

OPPAIR
君威诺
—— 空压机制造商 ——

OPPAIR 君威诺

空压机专业制造商

PROFESSIONAL AIR
COMPRESSOR MANUFACTURER

www.oppaircompressor.com



OPPAIR

君威诺空压机(上海)有限公司

工厂地址: 山东省临沂市河东区温泉路和金乡路往西 300 米路南
临沂业务部: 山东省临沂市兰山区柳青街道国际企业中心
上海业务部: 上海奉贤区奉金路 559 号 2 幢

Shandong OPPER Machinery Manufacturing Co.,Ltd

Factory address: 300 meters west of Wenquan Road and Jinxiang Road, Hedong District, Linyi City, Shandong Province
Linyi Business Department: International Enterprise Center, Liuqing Street, Lanshan District, Linyi City, Shandong Province
Shanghai Business Department: Building 2, No. 559 Fengjin Road, Fengxian District, Shanghai
www.oppaircompressor.com



山东普艾机械制造有限公司

SHANDONG OPPER MACHINERY MANUFACTURING CO., LTD

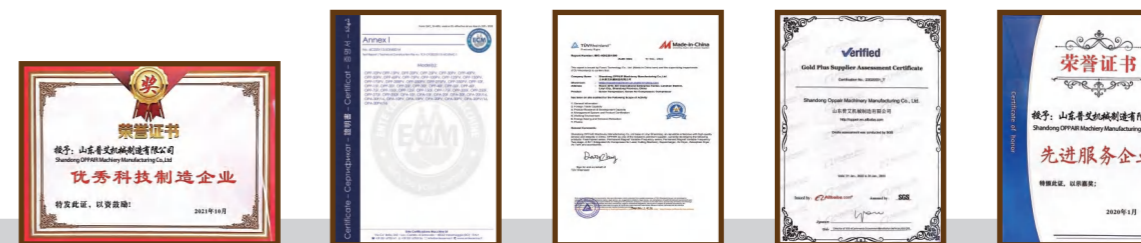


公司简介 COMPANY PROFILE

君威诺 OP-PAIR 专注于螺杆空压机的研发, 生产, 销售, 生产基地位于山东省临沂市。上海, 临沂均有业务部。旗下拥有两个品牌: 君威诺, OP-PAIR。君威诺不断突破和创新, 产品有: 工频系列、永磁变频系列、双级压缩系列、四合一激光切割系列、撬装万瓦激光系列, 增压器、冷干机、吸附式干燥机、储气罐及相关配件。君威诺证书齐全, 有 CE, ISO9001, TUV, SGS 等证书, 出口到美国, 欧盟等国家。君威诺空压机支持定制各种配置, 各种电压, 目前, 已远销 30 多个国家。深受客户信赖。德国标准, 君威诺制造。作为行业领先的科技公司, 君威诺一直致力于节能创新, 其中永磁变频系列节能率达到 30%。选择君威诺, 您的节能专家!

OPPAIR focuses on the research and development, production and sales of screw air compressors. The production base is located in Linyi City, Shandong Province. There are two business departments in Shanghai and Linyi, owning two brands: Junweino and OP-PAIR. OP-PAIR continues to make breakthroughs and innovations. Its products include: Fixed speed series, PM VSD series, Two-stage series, Four-in-one laser cutting series, Skid-mounted 10,000-watt laser series, Booster, Air dryer, Adsorption dryer, Air tank and related accessories. OP-PAIR has complete certificates, including CE, ISO9001, TUV, SGS and other certificates. Our company exported to the United States, the European Union and other countries. Junweino air compressor supports customization of various configurations and voltages. Currently, it has been exported to more than 30 countries. Trusted by customers. German standard, made by Junweino. As an industry-leading technology company, Junweino has been committed to energy-saving innovation, among which the PM VSD series has an energy-saving rate of 30%. Choose OP-PAIR, your energy saving expert!

CERTIFICATE 资质证书





208v/50hz/3p

220v/60hz/3p

380v/50hz/3p

400v/50hz/3p

415v/50hz/3p

440v/60hz/3p

220v/50hz/1p

220v/60hz/1p

OPPAIR配件	01/02
7.5KW-250KW 永磁变频系列	03/04
7.5KW-250KW 工频系列	05/06
SMART 永磁一体	07/08
四合一激光切割系列	09/10
AH 四合一激光切割系列	11/12
撬装激光螺杆空压机	13/14
冷干机	15/16
吸附式干燥机	17/18
储气罐	19/20
客户案例	21/22
OPPAIR ACCESSORIES	01/02
7.5KW-250KW PM VSD SERIES	03/04
7.5KW-250KW CONSTANT SPEED SERIES	05/06
SMART SERIES PERMANENT MAGNET INTEGRATEDL	07/08
4-IN-1 LASER CUTTING SERIES	09/10
AH 4-IN-1 LASER CUTTING SERIES	11/12
SKID MOUNTING LASER SCREW AIR COMPRESSOR	13/14
REFRIGERATED AIR DRYER	15/16
ADSORPTION DRYER	17/18
AIR TANK	19/20
CUSTOMER CASE	21/22

选择君威诺OPPAIR

高品质 耐用 放心

CHOOSE OPPAIR
HIGH QUALITY / DURABLE / FEEL AT EASE

1. 采用国际顶级第三代非对称丝双螺杆主机，秉承精湛的制造工艺，采用峰值高效低压、高效齿形、轴向进风设计。
2. 优化流道设计，大转子，低速高效。与第二代相比，能效提高 5%-15%。
3. 采用瑞典 SKF 重载轴承，双唇唇轴封，耐用可靠。轴承设计寿命 8 万 -10 万小时，主机设计寿命 20 万小时左右。

1. Adopts the international top-level third-generation asymmetric wire twin-screw air end, adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape and the axial air inlet design.
2. Optimized flow channel design, with a large rotor, low speed and high efficiency. Increased energy efficiency by 5% -15% compared to the second generation.
3. Uses Swedish SKF heavy-duty bearings, double-lip lip shaft seal, durable and reliable. The bearing design life is 80,000-100,000 hours and the air end design life is about 200,000 hours.

1. 采用 PLC 多语言控制系统，界面美观清晰，操作方便，操作人员可便捷地调节压缩机。
2. 过载保护、短路保护、反接保护、低温保护、高压保护等 14 项保护功能，全面保护机组。
3. 先进的微电脑控制驱动系统实现了智能化控制，风量变速控制自动调节负载启动和软启动。智能动态控制，动态显示压缩机各部件工作状态，可视压力、温度、当前工作曲线等。
4. 可采用计算机远程监控或联动控制多台空压机

1. Adopts PLC multilingual control system, beautiful and intuitive interface, easy to operate function, operators can quickly and easily adjust the compressor.
2. 14 protection functions such as overload protection, short circuit protection, reverse protection, low temperature protection, high voltage protection, etc. to fully protect the unit.
3. The advanced microcomputer control drive system realizes intelligent control, air volume variable speed control automatic adjustment of load start and soft start. Intelligent dynamic control, dynamic display of the working status of each component of the compressor, visual pressure, temperature, current working curve, etc.
4. Large memory and equipped with printer interface: it can use computer remote monitoring or multiple linkage control between air compressors.

