



TRUST COMES FROM QUALITY



**FIGHT FOR  
QUALITY**

**24-hour online service**

**Covering the domestic and overseas markets**

Service hotline: +86-18116210468

Website: [www.auliss.com.cn](http://www.auliss.com.cn)

Email: [info@auliss.com.cn](mailto:info@auliss.com.cn)

Shanghai Office: No.6, Lane 669, Mintu Road, Shihudang  
Town, Songjiang District, Shanghai

Henan Factory: No.300, Jianye Road, Wuzhi,  
Jiaozuo City, Henan Province, China.

SHANGHAI AULISS COMPRESSOR CO.,LTD.  
AULISS (HENAN) INTELLIGENT TECHNOLOGY CO., LTD.





### Spirit

- Positive Optimism Responsibility  
Obligation Persistence Learning

### Mission

- Continue to improve value and share it with colleagues and customers

Protect the earth, protect the blue sky and make contributions to energy conservation and environmental protection

### Vision

- Sustainable development, continuous learning and innovation

Strive to become a world-famous energy-saving air compressor brand

### Core values

- Be altruistic, love yourself, develop happily, be reasonable and trustworthy

Respect, responsible, united, grateful and introspective

### Philosophy

- Persistence Innovation Learning  
Integrity Focus Professionalism

### Service idea

- Focus on quality and attentive service  
Be responsible for customers and results

### Product concept

- Quality first, energy conservation and environmental protection

### Happiness concept

- Benefit, love and help others  
Make others and our inner hearts get more warmth

### Life philosophy

- Respect nature, love others, creating wealth and help others

China's energy-saving air compressor industry leader

About us

## China's energy-saving air compressor industry leader

Shanghai AULISS Compressor Co., Ltd. is a large enterprise specializing in the design, development and production of medium-high pressure, oil-free, low-pressure and atmospheric screw compressors. Its air end adopts German technology, and its products has a certain reputation in the market. It has been rated as "National Quality Stable and Qualified Product" and "Consumer Trustworthy Product" by China Association for Quality Inspection and China Consumers' Association. We also have passed the "ISO9001 International Quality System Certification" and "CE".

Our products are widely used in PET bottle blowing industry, CNG gas station, gas injection, marine exploration, hydropower station, leak detection and pressure test, shipbuilding, military and other industries. In response to the personalized needs of customers, Shanghai AULISS provides a variety of solutions to meet customers' requirements for product reliability, professionalism and customization. We will always stand at the forefront of technological innovation with a sense of advance, and we will always keep improving and pursue excellence.





China's energy-saving air compressor industry leader



INTEGRITY  
PERSISTENCE  
INNOVATION  
WIN-WIN COOPERATION

FOCUS  
PROFESSIONALISM  
LEARNING





### Atmospheric screw air compressor

Based on the concept of energy conservation, consumption reduction, stability and durability, AULISS atmospheric screw compressor adopts advanced air end and production technology to ensure reliable, stable and continuous operation and running of the compressors under various working conditions.



- **40%** reduction in energy consumption
- Lifetime up to **3** million times
- Unique oil and air separation design
- Intelligent control system

### Characteristics of atmospheric screw air compressor

- The air end adopts German technology and all models of air compressor adopt direct-connected transmission, which makes the operation more stable.
- Optimized motor casing design: all designs of the motor meet international standards; innovative rotor design reduces the power loss of the motor by 40%. Wide voltage adaptation range makes the compressor more energy-saving and the air supply pressure more constant.
- The unique oil and air separation design ensures that the Oil content(PPM) of exhaust air is less than 3PPM.
- The world famous brand electrical components, adopt silver contacts, with a service life of more than 3 million times, safe use is guaranteed for a long time.
- Professional industrial frequency converter: the energy-saving model of professional industrial frequency converter, the best technical design applied to the compressor, fully embodies the compressor technology of AULISS, makes the customer's return on investment greater, and minimizes the power consumption.
- AULISS intelligent control system: AULISS has expanded the relevant hardware and software based on PC control in response to the market demand for "technology automation", converted the status monitoring and operation data to the PC remote control platform, and provided a series of products and solutions for this purpose.

