JIAPENG Air Compressor Booster WWY-20~25/4-150 OIL FREE Supercharger For Oxygen Filling

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Anshan Jiapeng
- Certification: CE ISO9001
- Model Number: WWY-20~25/4-150
- Minimum Order Quantity: 1
- Price: $2000~20000 per set
- Packaging Details: Wooden Case
- Delivery Time: With in 7 days
- Payment Terms: D/P, T/T, L/C, L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 500 Sets Per Year

Product Specification

- Input Pressure: 0.4 Mpa
- OutLet Pressure: 15 Mpa
- Flow Rate Nm3/h: 20
- Cylinder Diameter: Φ70+Φ36+Φ20 (3 Stages)
- Inlet Size: Rc1/2
- Outlet Size: G5/8
- Size: 1350*1050*1100 (mm)
- Weight: 430 Kg
- REV R/min: 580/640
- Application: O2, N2, Ar2
- Highlight: **0.4mpa Air Compressor Booster**, **15mpa Air Compressor Booster**, **JIAPENG oil free booster compressor**

Product Description

JIAPENG WWY-20~25/4-150 oIL FREE Oxygen Booster Supercharger Air compressor O2 High booster for Oxygen filling

About shanghai powerbuilder automation technology co.,ltd

We are the authorized distributor of Anshan Jiapeng. We have been engaged in the assembly of PSA nitrogen generators and oxygen generators in our factory for 15 years, providing approximately 400 sets of PSA nitrogen generators and oxygen generators for domestic and international customers each year, including production, and debugging.

In collaboration with Burkert Valves, we have customized our own double-acting pneumatic valve. Through the design of top and middle pressure equalization,and airflow orifice plates, we continuously optimize and reduce the air consumption ratio of the equipment, thus achieving energy savings. The energy consumption ratio of our equipment has reached the highest level in China. And through our patented silencer, our device noise is controlled to less than 55 db.

In terms of process flow, we have cutting, welding, assembly, filling of molecular sieves, automatic rust removal, spraying, and complete procedures and supporting equipment for commissioning.

In the supply chain aspect, we provide first-line brands such as Atlas Copco, Ingersoll Rand, GDK, Liutech, Bolaite, Hanbell, and BK for air compressors, and provide Boly, Atlas Copco, and Liutech refrigerated dryers, as well as Anshan Jiapeng and Anqing Bailian boosters.

We can provide supporting equipment and accessories.

Our company, Everising Engineering, is dedicated to serving a global clientele of end-users and distributors. We offer a diverse range of products tailored to meet specific requirements. Our extensive lineup includes customized remote systems, color customization options, display interface customization, and a wide array of OEM services.

We take pride in our ability to provide personalized solutions, allowing our clients to have full control over the design and functionality of their equipment. Our team works closely with customers to understand their unique needs and deliver customized solutions that align with their preferences and specifications.

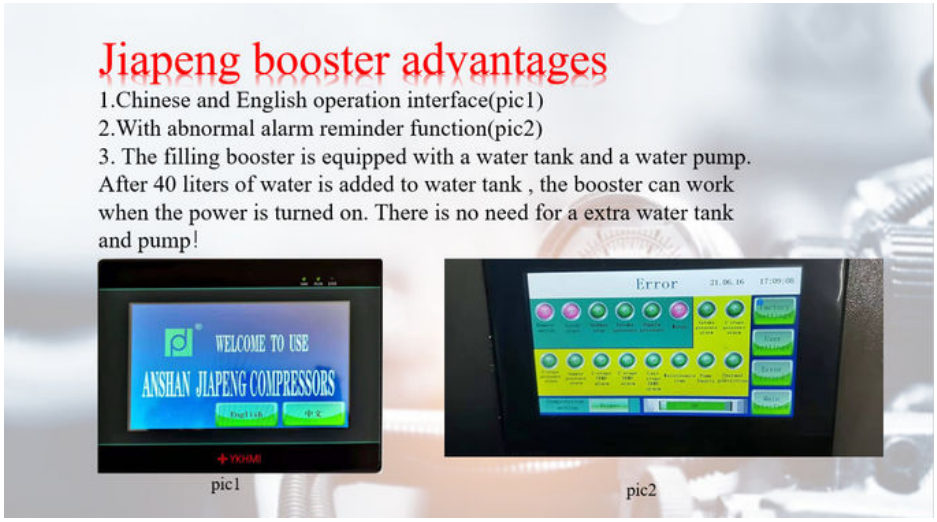
In addition to our customization capabilities, we are proud to offer ASME standard equipment and pressure tanks specifically designed to meet the stringent requirements of the USA and Australian markets. These products adhere to the highest quality and safety standards, ensuring compliance with industry regulations.