1. 进气阀是控制空压机进气量的核心部件。
2. 采用世界名牌进气阀，可根据系统风量要求，0-100% 自动调节风量。它的压力损失小，动作稳定，使用寿命长，从而降低运营成本。

1. Intake valve is the core component to control the air intake of the air compressor.
2. Adopting the world famous brand air intake valve, it can automatically adjust the air volume by 0-100% according to the requirement of the system air quantity. It promises small pressure loss, stable action and long life consequently reduced operating costs.

AIR END
主机



SMART CONTROLLER
智能控制器



INTAKE VALVE
进气阀



MOTOR
电机



FAN
风扇



HEAT EXCHANGER
散热器



1. 电机采用知名品牌，高性能电机。永磁同步电机（PM电机）采用高性能永磁体，200°不失磁，使用寿命长达15年。

2. 定子线圈采用变频器专用防晕漆包线，绝缘性能优异，使用寿命更长。

3. 电机具有温度保护功能。电机调速范围广，音量调节精度高，范围广。体积小、噪声低、过电流大，可靠性显著提高。

4. 防护等级IP55，绝缘等级F，有效保护电机，增加电机使用寿命，效率比同类产品高5%-7%。

1. The motor adopts a well-known brand high-performance motor. The permanent magnet synchronous motor (PM motor) adopts high-performance permanent magnets, which do not lose magnetism under 200°C, and have a service life of up to 15 years.

2. The stator coil uses the frequency converter special halo proof enameled wire, the insulation is outstanding and the service life is longer.

3. The motor has the function of temperature protection. It also has a wide range of motor speed regulation, high precision and wide range of volume regulation. The reliability is significantly improved with small size, low noise and large excess current.

4. Protection grade IP55, insulation grade F, effectively protects the motor and increases the service life of the motor, the efficiency is 5%-7% higher than similar products.

1. 风扇采用大风扇设计，有效增强风扇散热效果。

2. 风机电机采用特殊绕组和高防护等级设计，适应恶劣工况。

3. 风机由控制器控制，实现自动启停功能，有效保持空压机润滑油的正常工作温度。

1. The fan uses a large fan design to effectively enhance the fan's heat dissipation effect. The motor adopts a special internal design to adapt to harsh working conditions.

2. The fan motor adopts special winding and high protection grade design to adapt to harsh working conditions.

3. The fan is controlled by the controller to realize the automatic start and stop function, which effectively maintains the normal working temperature of the air compressor lubricant.

1. 散热器采用优质材料和独特的内部通道设计，增加了散热面积，能有效地为空压机散热。

2. 散热器内壁经过防腐处理，增加散热器的使用寿命，增加传热效果。

3. 散热器经过严格出厂检测，质量可靠，有效防止空压机高温，增加机器使用寿命。

1. The heat exchanger uses high-quality raw materials and a unique internal channel design, which increases the heat exchange area and can effectively dissipate heat for the air compressor.

2. The inner wall of the heat exchanger is treated with corrosion protection to increase the service life of the heat exchanger and increase the heat transfer effect.

3. The radiator has passed the strict factory test, and the quality is reliable, which effectively prevents the high temperature of the air compressor and increases the service life of the machine.

7.5KW-250KW

永磁变频螺杆空压机(稳定、低噪音、智能控制)
PM VSD SCREW AIR COMPRESSOR
STABLE,LOW NOISE,INTELLIGENT CONTROL

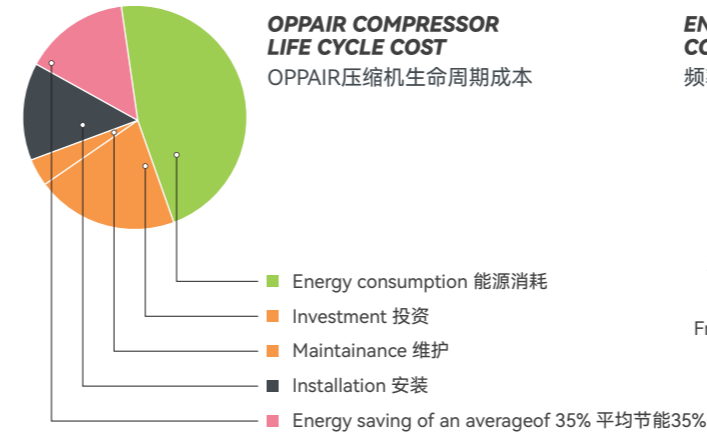


7.5KW-55KW

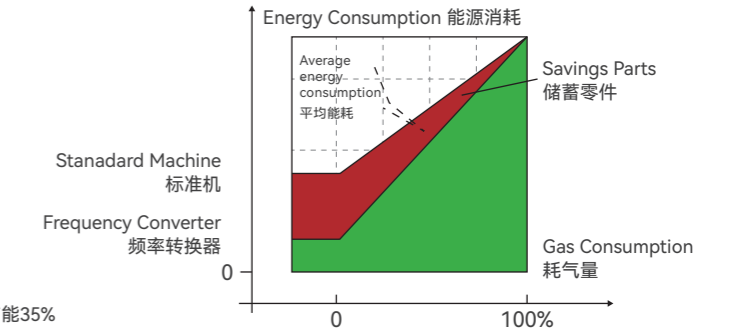
OPP永磁变频螺杆空压机
OPP PM VSD SCREW AIR COMPRESSOR

Model 型号	OPP-10PV	OPP-15PV	OPP-20PV	OPP-30PV	OPP-40PV	OPP-50PV	OPP-60PV	OPP-75PV
Power 功率 (kw)	7.5	11	15	22	30	37	45	55
Horsepower 马力 (hp)	10	15	20	30	40	50	60	75
Air displacement/ Working pressure 排气量/工作压力 (m³/min./ bar)	1.2/7	1.6/7	2.5/7	3.8/7	5.3/7	6.8/7	7.4/7	10.0/7
	1.1/8	1.5/8	2.3/8	3.6/8	5.0/8	6.2/8	7.0/8	9.2/8
	0.9/10	1.3/10	2.1/10	3.2/10	4.5/10	5.6/10	6.2/10	8.5/10
	0.8/12	1.1/12	1.9/12	2.7/12	4.0/12	5.0/12	5.6/12	7.6/12
Air outlet diameter 出气口直径	DN15	DN20	DN20	DN25	DN40	DN40	DN40	DN50
Lubricating oil volume 润滑油量 (L)	6	10	10	15	22	22	22	40
Noise level 噪音dB(A)	60±2	62±2	62±2	64±2	66±2	66±2	66±2	68±2
Driven method 驱动方式	Direct driven 直连							
Type 类型	PM VSD 永磁变频							
Start method 启动方式	Variable frequency start 变频启动							
Length 长度 (mm)	930	1080	1080	1300	1390	1390	1500	1600
Width 宽度 (mm)	620	700	700	850	950	950	950	1170
Height 高度 (mm)	820	1060	1060	1160	1250	1250	1250	1520
Weight 重量 (kg)	185	245	245	425	460	460	550	1005

PM VSD FEATURES 永磁变频特点



ENERGY CONSUMPTION CURVE OF FREQUENCY CONVERSION COMPRESSOR
频率能耗曲线转换压缩机



永磁变频空压机 (PM VSD/VFD型) 作为OPPAIR的主力机型, 具有突出的优势:

