺杆压缩机系列

Water Lubricated Oil-free Screw Compressor Series

- 零排放：**产品润滑剂为水，水作为一种资源丰富、低成本、无污染的润滑介质。机器运行无任何“三废”排放。

Zero discharge: The product lubricant is water, water as a resource-rich, low-cost, pollution-free lubrication medium. Machine operation without any "three wastes" emissions.
- 干燥空气：**水和空气可轻易分离，压缩空气露点低。

Dry air: Water and air can be easily separated, compressed air dew point is low.
- 高效率：**水的比热大，工作过程近似等温压缩。

High efficiency: the specific heat of water is large, and the working process almost seems to be isothermal compression.
- 保养维护：**空气过滤芯、水过滤芯、软化水树脂滤芯。

Maintenance: air filter, water filter, softened water resin filter.

水润滑无油螺杆压缩机系列技术参数

测试工况条件 Determination Condition:
电源：380V/50Hz | 启动方式：星三角/变频启动 | 环境温度：-10℃~40℃ | 冷却方式：风冷 | 海拔高度：1000米以下
如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

型 号 Model	流量（ m ³ /min ） Flow Volume			电机功率 （ kW ） Motor power	润滑水量 （ L ） Lubricating water quantity	供气口径 （ inch ） Air supply diameter	噪音 dB(A) Noise	外形尺寸 (LxWxH mm) Dimensions	重量 （ kg ） Weight
	0.7Mpa	0.8Mpa	1.0Mpa						
JJWL08F	1.3	1.1	0.9	7.5	20	3/4"	57	1100x750x1320	430
JJWL11F	1.7	1.5	1.3	11	20	3/4"	57	1100x750x1320	450
JJWL15F/S	2.5	2.2	2.0	15	25	1"	57	1590x870x1500	570
JJWL18F/S	3.2	2.8	2.5	18.5	30	1"	58	1590x870x1500	620
JJWL22F/S	3.7	3.4	3.0	22	30	1"	60	1590x870x1500	640
JJWL30F/S	5.3	4.7	4.3	30	40	1 1/2"	61	F:1690x1000x1600 S:1590x950x1500	980
JJWL37F/S	6.2	5.6	5.0	37	60	1 1/2"	61	F:1690x1000x1600 S:1590x950x1500	1010
JJWL45F/S	7.6	6.8	6.0	45	60	1 1/2"	65	F:2000x1300x1650 S:1590x950x1500	1110
JJWL55F/S	10.0	9.0	7.8	55	80	2"	67	F:2450x1550x1850 S:2100x1250x1500	1500 1200
JJWL75F/S	13.0	12.0	10.0	75	100	2"	71	F:2700x1650x2020 S:2100x1250x1500	2000 1550
JJWL90F/S	16.8	15.0	14.0	90	100	2 1/2"	72	F:3100x1600x2100 S:2450x1450x1700	2600 2250
JJWL110F/S	20.0	18.5	16.0	110	120	3"	74	F:3500x2000x2100 S:2450x1450x1700	2800 2450
JJWL132F/S	25.0	23.0	20.0	132	120	3"	77	F:4000x2000x2350 S:2450x1450x1700	4100 2450
JJWL160F/S	27.0	25.5	24.0	160	150	3"	78	F:4000x2000x2350 S:2800x1500x1900	4500 2600
JJWL185S	33.8	31.0	28.8	185	150	3"	78	2800x1500x1900	3000
JJWL250S	43.0	41.0	38.8	250	200	4"	79	3600x1700x2030	4500

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4

无油鼓风机

Oil-free Blower

01

智能控制系统

1. 直观显示：运行状态，运行数据，故障报警等；

2. 在线监控，压力、功率、温度波动；

3. 故障实时监测及报警记录功能，定时开关机等。
1. Visual display: operating status, operating data, Fault alarm, etc.;

2. Online monitoring, pressure, power, temperature fluctuations;

3. Fault real-time monitoring and alarm recording function, fixed Switch on and off, etc.

02

整体管路系统

1. 结构简单，避免老化漏油等现象；

2. 精拔管内外光洁度高，管路压力损失小；

3. 采用不锈钢精拔管永久不会生锈，整体美观。
1. Simple structure, avoid aging oil leakage and other phenomena;

2. High internal and external finish, low pressure loss;

3. The stainless steel fine drawing pipe will never rust, and the overall appearance is beautiful.

03

永磁/高效变频电机

1. 平均提升效率7%；

2. 消除空载；

3. 消除过剩压力；

4. 无数次启停，变频时还能保持高效率；

5. 电机效率为一级能效。
1. Increase efficiency by 7% on average;