We invite you to explore our comprehensive range of products and services. For specific inquiries and detailed discussions, we encourage you to reach out to our customer manager. Our goal is to establish long-term partnerships with our clients, becoming their trusted and reliable provider of customized solutions and ASME standard equipment.

For specific selection, please contact our customer manager. We hope to become your trusted long-term partner.

About Anshan Jiapeng Compressor Co., Ltd

Anshan Jiapeng Compressor Co., Ltd. is located in the southeast of Liaoning Province, located in the steel capital - Anshan, the company was established in June 1998, the registered capital of 5 million yuan, after the reform of the state-owned enterprises, the first production of oil-free gas compressor joint-stock companies, is the earliest domestic production license manufacturers. The company mainly produces 10 series of compressors with more than 100 models of oil-free air, oxygen, nitrogen, argon, helium, carbon dioxide, sulfur hexafluoride and other non-flammable and explosive gases. At the same time, supporting post-treatment equipment, cold and dry machines, filters, gas storage tanks, to provide users with oil-free, water-free, dust-free and sterile purified air. Fat-filling oil-free compressor can change the original old model structure, convenient maintenance, prolong the service life, has won the national patent (patent no. ZL 20112 0053943.2) is the first compressor production license and general machinery GC certification unit, and through the ISO9001-2008 system certification. National quality qualified products. National mechanical and electrical products energy efficiency grade certification, for many years by anshan Industrial and commercial bureau as industry and commerce exempt enterprises, abide by the contract heavy credit enterprise, Anshan technical supervision bureau "anti-counterfeiting and fidelity enterprise".



Working Principle

Compression of gas: The air compressor draws in a large volume of air through one or more cylinders and compresses it using a piston or a screw-type compression device. As the gas is compressed, the molecular spacing decreases, resulting in increased gas pressure and temperature.

High-Pressure Gas Discharge: Once the gas is compressed to the desired pressure, it undergoes a discharge process where it is expelled from the air compressor. This high-pressure gas is directed into either a storage tank or delivery pipelines, depending on the specific application.

In the case of a storage tank, it serves as a reservoir for the compressed air, allowing for a balanced supply of air to be maintained. The tank helps regulate the flow of compressed air by storing it during periods of low demand and releasing it when there is a need for a higher volume of air. This ensures a steady and reliable supply of compressed air for various operations.

Alternatively, the compressed gas can be directed directly into delivery pipelines that distribute the high-pressure air to specific points of use. These pipelines are designed to transport the compressed air efficiently and safely to the desired locations, where it can be utilized for powering pneumatic tools, operating machinery, or performing other tasks.

The choice between using a storage tank or delivery pipelines depends on factors such as the specific application, required air supply capacity, and system design considerations. Both options play a crucial role in ensuring the efficient distribution and

utilization of the compressed air.
Overall, the discharge of high-pressure gas from the air compressor enables the availability of compressed air for a wide range of industrial and commercial applications, providing the necessary power and functionality to drive various pneumatic systems and equipment.
Control system: Air compressors are typically equipped with a control system to monitor and regulate the gas pressure. When the pressure drops below a set value, the control system starts the compressor to increase the gas supply. When the pressure reaches the preset upper limit, the control system stops or reduces the operation of the compressor.
Cooling system: During the compression process, the temperature of the gas increases. Therefore, air compressors are usually equipped with a cooling system to lower the gas temperature. This can be achieved through air cooling or water cooling.
Lubrication system: To reduce friction and wear, air compressors typically require a lubrication system to provide lubricating oil or lubricants to the compression device and other moving parts.
In summary, an air compressor compresses a large volume of air into high-pressure gas to meet the compressed air requirements in various industrial and commercial applications. The key steps in the working principle include gas compression, discharge of high-pressure gas, control system, cooling system, and lubrication system.