- 深度节能可达30%
- 智能控制系统
- 最新一代高效永磁电机
- 最新一代超稳定变频器
- 软启动, 启动冲击小
- 低噪音

As the main model of OPPAIR, the Permanent Magnet Variable Frequency Air Compressor (PM VSD/VFD Type) has outstanding advantages:

- Deep energy saving can reach 30%
- Intelligent control system
- The latest generation of high-efficiency permanent magnet motors
- The latest generation of ultra-stable inverter
- Soft start, small start impact
- Low noise

75KW-250KW

OPP永磁变频螺杆空压机
OPP PM VSD SCREW AIR COMPRESSOR

Model 型号	OPP-100PV	OPP-125PV	OPP-150PV	OPP-175PV	OPP-200PV	OPP-275PV	OPP-350PV
Power 功率 (kw)	75	90	110	132	160	200	250
Horsepower 马力 (hp)	100	125	150	175	200	275	350
Air displacement/ Working pressure 排气量/工作压力 (m³/min./ bar)	13.4/7	16.2/7	21.0/7	24.5/7	32.4/7	38.2/7	45.5/7
	12.6/8	15.0/8	19.8/8	23.2/8	30.2/8	36.9/8	43/8
	11.2/10	13.8/10	17.4/10	20.5/10	26.9/10	33/10	38.9/10
	10.0/12	12.3/12	14.8/12	17.4/12	23/12	28.5/12	36/12
Air outlet diameter 出气口直径	DN50	DN50	DN65	DN65	DN75	DN90	DN90
Lubricating oil volume 润滑油量 (L)	40	60	70	70	90	110	130
Noise level 噪音dB(A)	68±2	70±2	70±2	70±2	75±2	85±2	85±2
Driven method 驱动方式	Direct driven 直连						
Type 类型	PM VSD 永磁变频						
Start method 启动方式	Variable frequency start 变频启动						
Length 长度 (mm)	1720	2450	2450	2450	2760	2760	2760
Width 宽度 (mm)	1220	1450	1450	1450	1800	1800	1800
Height 高度 (mm)	1600	1850	1850	1850	2100	2100	2100
Weight 重量 (kg)	1195	1300	1500	1950	2800	3100	3500

7.5KW-250KW

工频螺杆空压机

7.5KW-250KW FIXED SPEED SCREW AIR COMPRESSOR



COMPRESSOR FEATURES 压缩机特点



OPPAIR螺杆空压机具有高稳定性、高效率、低振动、低噪音、使用寿命长等优点。

空气压缩机产生的压缩空气是仅次于电的第二大动力源，应用范围很广。其压缩空气广泛应用于电力、喷涂、食品、冶金、石化、汽车、造船、精密电子、化工、印刷等行业。

OPPAIR Screw air compressor has the advantages of high stability, high efficiency, low vibration, low noise and long service life.

Compressed air from air compressors is the second largest power source after electricity and has a wide range of applications. Its compressed air is widely used in electricity, spraying, food, metallurgy, petrochemical, automotive, ship building, precision electronics, chemical and printing industries.

7.5KW-55KW

OPP工频螺杆空压机

OPP FIXED SPEED SCREW AIR COMPRESSOR

Model 型号	OPP-10F	OPP-15F	OPP-20F	OPP-30F	OPP-40F	OPP-50F	OPP-60F	OPP-75F
Power 功率 (kw)	7.5	11	15	22	30	37	45	55
Horsepower 马力 (hp)	10	15	20	30	40	50	60	75
Air displacement/ Working pressure 排气量/工作压力 (m ³ /min./ bar)	1.2/7	1.6/7	2.5/7	3.8/7	5.3/7	6.8/7	7.4/7	10.0/7
	1.1/8	1.5/8	2.3/8	3.6/8	5.0/8	6.2/8	7.0/8	9.2/8
	0.9/10	1.3/10	2.1/10	3.2/10	4.5/10	5.6/10	6.2/10	8.5/10
	0.8/12	1.1/12	1.9/12	2.7/12	4.0/12	5.0/12	5.6/12	7.6/12
Air outlet diameter 出气口直径	DN15	DN20	DN20	DN25	DN40	DN40	DN40	DN50
Lubricating oil volume 润滑油量 (L)	6	10	10	15	22	22	22	40
Noise level 噪音dB(A)	60±2	62±2	62±2	64±2	66±2	66±2	66±2	68±2
Driven method 驱动方式	Direct driven 直连							
Type 类型	Fixed Speed 工频							
Start method 启动方式	Y-Δ 星三角启动							
Length 长度 (mm)	930	1080	1080	1300	1500	1500	1500	1600
Width 宽度 (mm)	620	700	700	850	950	950	950	1170
Height 高度 (mm)	820	1060	1060	1160	1250	1250	1250	1520
Weight 重量 (kg)	185	245	245	425	550	550	550	1005

75KW-250KW

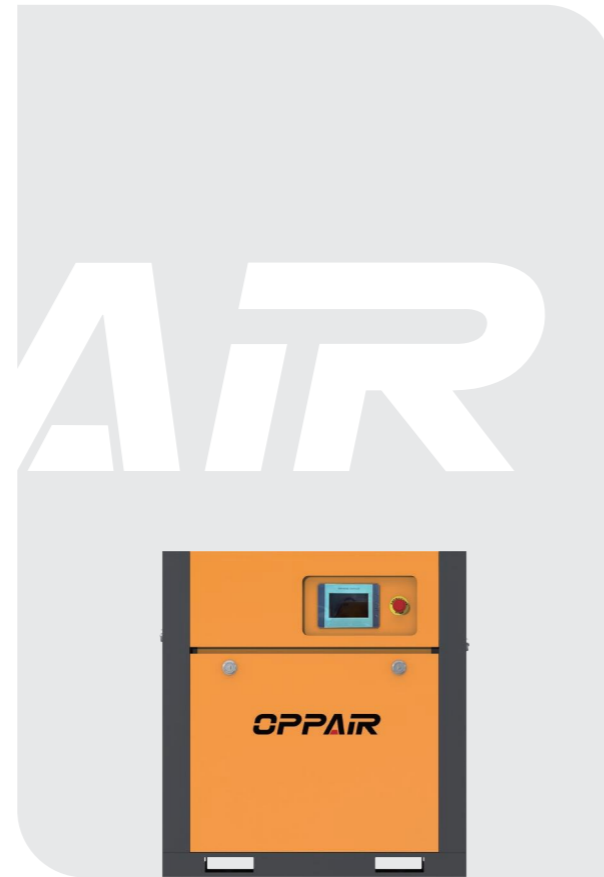
OPP工频螺杆空压机

OPP FIXED SPEED SCREW AIR COMPRESSOR

Model 型号	OPP-100F	OPP-125F	OPP-150F	OPP-175F	OPP-200F	OPP-275F	OPP-350F
Power 功率 (kw)	75	90	110	132	160	200	250
Horsepower 马力 (hp)	100	125	150	175	200	275	350
Air displacement/ Working pressure 排气量/工作压力 (m ³ /min./ bar)	13.4/7	16.2/7	21.0/7	24.5/7	32.4/7	38.2/7	45.5/7
	12.6/8	15.0/8	19.8/8	23.2/8	30.2/8	36.9/8	43/8
	11.2/10	13.8/10	17.4/10	20.5/10	26.9/10	33/10	38.9/10
	10.0/12	12.3/12	14.8/12	17.4/12	23/12	28.5/12	36/12
Air outlet diameter 出气口直径	DN50	DN50	DN65	DN65	DN75	DN90	DN90
Lubricating oil volume 润滑油量 (L)	40	60	70	70	90	110	130
Noise level 噪音dB(A)	68±2	70±2	70±2	70±2	75±2	85±2	85±2
Driven method 驱动方式	Direct driven 直连						
Type 类型	Fixed Speed 工频						
Start method 启动方式	Y-Δ 星三角启动						
Length 长度 (mm)	1720	2450	2450	2450	2760	2760	2760
Width 宽度 (mm)	1220	1450	1450	1450	1800	1800	1800
Height 高度 (mm)	1600	1850	1850	1850	2100	2100	2100
Weight 重量 (kg)	1195	1300	1500	1950	2800	3100	3500