2. Eliminate no-load;

3. Eliminate excess stress;

4. Countless start-stop, frequency conversion can maintain high efficiency;

5. The motor efficiency is a level of energy efficiency.

04

环境温度设计及测试标准：
高于国际标准12℃

1. 行业国际设计标准40℃，而我们严格按照52℃标准设计；

2. 按照52℃高温测试标准合格方可出厂。
1. The international design standard of the industry is 40℃, and we strictly design according to 52℃ standard;

2. According to 52℃ high temperature test standard before delivery.

05

定制双重进气过滤及保证外部进气

1. 外置进气滤网：过滤粉尘棉絮，可水洗，避免杂质进入机体内；

2. 空压机空滤采用卧式空滤进气，过滤精度达到1μm；

3. 两层过滤可以很好的保护空压机主机及润滑油的使用，降低电器部分故障率；

4. 空滤进气口装有导流装置，保证外部进气温度低，整机效率提升5%。
1. External air intake filter: filter dust wadding, can be washed to avoid impurities into the body;

2. The air filter of the air compressor adopts horizontal air filter intake, and the filtration accuracy is 1μm;

3. Two layers of filtration can well protect the use of air compressor and lubricating oil, reduce the failure rate of electrical parts;

4. The air filter inlet is equipped with a diversion device to ensure that the external intake temperature is low and the efficiency of the whole machine is increased by 5%.

06

定制无油螺杆鼓风机主机

- 采用专为鼓风机设计的无油双螺杆主机，先进的涂层技术，使得转子间隙更小，提高了容积效率的同时，也有有效的保护了转子，寿命更长；

独特的润滑和排油通道，保障轴承和齿轮得到良好的润滑和冷却，同时提升主机效率。
- Oil-free twin-screw main engine designed for blowers, advanced coating The layer technology makes the rotor clearance smaller and improves the volume efficiency When, also effectively protect the rotor, longer life;

Unique lubrication and oil discharge channels ensure good bearing and gear Lubricate and cool the engine while improving engine efficiency.

07

定制大冷却系统

1. 加大散热器面积，表面防锈防腐图层，易清理寿命长，散热恒温效果好；

2. 油温低，避免油路结胶积碳、高温现象；

3. 机组运行平稳寿命增长，避免高温停机现象。
1. Increase the area of the radiator, anti-rust layer on the surface, easy to clean Long life, good heat dissipation and constant temperature effect;

2. Low oil temperature, to avoid the oil line gumming carbon deposition, high temperature phenomenon;

3. The unit runs smoothly and life increases to avoid high temperature shutdown.



无油螺杆鼓风机系列技术参数

测试工况条件 Determination Condition:
电源：380V/50Hz | 启动方式：星三角/变频启动 | 环境温度：-10℃~40℃ | 冷却方式：风冷 | 海拔高度：1000米以下
如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

型 号 Model	功率(kw) Power	流量 (m³/min) Flow Volume							接口尺寸 Connector Size	外形尺寸 (LxWxH mm) Dimensions	重量(kg) Weight
		0.4Mpa	0.6Mpa	0.8Mpa	1.0Mpa	1.2Mpa	1.5Mpa	1.8Mpa			
JJG-15	15	11.9	9.8	8.6	6.7	6.0			DN150	2270x1350x1670	1200
JJG-20	22	25.0	18.0	16.5					DN150	2270x1350x1670	1200
JJG-30	30	31.5	26.0	22.5	16.5				DN150	2270x1350x1670	1300
JJG-37	37	40.0	32.0	26.5	23.5	19.0	16.0		DN150	2270x1350x1670	1400
JJG-45	45	48.5	37.0	31.5	25.5	23.8	20.5		DN200	3000x1650x2150	2800
JJG-55	55	60.0	51.5	40.0	34.0	30.5	25.5		DN200	3000x1650x2150	2800
JJG-75	75	78.0	67.0	56.0	50.0	42.0	32.0		DN300	3150x1850x2300	4000
JJG-90	90	95.0	78.0	67.0	58.0	50.0	43.0		DN300	3150x1850x2300	4100
JJG-110	110	108.0	100.0	83.0	77.0	61.5	50.0		DN300	3150x1850x2300	4300
JJG-132	132			100.0	89.0	76.0	60.0		DN300	3150x1850x2300	4500
JJG-160	160				100.0	98.0	76.0		DN300	3150x1850x2300	4800
JJG-185	185						88.0		DN300	3150x1850x2300	5000
JJG-200	200							98.0	DN300	3150x1850x2300	5200

