



全无油润滑气体压缩机

Oil-free Gas Compressor



High efficiency Energy saving
Reliability Environmental protection

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本册所含机型型号参数外观如有改动恕不另行通知如有疑问请拨打官方电话咨询!

The models, parameters and appearance of any products contained in this manual are subject to changes without prior notice. In case of any questions, please call the official number.

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Company Profile | 公司简介

上海爱钧实业有限公司，是压缩空气系统方案的核心技术解决商，在产品体系、核心技术和方案解决三大领域拥有成熟运营经验和卓越品牌口碑。

公司综合实力雄厚，厂区位于上海嘉定，占地面积 30000 平方米，具有强大的设备生产能力。在 20 年的运营发展过程中，公司始终秉承“专业、创新、节能、服务”的企业精神，深度践行环保、低碳的战略方针，实现高智能、高效率的空压系统产业链建设。

在压缩空气系统方案领域内，公司强化技术研发、拓展企业实力，匠心开发高压无油和微油螺杆式空气压缩机、离心式空气压缩机、螺杆真空泵等系列节能产品，致力于提供压缩空气整机系统解决方案。

公司技术力量卓越，在“环保战略”的引领下，多年来持续创新。依托中国上海的区域优势，有效打通国际互联网 + 物联网的服务链条，持续开拓国外市场，为客户提供 OEM 及个性化定制服务。公司出品的每一款空压机款式新颖、性能先进、质量保证。

凭借核心的技术力量、完善的国际品牌配套服务、严苛的质量管理体系、卓越的售后服务保障，产品通过欧洲 CE、ISO 等认证，并热销亚、欧、美等 50 余个国家和地区。

以稳健求发展，以创新求壮大，以卓越求未来。公司依托总部设未来，公司将坚守初心、秉承匠心，延续恒心，以“创造优质产品、服务全球客户”的理念为国际客户提供高品质空压产品和高效能的空压系统服务！

Shanghai Kingair Industrial Co., Ltd., is the core technology solution provider for compressed air system solutions, with mature operation experience and excellent brand reputation in the three major areas : product system, core technology and solutions.

The company has strong comprehensive strength, the factory is located in Jiading, Shanghai, covers an area of 30000 square meters, has a strong equipment production capacity. In the course of 20 years of operation and development, we have always adhered to the enterprise spirit of "professionalism, innovation, energy saving and service", deeply implemented the strategic policy of environmental protection and low carbon, and realized the construction of high intelligent and efficient air pressure system industry chain.

In the field of compressed air system solutions, we strengthen technology research and development, expand the strength of enterprises, and ingeniously develop a series of energy-saving products such as high-pressure oil-free and micro-oil screw air compressors, centrifugal air compressors and screw vacuum pumps. In addition, we are committed to providing compressed air system solutions.

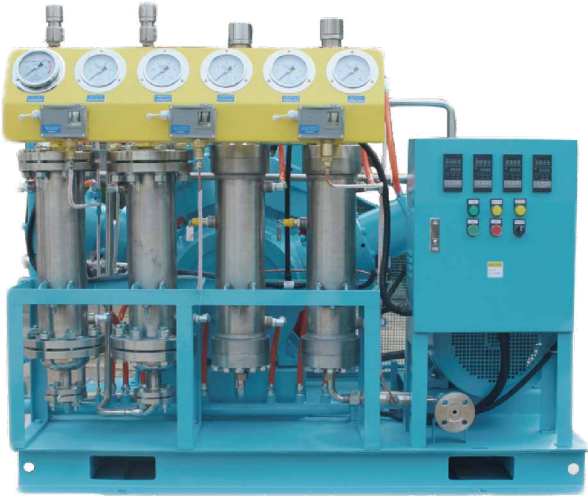
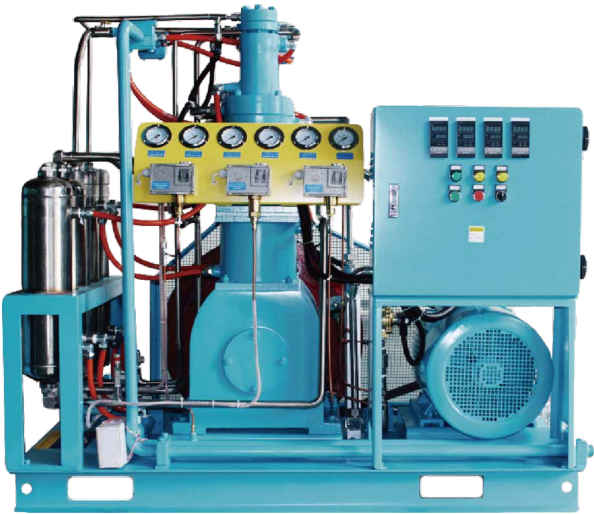
We have excellent technical strength and have been innovating continuously for many years under the guidance of the "environmental protection strategy". Relying on the regional advantages of Shanghai, China, we effectively open up the international Internet + Internet of things service chain, continue to open up foreign markets, and provide customers with OEM and personalized customized services. Each type of air compressor produced by us has novel style, advanced performance and quality assurance.