SMART 永磁一体

SMART PERMANENT MAGNET INTEGRATED



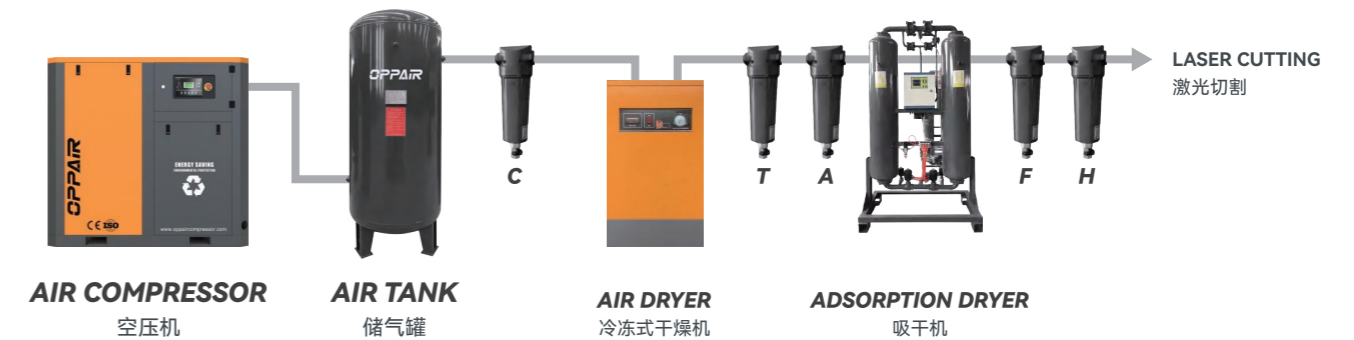
7.5KW-37KW

SMART永磁变频螺杆空压机
SMART PM VSD SCREW AIR COMPRESSOR

Model 型号	Smart-10	Smart-15	Smart-20	Smart-30	Smart-40	Smart-50
Power 功率 (kw)	7.5	11	15	22	30	37
Horsepower 马力 (hp)	10	15	20	30	40	50
Air displacement/ Working pressure 排气量/工作压力 (m³/min./bar)	1.2/7	1.6/7	2.5/7	3.8/7	5.3/7	6.8/7
	1.1/8	1.5/8	2.3/8	3.6/8	5.0/8	6.2/8
	0.9/10	1.3/10	2.1/10	3.2/10	4.5/10	5.6/10
	0.8/12	1.1/12	1.9/12	2.7/12	4.0/12	5.0/12
Air outlet diameter 出气口直径	DN15	DN20	DN20	DN25	DN40	DN40
Lubricating oil volume 润滑油量 (L)	6	10	10	15	22	22
Noise level 噪音dB(A)	60±2	62±2	62±2	64±2	66±2	66±2
Driven method 驱动方式	Direct driven 直连					
Type 类型	PM VSD 永磁变频					
Start method 启动方式	Variable frequency start 变频启动					
Length 长度 (mm)	780	1000	1000	1070	1200	1200
Width 宽度 (mm)	600	700	700	800	950	950
Height 高度 (mm)	870	1070	1070	1150	1250	1250
Weight 重量 (kg)	175	220	240	390	420	430

空压机连接方案

AIR COMPRESSOR CONNECTION SCHEME



1. 空压机+储气罐
2. 空压机+储气罐+QPS精密过滤器+冷干机
3. 空压机+储气罐+CTAFH精密过滤器+冷干机+吸干机

1. Air compressor + Air tank
2. Air compressor + Air tank + QPS precision filter + Air dryer
3. Air compressor + Air tank + CTAFH precision filter + Air dryer + Adsorption dryer

四合一螺杆空压机

用于激光切割机，最高可达16公斤
4-IN-1 INTEGRATED
SCREW AIR COMPRESSOR FOR LASER
CUTTING MACHINE MAX CAN BE 16BAR



四合一空压机

7-12公斤常压系列
4-IN-1 INTEGRATED, 7-12BAR NORMAL PRESSURE SERIES

Model 型号	OPA-10F	OPA-15F	OPA-20F	OPA-30F	OPA-10PV	OPA-15PV	OPA-20PV	OPA-30PV
Power 功率 (kw)	7.5	11	15	22	7.5	11	15	22
Horsepower 马力 (hp)	10	15	20	30	10	15	20	30
Air displacement/ Working pressure 排气量/工作压力 (m³/min./bar)	1.2/7	1.6/7	2.5/7	3.8/7	1.2/7	1.6/7	2.5/7	3.8/7
	1.1/8	1.5/8	2.3/8	3.6/8	1.1/8	1.5/8	2.3/8	3.6/8
	0.9/10	1.3/10	2.1/10	3.2/10	0.9/10	1.3/10	2.1/10	3.2/10
	0.8/12	1.1/12	1.9/12	2.7/12	0.8/12	1.1/12	1.9/12	2.7/12
Air Tank 储气罐 (L)	380	500	500	500	380	500	500	500
Type 类型	Fixed Speed 工频				PM VSD 永磁变频			
Air outlet diameter 出气口直径	DN20	DN20	DN20	DN20	DN20	DN20	DN20	DN20
Lubricating oil volume 润滑油量 (L)	6	10	10	15	6	10	10	15
Noise level 噪音dB(A)	60±2	62±2	62±2	68±2	60±2	62±2	62±2	68±2
Driven method 驱动方式	Direct driven 直连							
Start method 启动方式	Y-Δ 星三角启动				Variable frequency start 变频启动			
Length 长度 (mm)	1540	1750	1750	2050	1540	1750	1750	2050
Width 宽度 (mm)	720	720	720	870	720	720	720	870
Height 高度 (mm)	1510	1750	1750	1830	1510	1750	1750	1830
Weight 重量 (kg)	370	460	460	600	380	480	480	620

COMPRESSOR FEATURES 空压机特点

- IE3/IE4永磁电机
- 恒压/静音
- 汽车级设计
- 占地面积小
- 重量轻
- 方便安装和维护
- 五级过滤，最大程度保护您的激光切割机
- IE3/IE4 permanent magnet motor
- Constant voltage/mute
- Automotive grade design
- Small footprint
- Light in weight
- Easy to install and easy to maintain
- Five-stage filtration, the maximum protection of your laser cutting machine