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无油螺杆鼓风机系列

Oil-free Screw Blower Series

- 无需润滑油，避免了油污染。
No lubricating oil is needed to avoid oil contamination.
- 螺杆设计保证了气体压缩的稳定性和高效性。
The screw design ensures the stability and efficiency of gas compression.
- 噪音低，运行平稳，适合多种环境。
Low noise, smooth operation, suitable for a variety of environments.
- 维护简便，使用寿命长。
Easy maintenance, long service life.
- PAGE 21

AIR JINJING
- PAGE 22

AIR JINJING

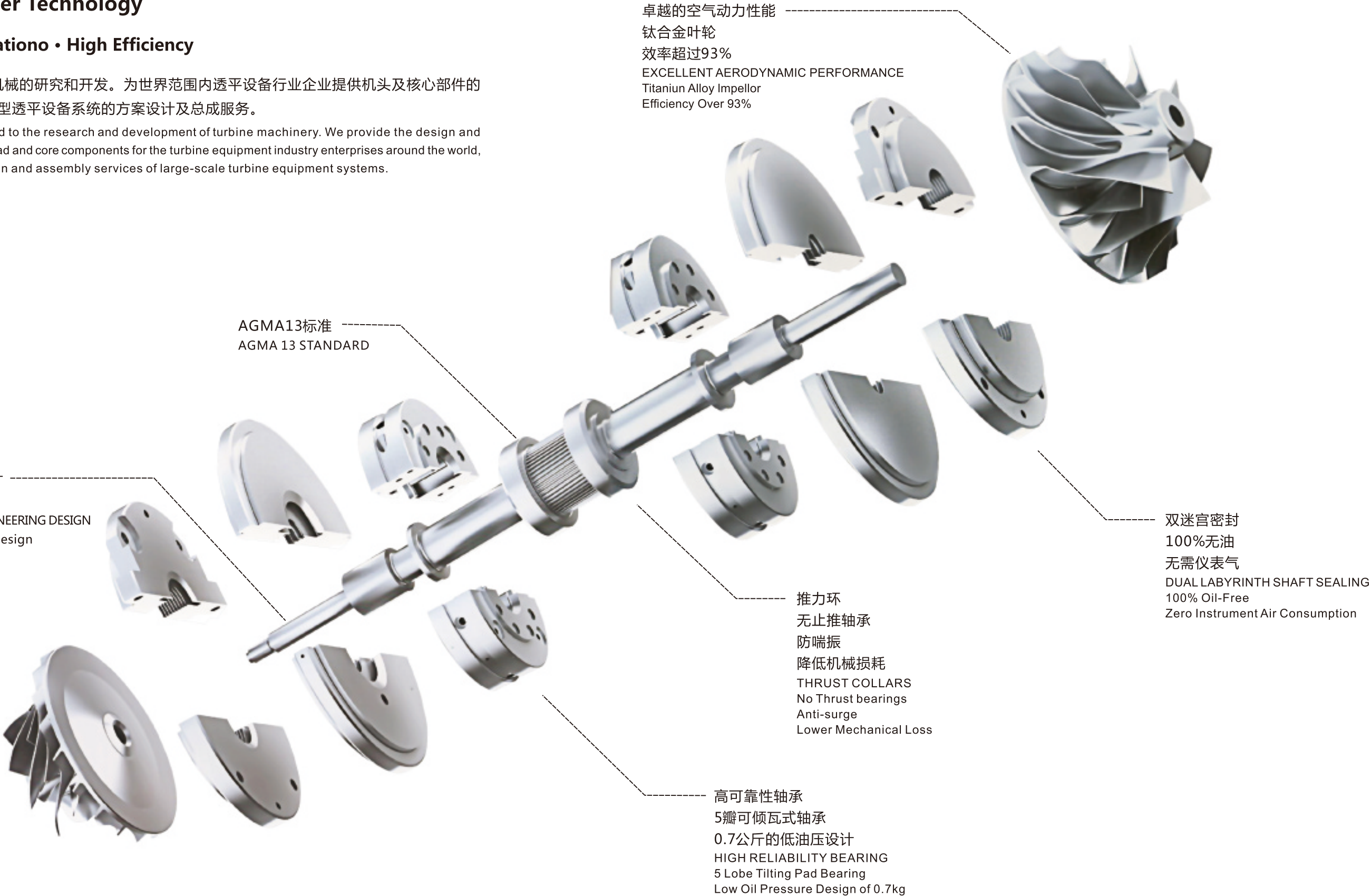
离心式鼓风机技术

Centrifugal Blower Technology

创新·高效 | Innovationo • High Efficiency

金晶公司致力于透平机械的研究和开发。为世界范围内透平设备行业企业提供机头及核心部件的设计和 optimization 服务,并提供大型透平设备系统的方案设计及总成服务。