With the core technical force, perfect international brand supporting services, stringent quality management system, excellent after-sales service guarantee, our products have passed the European CE, ISO and other certification, and sold well in more than 50 countries and regions, such as Asia, Europe and the United States.

We pursue development with steadiness, growth with innovation, and future with excellent quality. We rely on the headquarters for construction. In the future, the company will adhere to the original idea, uphold the ingenuity, continue to persevere, to "create quality products, serve global customers" concept to provide international customers with high-quality air pressure products and high-efficiency air pressure system services!

全无油润滑高压氧气压缩机系列

Oil-free High Pressure O₂ Compressor



概述 General Description

本系列氧气压缩机严格按标准设计、生产，在产品技术性能、安全可靠方面，公司制定了企业内部规范。主要表现为：

01/ 材料选用

氧气压缩机产品设计时本着“安全第一，性能稳定”的指导思想。不管是从气缸、填料支承环等自制件的设计，还是外购安全阀等外购件都保证了机器的寿命和使用安全。

02/ 设计理念

1. 低转速，重负荷设计；有效保证易损件寿命，同时噪声低，震动小。
2. 小压力比设计，且进出口压力、各级排气温度采用准确控制，机器运行时温度异常则强制停机，进一步保证使用安全性。
3. 管路阀门大通径，低流速设计；进一步确保性能与安全。

另我公司已被国家压缩机标委会指定 2015 年为全无油润滑氧气压缩机国家标准起草单位。且我公司一款高压氧压机被授予国家重点新产品。

This series of oxygen compressors is designed and produced strictly according to standards. In terms of product technical performance and safety reliability, the company has established internal standards. The main manifestations are:

01/ Material selection

Design guiding ideology of oxygen compressor is "Safety first, Performance stability". Design of self-made parts of cylinder, packing support ring involved, including safety valve external purchase, ensure the service life of the machine and the safety of use.

02/ Design concept

1. Low speed, heavy load design; Effectively ensuring the service life of vulnerable parts, while maintaining low noise and minimal vibration.
2. Small pressure ratio design, and accurate control of inlet and outlet pressure and exhaust temperature at all levels. If the temperature is abnormal during machine operation, it will be forced to shut down, further ensuring safety during use.
3. Pipeline valves with large diameter and low flow rate design; Further ensure performance and safety.

Our company has been designated by the National Compressor Standardization Committee as the drafting unit for the national standard of oil-free lubricated oxygen compressors in 2015. And our company's high-pressure oxygen compressor has been awarded the national key new product.

规格参数 Technical Parameters

序号 S/N	排量 (m³) Displacement	进气压力 (Mpa) Intake pressure	排气压力 (Mpa) Exhaust pressure	型号 Model	机型 Type	冷却方式 Cooling method
1	1~3	0.3-0.4MPa	15	GOW-1~3/4-150	两列四级立式 Two column four level vertical	风冷 Air cooling
2	4~12	0.3-0.4MPa		GOW-4~12/4-150	两列四级立式 Two column four level vertical	风冷 Air cooling
3	13~40	0.3-0.4MPa		GOW-13~40/4-150	三列三级W型 Three columns, three levels, W-shaped	水冷 Water Cooling
4	13~60	0.2-0.4MPa		GOW-13~40/4-150	两列四级立式 Two column four level vertical	水冷 Water Cooling
5	40~80	0.2-0.4MPa		GOW-50~80/4-150	四列四级S型 Four columns, four levels, S-type	水冷 Water Cooling
6	80~120	0.2-0.4MPa		GOW-80~120/4-150	四列四级S型 Four columns, four levels, S-type	水冷 Water Cooling

注：上述机型为进气额定压力有限制（详见列表），若进气压力大于 0.4MPa 或小于 0.2MPa，则机型另外确定。
Note: The above models have limitations on the rated intake pressure (see list for details). If the intake pressure is greater than 0.4 MPa or less than 0.2 MPa, the model will be determined separately.