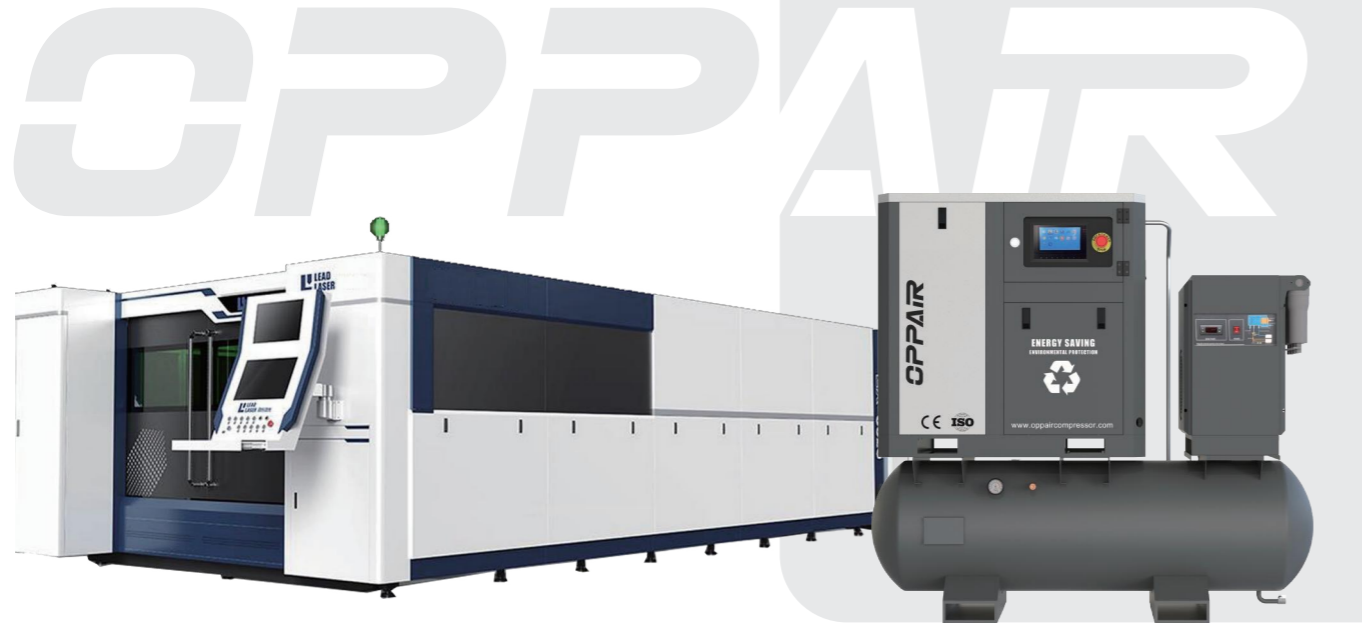
四合一激光切割空压机

高压系列，最高16公斤
4-IN-1 LASER CUTTING COMPRESSOR, MAX 16BAR HIGH PRESSURE SERIES

Model 型号	OPA-15F/16	OPA-20F/16	OPA-30F/16	OPA-15PV/16	OPA-20PV/16	OPA-30PV/16
Power 功率 (kw)	11	15	22	11	15	22
Horsepower 马力 (hp)	15	20	30	15	20	30
Air displacement/ Working pressure 排气量/工作压力 (m³/min./bar)	1.0/16	1.2/16	2.0/16	1.0/16	1.2/16	2.0/16
Air Tank 储气罐 (L)	500	500	500	500	500	500
Type 类型	Fixed Speed 工频			PM VSD 永磁变频		
Air outlet diameter 出气口直径	DN20	DN20	DN20	DN20	DN20	DN20
Lubricating oil volume 润滑油量 (L)	10	10	15	10	10	15
Noise level 噪音dB(A)	62±2	62±2	68±2	62±2	62±2	68±2
Driven method 驱动方式	Direct driven 直连					
Start method 启动方式	Y-Δ 星三角启动			Variable frequency start 变频启动		
Length 长度 (mm)	1750	1750	2050	1750	1750	2050
Width 宽度 (mm)	720	720	870	720	720	870
Height 高度 (mm)	1750	1750	1830	1750	1750	1830
Weight 重量 (kg)	460	460	600	480	480	620

四合一螺杆空压机

用于激光切割机，最高可达20公斤
4-IN-1 INTEGRATED
SCREW AIR COMPRESSOR FOR LASER
CUTTING MACHINE MAX CAN BE 20 BAR



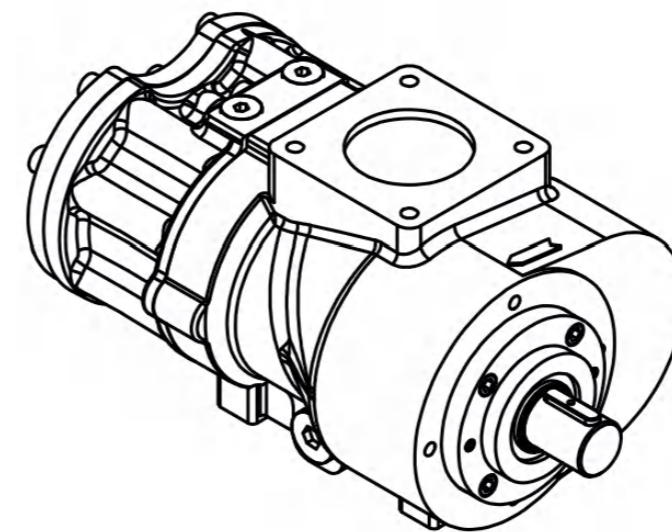
汉钟四合一激光切割空压机

最大20公斤高压系列
AH 4-IN-1 LASER CUTTING COMPRESSOR, MAX 20BAR HIGH PRESSURE SERIES

Model 型号	AH-20/16	AH-30/16	AH-20/20	AH-30/20
Power 功率 (kw)	15	22	15	22
Horsepower 马力 (hp)	20	30	20	30
Air displacement/ Working pressure 排气量/工作压力 (m³/min./ bar)	1.47/16	2.16/16	1.01/20	1.57/20
Air Tank 储气罐 (L)	500	500	500	500
Type 类型	PM VSD 永磁变频			
Air outlet diameter 出气口直径	DN20	DN20	DN20	DN20
Lubricating oil volume 润滑油量 (L)	10	15	10	15
Noise level 噪音dB(A)	62±2	68±2	62±2	68±2
Driven method 驱动方式	Direct driven 直连			
Start method 启动方式	Variable frequency start 变频启动			
Length 长度 (mm)	1750	2050	1750	2050
Width 宽度 (mm)	720	870	720	870
Height 高度 (mm)	1750	1830	1750	1830
Weight 重量 (kg)	500	640	520	660

汉钟AH主机

HANBELL AH AIR END



滤芯过滤精度及效果

FILTER ELEMENT FILTRATION ACCURACY AND EFFECTIVENESS

C级 Class C	T级 Class T	A级 Class A
通过高效旋风分离及碰撞分离 滤除颗粒(水及油雾)≥3µm 含油量≤5ppm	主管通过滤(凝聚式) 滤除颗粒(水及油雾)≥3µm 含油量≤1ppm	高效除油过滤(凝聚式) 滤除颗粒(水及油雾)≥0.01µm 含油量≤0.01ppm
F级 Class F	H级(活性炭) Class H(activated carbon)	
超高效除油过滤(凝聚式) 滤除颗粒(水及油雾)≥0.01µm 含油量≤0.001ppm	超高效油蒸汽去除 滤除≥0.01µm的固体颗粒 含油量≤0.001ppm	