Jinjing Company is committed to the research and development of turbine machinery. We provide the design and optimization services of the head and core components for the turbine equipment industry enterprises around the world, and provide the scheme design and assembly services of large-scale turbine equipment systems.



无油磁悬浮离心鼓风机

Oil-free Magnetic Levitation Centrifugal Blower

01 磁悬浮轴承

1. 采用5轴自由度主动磁悬浮轴承技术。
2. 利用电磁力实现转子悬浮，无接触、无摩擦、无需润滑、寿命长。

1. Adopt 5-axis freedom active magnetic bearing technology.
2. Using electromagnetic force to achieve rotor suspension, no contact, no friction, no lubrication, long life.

02 三元流叶轮

1. 采用高强度合金材质，抗变形能力强。
2. 三元流理论设计，使叶轮效率最大化，多变效率可达92%以上。
3. 经五轴数控中心高速加工成型或精密铸造成型，精密度 $1\mu\text{m}$ ，耐磨防腐。

1. High strength alloy material, strong deformation resistance.
2. Ternary flow theory design to maximize impeller efficiency, The variable efficiency can reach more than 92%.
3. High-speed machining or precision casting by five-axis CNC center Molded, precision $1\mu\text{m}$, wear resistance and corrosion resistance.

03 磁悬浮控制器

1. 每秒超过10000次的信号采集和实时校正，精确控制转子轴位置，采用自平衡技术，降低振动，位置精度可达 μm 。
2. 针对异常情况提前做出预警，对故障做出报警。

1. More than 10,000 times per second signal acquisition and real-time calibration Positive, precise control of rotor shaft position, using self-balancing technology The vibration is reduced and the position accuracy can reach μm .
2. Make a warning in advance to rectify the fault Call the police.



04 高速永磁同步电机

1. 体积小、功率大、转速高，转速最高可达70000转/分钟。
2. 重量轻、噪音小、效率高，效率最高可达97%以上。

1. Small size, large power, high speed, maximum speed Up to 70,000 RPM.
2. Light weight, low noise, high efficiency, the highest efficiency More than 97%.

05 智能控制触摸屏

根据需求直接在页面进行参数控制。页面美观大方，功能方便易懂。

Parameter control is performed directly on the page according to requirements. page Beautiful and easy to understand function.

06 断电保护

系统意外断电时，通过变频器母线欠压抑制功能维持悬浮系统供电，直至风机停止旋转，以此保护风机不受损坏。

When the system is unexpectedly powered off, the bus bar through the inverter is underdepressed the control function maintains power supply to the suspension system until the fan stops Rotate to protect the fan from damage.

07 节能

集成高速永磁同步电机、高效离心叶轮、空气轴承，并根据负载调节鼓风机运转状态，可较传统风机节能30%~50%。

Integrated high-speed permanent magnet synchronous motor, high efficiency centrifugal impeller, the air bearing adjusts the blower operation according to the load It can save 30%~50% energy than traditional fan.

08 云端智能控制

用户移动端、PC端同时管理，可远程回传所有数据，便于统一管理与分析。

Users can manage the mobile terminal and PC terminal at the same time, and can send back remotely All data, easy to unified management and analysis.



单级--无油磁悬浮离心鼓风机系列

Single Stage - Oil-free Magnetic Levitation Centrifugal Blower Series

- 长寿命：无摩擦，寿命大于20年。
Long life: no friction, more than 20 years of life.

● 体积小：一体化设计，体积仅为传统鼓风机 1/3~1/5，
安装简单，无需地基，直接摆放。
Small size: integrated design, the volume is only 1/3~1/5 of the
traditional blower, simple installation, no foundation, directly placed.
- 无油：采用先进的空气轴承，无摩擦，不需要加油润滑。
Oil-free: The use of advanced air bearings, no friction, no need to lubricate.