立式无油润滑压缩机系列
Vertical Oil-free Compressor



概述 General Description

机器振动小，噪音低，易损件寿命长，可连续运行；同时被压缩的气体介质纯净，无二次污染，适用于医药、化工、食品、科研等领域工艺气体压缩机，还可用于空分行业各类气体增压场合。

Small vibration, low noise, long service life of consumable parts, continuous operation; pure of the compressed gas, no secondary pollution, used for pharmaceutical, chemical, food, scientific research, and other fields of process gas compressor, also can be used for air separation industry of gas pressurizing cases.

主要参数 Main Parameter

- 01/ 进气压力：0-3.0MPa
- 02/ 排气压力：≤30MPa
- 03/ 电机功率：45-110KW
- 04/ 主机转速：300-580r/min
- 05/ 压缩级数：1-4 级
- 06/ 处理量：500-3000Nm³/h

- Intake Pressure: 0-3.0MPa
- Exhaust Pressure: ≤30MPa
- Motor Power: 45-110KW
- Compressor Speed: 300-580r/min
- Compression series: 1-4
- Throughput: 500-3000Nm³/h

全无油润滑氮气压缩机系列
Oil-free N₂ Booster Compressor



概述 General Description

氮气增压机是应用于气体分离等领域的后续设备，被广泛应用于化工、食品等行业。我司设计生产的全无油低、中压系列氮气增压机具有洁净无污染、泄露小等显著特点，每台机器均按客户要求设计生产，其控制简单，运行可靠，是您理想的选择。我公司现生产的高压气体压缩机可达 350 公斤。

Nitrogen booster is a follow-up equipment applied in gas separation and other fields, widely used in industries such as chemical and food. The oil-free low and medium pressure series nitrogen booster designed and produced by our company has significant characteristics such as cleanliness, pollution-free, and low leakage. Each machine is designed and produced according to customer requirements, with simple control and reliable operation, making it your ideal choice. Our company currently produces high-pressure gas compressors weighing up to 350 kilograms.

主要参数 Main Parameter

- 01/ 风冷或水冷
- 02/ 功率范围：≤55KW
- 03/ 转速范围：300-700r/min
- 04/ 流量范围：3-1000Nm³/h
- 05/ 吸气压力范围：≤2.5MPa
- 06/ 排气压力范围：≤35MPa
- 07/ 压缩级数：1-4 级

- Air - cooled or water - cooled type
- Power range: ≤55KW
- Speed range: 300-700r/min
- Flow rang: 3-1000Nm³/h
- Intake pressure: ≤2.5MPa
- Exhaust pressure: ≤35MPa
- Compression stage: 1-4

结构紧凑，运行、维护成本低、适用于增压

Compact structure, low operating and maintenance costs, suitable for turbocharging

全无油润滑氢气压缩机系列

Oil-free H₂ Booster Compressor



概述 General Description

氢气压缩机是用于气体分离后纯化、气源回收等领域的重要设备。我公司精心研发生产的全无油润滑氢气压缩机具有可靠、无污染、无泄漏等显著特点，被广泛应用于化工、食品、医药等行业。

Hydrogen compressor is an important equipment used in gas separation purification, gas source recovery and other fields. Our company's meticulously developed and produced oil-free lubricated hydrogen compressors have significant characteristics such as reliability, no pollution, and no leakage, and are widely used in industries such as chemical, food, and pharmaceutical.

主要参数 Main parameter

- 01/ 风冷或水冷
- 02/ 功率范围: ≤55KW
- 03/ 转速范围: 400-600r/min
- 04/ 流量范围: 400Nm³/h
- 05/ 吸气压力范围: ≤0.2MPa
- 06/ 排气压力范围: ≤15MPa
- 07/ 压缩级数: 1-4 级

- Air - cooled or water - cooled type
- Power range: ≤55 KW
- Speed range: 400-600r/min
- Flow rang: 400Nm³/h
- Intake pressure: ≤0.2MPa
- Exhaust pressure: ≤15MPa
- Compression stage: 1-4

全无油润滑中低压氧气压缩机系列

Oil-free O₂ Booster Compressor



概述 General Description

严格按氧气压缩机国家标准生产的全无油润滑中低压氧气压缩机，具有安全、可靠等显著特点，对被压缩的介质无任何污染，更加因其控制简单、维护方便等优点而成为您的首选。

The oil-free lubricated medium and low-pressure oxygen compressor produced strictly in accordance with the national standard for oxygen compressors has significant characteristics such as safety and reliability, and does not pollute the compressed medium. It has become your first choice due to its advantages of simple control and easy maintenance.