撬装激光螺杆空压机

超大供气量，万瓦激光专用

SKID MOUNTING

LASER SCREW AIR COMPRESSOR

SUPER LARGE GAS SUPPLY, FOR 10 MEGAWATT LASER



COMPRESSOR FEATURES 空压机特点

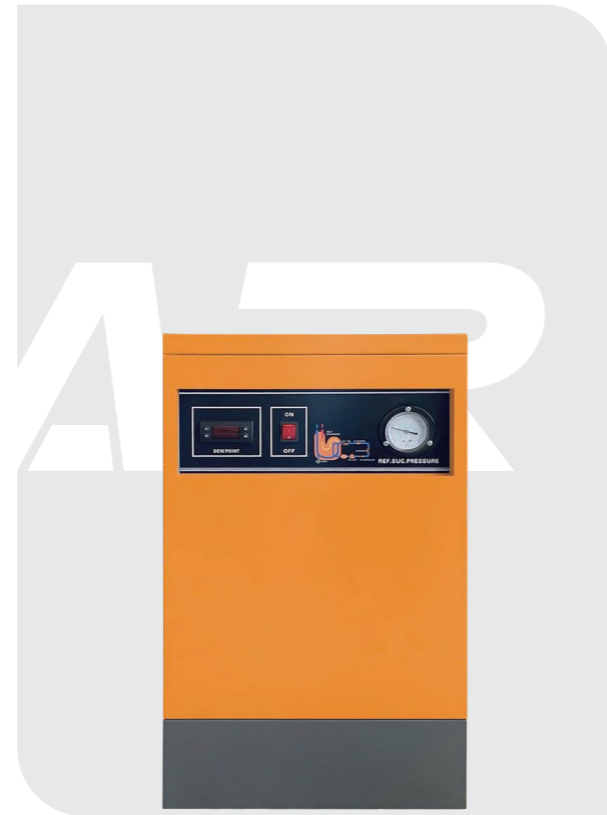
- 采用永磁变频空压机，节能高效
- 采用板换式冷干机，模组式吸干机，5级精密过滤器，空气更洁净
- 两个超大600L储气罐，空气干湿分离
- 整体镀锌钢管，整洁美观，结实耐用
- 撬装一体设计，节省空间，连电即可用，操作简单
- Adopt permanent magnet variable frequency air compressor, energy saving and high efficiency
- Adopt plate change type dry machine, module adsorption dryer, 5-level precision filter, cleaner air
- Two large 600L air tanks, dry and wet air separation
- The whole galvanized steel pipe is clean and beautiful, strong and durable
- Skid integrated design, saving space, save installation time, ready to use when connected to power, simple operation



型号	功率	压力	供气量	类型	尺寸	出气口尺寸	过滤级别	重量
Laser-40PV/16	30KW 40HP	16公斤	3.4m3/min	永磁变频	2130*1980*2180mm	G 1" =DN25	CTAFH 五级过滤	1100公斤
Laser-50PV/16	37KW 50HP	16公斤	4.2m3/min	永磁变频	2130*1980*2180mm	G 1" =DN25	CTAFH 五级过滤	1300公斤

Model	Power	Stress	Air supply	Type	Dimension	Air outlet diameter	Filter level	Weight
Laser-40PV/16	30KW 40HP	16kg	3.4m3/min	PM VSD	2130*1980*2180mm	G 1" =DN25	CTAFH 5-class	1100kg
Laser-50PV/16	37KW 50HP	16kg	4.2m3/min	PM VSD	2130*1980*2180mm	G 1" =DN25	CTAFH 5-class	1300kg

冷干机
AIR DRYER



冷干机-常温型

AIR DRYER NORMAL TEMPERATURE TYPE

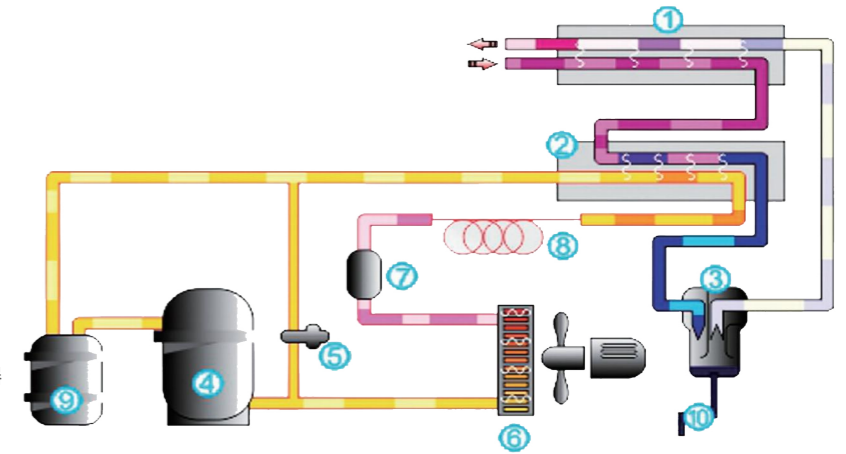
Model 型号	OFD-1.5N	OFD-2.5N	OFD-3.5N	OFD-6.5N	OFD-8.5N	OFD-10.5N	
Processing capacity 处理量 (m³/min)	1.5	2.5	3.5	6.5	8.5	10.5	
Working pressure 工作压力 (bar)	2-10 bar (12 bar, 16 bar, 20 bar, 30 bar can be customized 可以定制)						
Dew point temperature 露点温度(°C)	2-10°C						
Operating temperature 工作温度	≤45°C						
Voltage 电压	220V/50Hz/1P or 220V/60Hz/1P or other voltage 其他电压						
Compressor power 压缩机功率(kw)	0.5	0.7	0.9	1	1.6	2	
Fan power 风机功率(w)	80	95	120	240	300	380	
Air outlet diameter 出气口直径 (mm)	DN25	DN25	DN40	DN40	DN50	DN50	
Dimensions 尺寸	Length 长度 (mm)	665	750	800	923	1125	
	Width 宽度 (mm)	425	420	440	500	585	625
	Height 高度 (mm)	560	730	800	910	1000	1030
Machine net weight 机器净重 (kg)	37	45	60	80	90	120	

OFD-13.5N	OFD-15.5N	OFD-20N	OFD-25N	OFD-30N	OFD-40N	OFD-50N	OFD-60N	OFD-80N	OFD-100N
13.5	15.5	20	25	30	40	50	60	80	100
2-10 bar (12 bar, 16 bar, 20 bar, 30 bar can be customized 可以定制)									
2-10°C									
≤45°C									
380V/50Hz/3P or 220V/440V/60Hz/3P or other voltage 其他电压									
3	3.1	3.68	4.41	5.15	6.62	8.82	11.03	14.7	18.4
420	480	480	480	720	720	720	760	960	1440
DN50	DN50	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150
1125	1280	1500	1700	1770	1950	1950	2200	2500	2700
625	650	750	750	850	900	1050	1325	1325	1600
1045	1120	1335	1395	1445	1560	1600	1685	1695	2100
167	190	220	270	360	490	560	680	760	970