● 低噪音：低噪音离心叶轮设计，无机械振动，噪音低于
80 分贝。
Low noise: Low noise centrifugal impeller design, no mechanical
vibration, noise below 80 dB.

单级--无油磁悬浮离心鼓风机系列技术参数

测试工况条件 Determination Condition:
电源：380V/50Hz | 启动方式：星三角/变频启动 | 环境温度：-10℃~40℃ | 冷却方式：风冷 | 海拔高度：1000米以下
如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

型 号 Model	功率(kw) Power	升压(Kpa) Boost	20	25	30	40	50	60	70	80	85	90	100	110	120	130
XV037B40	37	流量(m³/min) Flow Volume		50	48	42	27									
XV037B80	37						37	32.5	27.5							
XV055B80	55						47	43	40	36	30					
XV075B40	75		94	90	87	76										
XV075B80	75						75	70	63	52						
XV090B80	90							71	67	61	55					
XV110B40	110		139	132	120											
XV110B80	110						84	81	75	68	63	57				
XV110B120	110												59	55	50	45
XV150B40	150		220	212	182	143										
XV150B80	150	流量(m³/min) Flow Volume					133	130	121	109	95					
XV150B120	150											90	83	76	68	
XV220B40	220		303	288	250	190										
XV220B80	220						182	178	167	145	125					
XV220B120	220											136	127	120	99	
XV300B80	300					260	250	240	215	185	170					
XV300B120	300											173	161	148	135	
XV350B80	350					301	295	276	240	207						
XV350B100	350									255	247	239	208	179		

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双级--无油磁悬浮离心鼓风机系列

Two-stage - Oil-free Magnetic Levitation Centrifugal Blower Series

- 高效能与节能性：高效率运行、显著降低能耗

High performance and energy saving: High efficiency operation, significantly reduce energy consumption.
- 稳定运行与低维护：无接触设计减少磨损、自动平衡与智能监控

Stable operation and low maintenance: contactless design reduces wear, automatic balancing and intelligent monitoring.
- 噪音控制与环保性：低噪音运行、减少振动与排放

Noise control and environmental protection: Low noise operation, reduced vibration and emissions.
- 应用范围与灵活性：广泛适用于多领域、灵活调节与适应性强

Application range and flexibility: Widely used in many fields, flexible adjustment and strong adaptability

双级--无油磁悬浮离心鼓风机系列技术参数

测试工况条件 Determination Condition:
电源：380V/50Hz | 启动方式：星三角/变频启动 | 环境温度：-10℃~40℃ | 冷却方式：风冷 | 海拔高度：1000米以下
如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

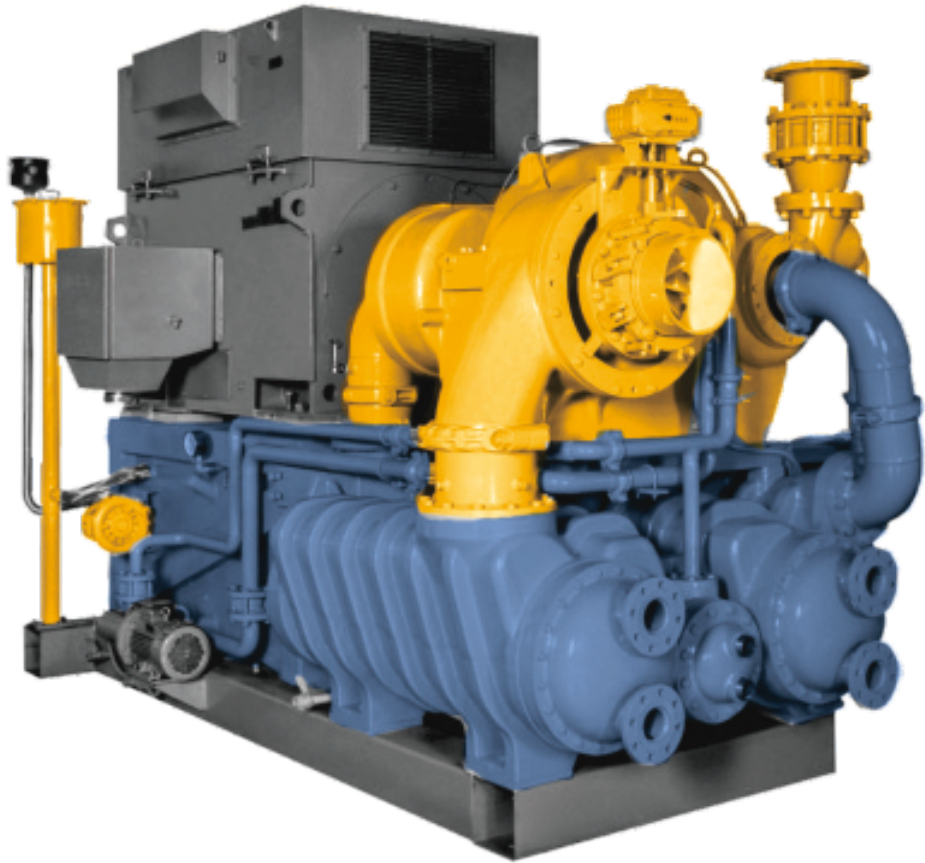
型 号 Model	功率(kW) Power	电压等级(V) Voltage Level	电机转速(rpm) Motor Speed	流量 (m ³ /min) Flow Volume					
				0.2Mpa	0.25Mpa	0.3Mpa	0.35Mpa	0.4Mpa	0.8Mpa
JCXII-110L	110	380	42000	42		32			
JCXII-160L	160	380	42000	60		46			
JCXII-200L	200	380	40000		65		51		
JCXII-250L	250	380	36000	93		72		61	
JCXII-315L	315	380	35000		100		80		
JCXII-360H	360	380	40000						65