主要参数 Main parameter

- 01/ 风冷或水冷
- 02/ 功率范围: ≤55KW
- 03/ 转速范围: 300-600r/min
- 04/ 流量范围: 1000Nm³/h
- 05/ 吸气压力范围: 0-0.6MPa
- 06/ 排气压力范围: ≤10.0MPa
- 07/ 压缩级数: 1-4 级

- Air - cooled or water - cooled type
- Power range: ≤55KW
- Speed range: 300-600r/min
- Flow rang: 1000Nm³/h
- Intake pressure: 0-0.6MPa
- Exhaust pressure: ≤10.0MPa
- Compression stage: 1-4

结构紧凑，运行、维护成本低

Compact structure, low operating and maintenance costs

全无油润滑特种气体压缩机系列

Oil-free Unusual Gas Compressor



注：该页背景图片为 V 型六氟化硫增压机图片。
Note: The background image on this page is a picture of a V-type sulfur hexafluoride turbocharger.

概述 General Description

全无油密封式结构压缩机，主机采用全封闭结构，对被压缩介质无污染、无泄漏。该系列压缩机性能可靠、操作简单，更因其结构紧凑、连接快捷等诸多优点而受到用户的青睐。它可用于六氟化硫、氦气、甲烷、氨气、氟利昂、二氧化碳等有毒、稀有及贵重气体的压缩和回收。

Oil free sealed structure compressor, the main engine adopts a fully enclosed structure, which has no pollution or leakage to the compressed medium. This series of compressors has reliable performance, simple operation, and is favored by users due to its compact structure, fast connection, and many other advantages. It can be used for the compression and recovery of toxic, rare, and valuable gases such as sulfur hexafluoride, helium, methane, ammonia, fluorocarbons, and carbon dioxide.

全无油润滑空气压缩机系列

Oil-free Gas Compressor



概述 General Description

全无油中高压系列空气压缩机，系风冷或水冷结构组织，该系列机组配置对压缩机实行全自动停 / 开控制，工作压力和压差均可调整；同时设有手动控制按钮，可供紧急停机之用；产品广泛应用于化工、医药、食品饮料、电子仪器，交通电信、纺织、科研等部门的供气系统（如：压力检漏、耐压试验、塑料吹制、充瓶、柴油机启动、高压氧舱、管道清洗等场所）。本产品可以提供无油、纯净的高品质压缩空气。

The oil-free medium high pressure series air compressor is designed with air-cooled or water-cooled structural organization. The unit configuration of this series implements fully automatic stop/start control for the compressor, and the working pressure and pressure difference can be adjusted; At the same time, there is a manual control button available for emergency shutdown; The product is widely used in gas supply systems of chemical, pharmaceutical, food and beverage, electronic instruments, transportation and telecommunications, textile, scientific research and other departments (such as pressure leak detection, pressure testing, plastic blowing, bottle filling, diesel engine starting, high-pressure oxygen chamber, pipeline cleaning and other places). This product can provide high-quality compressed air that is oil-free and pure.

全无油润滑特种气体压缩机系列

Oil-free Unusual Gas Compressor

六氟化硫气体压缩机

Sulfur Hexafluoride (SF₆) Gas Compressor

主要参数 Main Parameter

01/ 功率范围: ≤37KW	Power range: ≤37KW
02/ 转速范围: 400-600r/min	Speed range: 400-600r/min
03/ 流量范围: ≤120Nm³/h	Flow rang: ≤120Nm³/h
04/ 吸气压力范围: ≤0.2MPa	Intake pressure: ≤0.2MPa
05/ 排气压力范围: ≤6.0MPa	Exhaust pressure: ≤6.0MPa



二氧化碳气体压缩机

Carbon Dioxide (CO₂)Gas Compressor

主要参数 Main Parameter

01/ 功率范围: ≤55KW	Power range: ≤55KW
02/ 转速范围: 300-680r/min	Speed range: 300-680r/min
03/ 流量范围: 0-800Nm³/h	Flow rang: 0-800Nm³/h
04/ 吸气压力范围: ≤6.5MPa	Intake pressure: ≤6.5MPa
05/ 排气压力范围: ≤35MPa	Exhaust pressure: ≤35MPa