- Enter the hot and humid air 进入湿热空气
- Enter the damp and cold air Exhaust cold and dry air 进入湿冷空气 排出冷干空气
- Exhaust warm and dry air 排出温暖干燥的空气
- Condensate 凝析油

- Gaseous freon 气态氟利昂
- Liquid Freon 液态氟利昂
- Gas/liquid freon 气/液氟利昂

1. Air exchanger 空气交换器
2. Evaporator 蒸发器
3. Gas-liquid separator 气液分离器
4. Compressor 压缩机
5. Bypass valve 旁通阀
6. Condenser 冷凝器
7. Dry filter 干燥过滤器
8. Capillary 毛细管
9. Freon gas-liquid service separator 氟利昂气液分离器
10. Automatic drain valve 自动排水阀



- 性能更稳定
- 外转子风扇，风力更强
- 提高冷凝和预冷效率，运行更稳定
- 更高的工作效率
- 换热器设计独特，效率更高
- 寿命长
- 采用知名品牌核心部件，使用寿命更长

- The performance more stable
- The external rotor fan make the wind more stronger
- The condensation and pre-cooling efficiency are improved, running more stable
- Higher working efficiency
- The heat exchanger has a unique design and increased efficiency
- Longer life
- Adopts well-known brands core component, longer service life

冷干机-高温型

AIR DRYER NORMAL TEMPERATURE TYPE

Model 型号	OFD-1.5H	OFD-2.5H	OFD-3.5H	OFD-6.5H	OFD-8.5H	OFD-10.5H
Processing capacity 处理量 (m³/min)	1.5	2.5	3.5	6.5	8.5	10.5
Working pressure 工作压力 (bar)	2-10 bar (12 bar, 16 bar, 20 bar, 30 bar can be customized 可以定制)					
Dew point temperature 露点温度(°C)	2-10°C					
Operating temperature 工作温度	≤80°C					
Voltage 电压	220V/50Hz/1P or 220V/60Hz/1P or other voltage 其他电压					
Compressor power 压缩机功率(kw)	0.7	0.9	1	1.6	1.8	2
Fan power 风机功率(w)	95	120	240	300	300	380
Air outlet diameter 出气口直径 (mm)	DN25	DN25	DN40	DN40	DN50	DN50
Dimensions 尺寸	Length 长度 (mm)	750	800	923	995	1125
	Width 宽度 (mm)	420	440	500	585	625
	Height 高度 (mm)	730	800	910	1080	1000
Machine net weight 机器净重 (kg)	45	60	76	90	95	120

OFD-13.5H	OFD-15.5H	OFD-20H	OFD-25H	OFD-30H	OFD-40H	OFD-50H	OFD-60H	OFD-80H	OFD-100H
13.5	15.5	20	25	30	40	50	60	80	100
2-10 bar (12 bar, 16 bar, 20 bar, 30 bar can be customized 可以定制)									
2-10°C									
≤80°C									
380V/50Hz/3P or 220V/440V/60Hz/3P or other voltage 其他电压									
3	3.1	4.5	4.5	6.9	9.2	11	14	18	20
420	480	600	600	750	1080	2020	2020	1560	3330
DN50	DN50	DN80	DN80	DN100	DN100	DN125	DN125	DN150	DN150
1125	1280	1300	1300	1600	1800	1900	1900	2500	2800
625	650	750	750	820	8201	900	900	1000	1000
1045	1120	1230	1230	1520	1560	1570	1570	1900	2100
167	190	260	280	390	490	560	680	760	970

吸干机
ADSORPTION DRYER

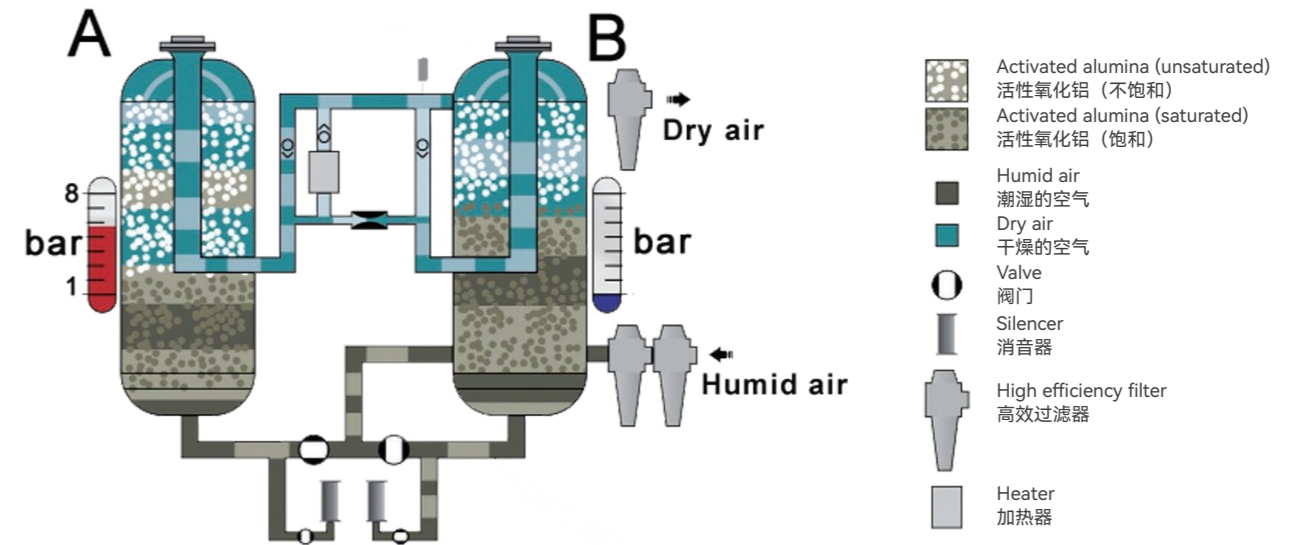


型号	OAD-1	OAD-2	OAD-3	OAD-6	OAD-8	OAD-10	OAD-13
Working pressure 工作压力 (bar)	2-13 (16bar, 20 bar, 30 bar can be customized 可以定制)						
Operating temperature 工作温度(°C)	45						
Processing capacity 处理量 (m³/min)	1	2	3	6	8	10	13
Air outlet diameter 出气口直径	G1"	G1"	G1"	G1.5"	G2"	G2"	G2"
Length 长度 (mm)	690	750	860	1010	1010	1240	1280
Width 宽度 (mm)	450	500	540	700	700	800	800
Height 高度 (mm)	1290	1324	1350	1558	1785	2232	2232
Weight 重量 (kg)	120	130	230	330	390	420	550

型号	OAD-15	OAD-20	OAD-25	OAD-30	OAD-40	OAD-50
Working pressure 工作压力 (bar)	2-13 (16bar, 20 bar, 30 bar can be customized 可以定制)					
Operating temperature 工作温度(°C)	45					
Processing capacity 处理量 (m³/min)	15	20	25	30	40	50
Air outlet diameter 出气口直径	DN65	DN65	DN80	DN80	DN100	DN100
Length 长度 (mm)	1280	1320	1700	1750	1850	1900
Width 宽度 (mm)	860	860	930	960	1060	1100
Height 高度 (mm)	2360	2477	2570	2626	2646	2750
Weight 重量 (kg)	650	970	1050	1150	1300	1500

ADSORPTION DRYER 吸附式干燥机

工作原理-吸干机
WORKING PRINCIPLE OF DRYING MACHINE



PRODUCT INTRODUCTION 产品介绍

吸附式干燥机采用双培养变压吸附微热再生工艺，在再生运行时将减压膨胀的干燥空气加热到一定的再生温度，使再生气获得更大的再生脱附能力，减少使用再生气。其工作原理是一个吸附塔在工作压力下进行吸附干燥，相应的另一吸附塔从总管中抽取少量压缩空气进行减压升温，作为再生气体排列进行再生，再生产生的干燥剂残留水分大大减少，增加了装置的处理能力。

The adsorption dryer adopts the process of double culture pressure swing adsorption and micro heat regeneration to heat the decompressed and expanded dry air to a certain regeneration temperature during regeneration operation, so that the regeneration gas can obtain a greater regeneration desorption capacity and reduce the use of regeneration gas.