Product description

Lot.	**Item**		**Parameter**
1	The compression medium		Oxygen (must be dry and free of particulate gas)
2	Model		WWY-20/4--150
3	Flow rate (standard) Nm^3/h		20
4	Inlet temperature		≤40
5	Inlet pressure MPa		0.4
6	Outlet Pressure MPa		15
7	Cylinder diameter quantity		Φ70+Φ36+Φ20 mm
8	Revolving Speed r/min		580
9	Cooling Mode		Air cooling + water cooling (in circulation)
10	Lubrication method		Oil free lubrication
11	Compressed series		Three Level
12	Structural style		Angle type, W type, single unit
13	Motor	Power kW	11
		The electric system	AC380V, three-phase electricity, 50Hz/60Hz
		Insulation grade	B Grade
		Protection grade	IP44
		Start Mode	Direct Starting
14	Drive Mode		Belt Drive
15	The installation type		The base type
16	Noise Figure dB(A)		≤80
17	Control mode		PLC Touch screen control: maintenance alarm, over temperature alarm, overpressure alarm, motor overload alarm and so on
18	Dimension of inlet and outlet		Rc1/2 Rc5/8
19	Size(L×W×H) mm		1350X1050X1100
20	Weight kg		≈430

Lot.	**Item**	**Parameter**
1	The compression medium	Oxygen (must be dry and free of particulate gas)
2	Model	WWY-25/4--150
3	Flow rate (standard) Nm^3/h	25
4	Inlet temperature	≤40
5	Inlet pressure MPa	0.4
6	Outlet Pressure MPa	15
7	Cylinder diameter quantity	Φ70+Φ36+Φ20 mm
8	Revolving Speed r/min	640

9	Cooling Mode		Air cooling + water cooling (in circulation)
10	Lubrication method		Oil free lubrication
11	Compressed series		Three Level
12	Structural style		Angle type, W type, single unit
13	Motor	Power kW	11
		The electric system	AC380V, three-phase electricity, 50Hz/60Hz
		Insulation grade	B Grade
		Protection grade	IP44
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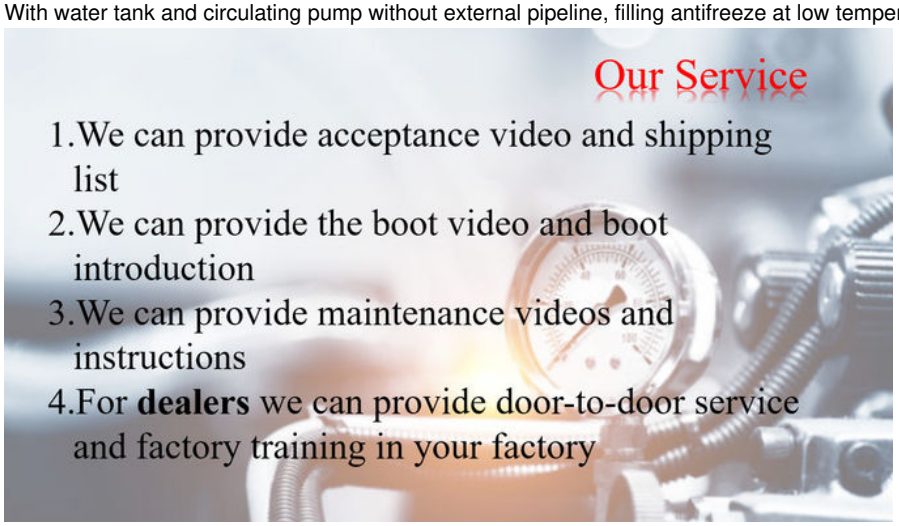
20	Weight kg		≈430

The basic parameters listed in this table can be confirmed according to the actual working conditions
Touch display PLC control
Remote control is optional
Inlet and outlet pressure overload, temperature overheating, cooling water failure,circulation rolling alarm and stop
Operation time display, maintenance cycle prompt
With water tank and circulating pump without external pipeline, filling antifreeze at low temperature without obstruction.



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