甲烷天然气气体压缩机

Methane Natural Gas (CH₄)Compressor

主要参数 Main Parameter

01/ 功率范围: ≤55KW	Power range: ≤55KW
02/ 转速范围: 400-600r/min	Speed range: 400-600r/min
03/ 流量范围: ≤500Nm³/h	Flow rang: ≤500Nm³/h
04/ 吸气压力范围: ≤0.2MPa	Intake pressure: ≤0.2MPa
05/ 排气压力范围: ≤15MPa	Exhaust pressure: ≤15MPa



氟利昂气体压缩机

Freon Gas (CF₂Cl₂) Compressor

主要参数 Main Parameter

01/ 功率范围: ≤45KW
02/ 转速范围: 300-600r/min
03/ 流量范围: ≤10-300Nm³/h
04/ 吸气压力范围: 0-1.2MPa
05/ 排气压力范围: ≤4.0MPa

Power range: ≤45KW
Speed range: 300-600r/min
Flow rang: ≤10-300Nm³/h
Intake pressure: 0-1.2MPa
Exhaust pressure: ≤4.0MPa



氦气气体压缩机

Helium Gas (He) Compressor

主要参数 Main Parameter

01/ 功率范围: ≤55KW
02/ 转速范围: 400-600r/min
03/ 流量范围: 100Nm³/h
04/ 吸气压力范围: ≤0.4MPa
05/ 排气压力范围: 16MPa

Power range: ≤55KW
Speed range: 400-600r/min
Flow rang: 100Nm³/h
Intake pressure: ≤0.4MPa
Exhaust pressure: 16MPa



应用案例
Application Cases



赞比亚用户现场
Zambia User Site



缅甸用户现场
Myanmar User Site



马达加斯加用户现场
Madagascar User Site



哈萨克斯坦用户现场
Kazakhstan User Site



氟乙烯压缩机 (供日本大金)
Fluorine ethylene compressor (for Daikin, Japan)