Its working principle is that one adsorption tower performs adsorption and drying under working pressure, and correspondingly another adsorption tower extracts a small amount of compressed air from the main pipe and undergoes decompression and heating process, as the regeneration gas is aligned for micro-thermal regeneration. The residual water of the desiccant produced by micro-heat regeneration is greatly reduced, which increases the device's processing capacity.

FEATURES 特点

- 产品耗气率降低6%左右，更加节能
- 长周期切换模式，整机综合性能好
- 主要关键元器件采用国内外知名品牌，确保设备持续可靠运行；采用功率密度设计的电热元件，用于提高电加热的性能
- 电加热器采用温控保护，避免发热体烧毁
- 分子筛或活性氧化铝+分子筛双床露点切换模式
- 高露点报警、联锁
- 加热温度双重设定互锁
- 液晶显示，电脑上位机通讯接口
- The gas consumption rate of the product is about 6% lower, and it has energy-saving characteristics
- Long-period switching mode, good overall performance of the whole machine
- The main key components adopt well-known brands at home and abroad to ensure continuous and reliable operation of the device; electric heating elements designed with power density are used to improve the performance of electric heaters
- The electric heater adopts temperature control protection to avoid burning of the heating element
- Molecular sieve or activated alumina + molecular sieve double bed Dew point switching mode
- High dew point alarm, interlock
- Heating temperature double setting interlock
- LCD display, computer host computer communication interface

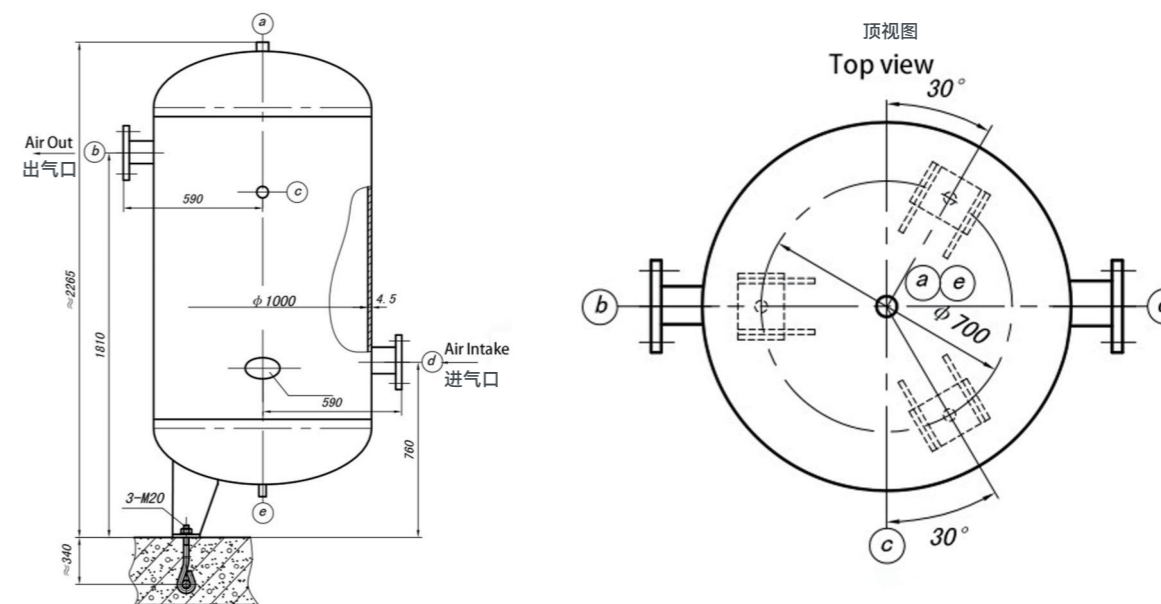
储气罐
AIR TANK



Model 型号	OAT-300/8	OAT-300/10	OAT-300/13	OAT-600/8	OAT-600/10	OAT-600/13
Capacity 容量 (L)	300L	300L	300L	600L	600L	600L
Working pressure 工作压力 (bar)	8	10	13	8	10	13
Height 高度 (mm)	1610	1610	1610	1905	1905	1905
Inner diameter 内径 (mm)	550	550	550	700	700	700
Weight (kg)	75	81	110	120	140	160

Model 型号	OAT-1000/8	OAT-1000/10	OAT-1000/13	OAT-1000/20	OAT-1000/30	OAT-1000/40
Capacity 容量 (L)	1000L	1000L	1000L	1000L	1000L	1000L
Working pressure 工作压力 (bar)	8	10	13	20	30	40
Height 高度 (mm)	2180	2180	2180	2180	2180	2180
Inner diameter 内径 (mm)	800	800	800	800	800	800
Weight (kg)	165	212	230	230	230	230

FEATURES 特点



- 1.稳压: 稳定空压机出口压力, 使气体压力更稳定
- 2.除湿: 去除压缩空气中的水分和油分, 起到过滤作用
- 3.节能: 空压机配备一个大小适中的储气罐, 减少启动次数, 达到节能效果

- 1.Voltage stabilization. Stabilize the outlet pressure of the air compressor to make the gas pressure more stable.
- 2.Dehumidification. Removes moisture and oil from the compressed air and plays a role off filtration
- 3.Energy saving. The air compressor is equipped with a set of moderately sized air storage tanks to reduce the number of starts and achieve energy-saving effects

Model 型号	OAT-2000/8	OAT-2000/10	OAT-2000/13	OAT-2000/20	OAT-2000/25	OAT-2000/30
Capacity 容量 (L)	2000L	2000L	2000L	2000L	2000L	2000L
Working pressure 工作压力 (bar)	8	10	13	20	25	30
Height 高度 (mm)	2860	2860	2860	2860	2860	2860
Inner diameter 内径 (mm)	1000	1000	1000	1000	1000	1000
Weight (kg)	370	390	465	465	465	465

Model 型号	OAT-3000/8	OAT-3000/10	OAT-3000/13	OAT-5000/8	OAT-5000/10	OAT-5000/13
Capacity 容量 (L)	3000L	3000L	3000L	5000L	5000L	5000L
Working pressure 工作压力 (bar)	8	10	13	8	10	13
Height 高度 (mm)	3020	3020	3020	3200	3200	3200
Inner diameter 内径 (mm)	1300	1300	1300	1600	1600	1600
Weight (kg)	510	703	850	890	1005	1021