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5

离心式空压机

Centrifugal Air Compressor



离心式空压机系列

Oil-free Magnetic Levitation Blower Series

- 排气量大、运转周期长

Large displacement, long operating cycle
- 可靠、安全、环保、节能

Reliable, safe, environmental protection, energy saving
- 无油设计、性能稳定

Oil-free design, stable performance
- 无需特殊基础，无需预埋地脚螺栓

No special foundation, no embedded anchor bolts

离心式空压机系列技术参数

测试工况条件 Determination Condition:
电源：380V/50Hz | 启动方式：星三角/变频启动 | 环境温度：-10℃~40℃ | 冷却方式：风冷 | 海拔高度：1000米以下
如有特殊工况条件，请及时说明 The working conditions that are unique or require special attention should be promptly explained.

型 号 Model	AH系列 AH series	SH系列 SH series	TH系列 TH series	LH系列 LH series
流量范围 Flow range	25-100m³/min	100-240m³/min	200-400m³/min	400-1500m³/min
排气压力 Exhaust pressure	0.08~1.1Mpa(g)	0.08~1.1Mpa(g)	0.08~1.1Mpa(g)	0.08~1.1Mpa(g)
主电机功率 Main motor power	100~600KW	300~1350KW	600~2000KW	1500~6000KW
主机电压 Main motor voltage	380V/3KV/6KV/ 10KV/50Hz/3Ph	380V/3KV/6KV/ 10KV/50Hz/3Ph	3KV/6KV/10KV/ 50Hz/3Ph	3KV/6KV/10KV/ 50Hz/3Ph
基座尺寸 Base size	3400mmX2200mm	4000mmX2300mm	5000mmX2300mm	12000mmX6500mm
重量 Weight	7000Kg-8000Kg	9000Kg-11000Kg	16000Kg-20000Kg	20000Kg-70000Kg

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6 产品全览

Product Overview



单级工频螺杆空压机



双级工频螺杆空压机



激光切割专用空压机



防爆型螺杆空压机



平式无油螺杆空压机



离心式空压机



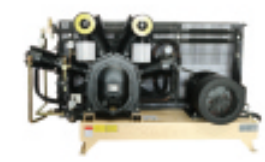
单级永磁变频螺杆空压机



双级永磁变频螺杆空压机



电动移动式螺杆空压机



高压活塞式空压机



无油螺杆鼓风机



水冷却无油螺杆空压机



单级低压机



双级低压机



柴油移动式螺杆空压机



磁悬浮鼓风机

金晶制造 节能高效

JinJing manufacturing Energy-saving and Efficient



SERVICE

服务承诺

天津市金晶气体压缩机制造有限公司坚持“以产品为根、以客户为本”的服务理念，依托办事处和各地合作伙伴为基础，建立起覆盖全国的销售及服务网络，为客户提供优质便捷的销售及售后服务。



专业技术人员提供及时的技术咨询和快捷的本地化服务



对产品全系统提供终身服务，保障生产安全和备件及时供应



制定最佳组合的系统保养方案，快捷解决保养问题，经济节约



定期进行客户回访，为客户提供全方位的系统诊断，预防故障发生