四氧化二氮气体压缩机
Nitrogen tetroxide gas compressor



山东威海海鑫新材料有限公司



江苏奔腾橡胶有限公司



黄甫谧药业有限公司

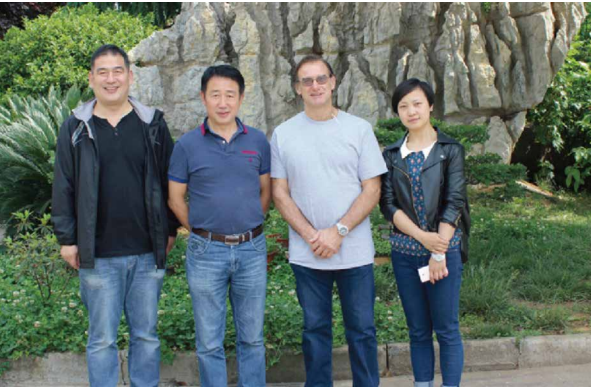
海外市场
Overseas Markets



巴基斯坦客户
Pakistani customer



斐济客户
Fiji customer



澳洲客户
Australian customer



土耳其客户
Turkey customer



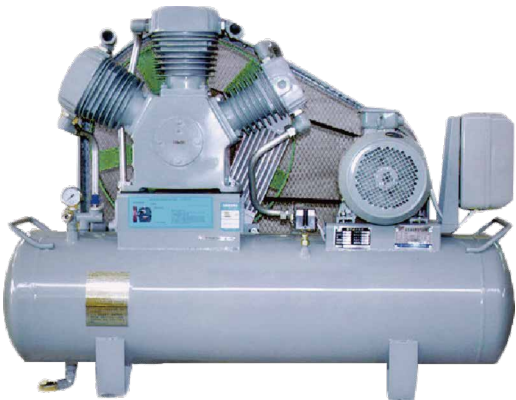
匈牙利客户
Hungarian customer



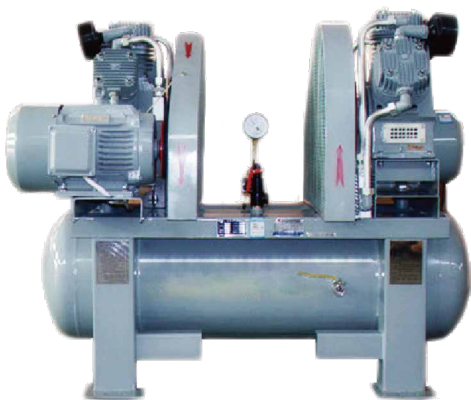
孟加拉国客户
Bangladeshi customer

规格参数 Technical Parameter

型号 Model	排气量 Air Displacement (m³/min)	排气压力 Displacement pressure (Mpa)	转速 Speed (r/min)	噪音 Noise [bd(A)]	电机功率 Motor power (KW)	排气口尺寸 Exhaust port size	储气罐容积 Air container volume (m³)	外形尺寸 External dimensions (L×W×H)
ZW-0.1/7	0.1	0.7	980	≤78	1.5(220V)	G1/4"	0.04	750×350×750
ZW-0.24/7	0.24	0.7	950	≤81	2.2(380V)	G1/2"	0.08	1140×400×900
ZW-0.3/7	0.3	0.7	950	≤81	2.2(380V)	G1/2"	0.08	1140×400×900
VW-0.45/7	0.45	0.7	920	≤83	4(380V)	G1/2"	0.12	1300×460×960
VW-0.6/7	0.6	0.7	950	≤84	5.5(380V)	G1/2"	0.12	1300×460×960
VW-0.42/10	0.42	1.0	920	≤84	4(380V)	G1/2"	0.12	1300×460×960
VW-0.5/14	0.5	1.4	670	≤84	5.5(380V)	G1/2"	0.18	1450×500×1100
WW-0.6/10	0.6	1.0	740	≤84	5.5(380V)	G1/2"	0.18	1450×500×1100
WW-0.9/7	0.9	0.7	810	≤84	7.5(380V)	G1/2"	0.18	1450×500×1100
WW-0.9/10	0.9	1.0	810	≤84	7.5(380V)	G1/2"	0.18	1450×500×1100
WW-0.7/12.5	0.7	1.25	740	≤84	7.5(380V)	G1/2"	0.18	1450×500×1100
WW-1.25/7	1.25	0.7	860	≤85	11(380V)	G3/4"	0.28	1600×650×1200
WW-1.25/10	1.25	1.0	770	≤85	11(380V)	G3/4"	0.28	1600×650×1200
WW-1.6/10	1.6	1.0	820	≤85	15(380V)	G3/4"	0.32	1660×650×1220
WW-1.8/10单机	1.8	1.0	900	≤86	15(380V)	G3/4"	0.32	1660×650×1220
WW-1.2/10	1.2	1.0	740	≤84	5.5x2(380V)	G1"	0.30	1850×1250×1400
WW-1.8/7	1.8	0.7	810	≤84	7.5x2(380V)	G1"	0.30	1850×1250×1400
WW-1.8/10	1.8	1.0	810	≤84	7.5x2(380V)	G1"	0.30	1850×1250×1400
WW-1.4/12.5	1.4	1.25	740	≤84	7.5x2(380V)	G1"	0.30	1850×1250×1400
WW-2.5/7	2.5	0.7	860	≤86	11x2(380V)	G1"	0.30	1850×1250×1400
WW-2.5/10	2.5	1.0	770	≤86	11x2(380V)	G1"	0.30	1850×1250×1400
WW-3.0/7	3.0	0.7	770	≤86	11x2(380V)	G1"	0.32	1850×1250×1400
WW-3.0/10	3.0	1.0	810	≤86	11x2(380V)	G1"	0.32	1850×1250×1400
WW-3.2/7	3.2	0.7	820	≤86	15x2(380V)	G1"	0.32	1900×1500×1500
WW-3.2/10	3.2	1.0	820	≤86	15x2(380V)	G1"	0.32	1900×1500×1500
WW-3.6/7	3.6	0.7	900	≤86	15x2(380V)	G1"	0.32	1900×1500×1500
WW-3.6/10	3.6	1.0	900	≤86	15x2(380V)	G1"	0.32	1900×1500×1500
WW-4.8/10	4.8	1.0	900	≤86	15x2(380V) 11x1(380V)	G3/2"	/	2210x1360x1050
WW-5.4/10	5.4	1.0	900	≤86	15KW*3	G3/2"	/	2210x1360x1050
WW-6.5/8	6.5	0.8	640	≤86	55KW	DN50FL	/	1800x1300x1600



W型空压机参考图
Reference diagram of W-type air compressor



双机组空压机参考图
Reference diagram of dual unit air compressor