### Parameter of fixed speed screw air compressor

Model	ALS-08A	ALS-11A	ALS-15A	ALS-18.5A	ALS-22A	ALS-30A	ALS-30A
Air delivery(M <sup>3</sup> /min)	1.0/0.8	1.5/0.8	2.3/0.8	2.8/0.8	3.2/0.8	5.0/0.8	3.2/1.3
Discharge pressure(Mpa)	0.85/1.0	1.3/1.0	2.1/1.0	2.6/1.0	3.0/1.0	3.2/1.0	
	0.7/1.3	1.1/1.3	1.5/1.3	2.3/1.3	2.8/1.3	—	
Power(kW)	7.5	11	15	18.5	22	30	30
Voltage(V/Hz)	380/50(Other voltages are available)						
Starting mode	Direct starting	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
Driven mode	Direct						
Rotary speed	2960						
Oil content(PPM)	≤ 3						
Working environment temperature(°C)	-5~+45						
Exhaust temperature(°C)	≤ Ambient temperature+15						
Lubricant volume(L)	7	10	10	18	18	18	18
Noise[DB(A)]	64±2	68±2	68±2	68±2	68±2	68±2	68±2
Overall dimension [L*W*H(mm)]	760*620*840	1000*750*1000	1000*750*1000	1120*850*1160	1120*850*1160	1280*850*1160	1120*850*1160
Weight(KG)	140	240	240	310	310	400	310
Outlet pipe diameter	RP1/2	RP3/4	RP3/4	RP1	RP1	RP1	RP1

Model	ALS-37A	ALS-45A	ALS-45A	ALS-55A	ALS-75A	ALS-90A	ALS-110A
Air delivery(M <sup>3</sup> /min)	6.2/0.8	7.0/0.8	6.2/1.3	9.2/0.8	12.6/0.8	15.0/0.8	19.8/0.8
Discharge pressure(Mpa)	5.0/1.0	6.2/1.0		7.0/1.0	9.2/1.0	12.6/1.0	15.0/1.0
	5.0/1.3	—		7.0/1.3	9.2/1.3	12.6/1.3	15.0/1.3
Power(kW)	37	45	45	55	75	90	110
Voltage(V/Hz)	380/50(Other voltages are available)						
Starting mode	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
Driven mode	Direct						
Rotary speed	2960						
Oil content(PPM)	≤ 3						
Working environment temperature(°C)	-5~+45						
Exhaust temperature(°C)	≤ Ambient temperature+15						
Lubricant volume(L)	25	25	25	65	65	65	90
Noise[DB(A)]	68±2	72±2	72±2	76±2	76±2	76±2	86±2
Overall dimension [L*W*H(mm)]	1280*1000*1290	1400*1000*1290	1280*1000*1290	1900*1250*1560	1900*1250*1560	1900*1250*1560	2300*1470*1840
Weight(KG)	510	670	510	1000	1100	1200	1600
Outlet pipe diameter	RP1 1/2	RP1 1/2	RP1 1/2	RP2	RP2	RP2	RP2 1/2

Model	ALS-132A	ALSE-132A	ALS-160A	ALS-185A	ALS-220A	ALS-250A
Air delivery(M <sup>3</sup> /min)	23.2/0.8	23.2/0.8	27.6/0.8	30.4/0.8	34.3/0.8	40.5/0.8
Discharge pressure(Mpa)	19.8/1.0	19.8/1.0	23.2/1.0	27.6/1.0	30.4/1.0	34.3/1.0
	19.0/1.3	—	23.2/1.3	26.0/1.3	30.4/1.3	34.3/1.3
Power(kW)	132	132	160	185	220	250
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	90	90	110	110	150	150
Noise[DB(A)]	86±2	86±2	86±2	86±2	86±2	86±2
Overall dimension [L*W*H(mm)]	2300*1470*1840	1950*1420*1840	2300*1470*1840	2540*1640*1840	3200*1980*2150	3200*1980*2150
Weight(KG)	1800	1800	2000	2600	3600	3800
Outlet pipe diameter	RP2 1/2	DN65	RP2 1/2	RP2 1/2	DN100	DN100



## Permanent magnet variable frequency screw air compressor

The rotation speed of the air compressor motor is proportional to the actual power consumption, so the rotation speed reduction of the motor will decrease the actual power consumption. The permanent magnet variable frequency air compressor uses a pressure sensor to sense the actual pressure and air consumption in the system, further realizes the precise control of the electrical equipment and frequency converter; it changes the rotation speed of the air compressor without changing the torque of the air compressor motor, thus adjusts the system pressure to achieve the desired output of compressed air. When the air consumption decreases and the compressed air provided by the air compressor is greater than the air consumption, the permanent magnet variable frequency air compressor will reduce the speed, thus the output of compressed air is reduced; Otherwise, the motor speed will be increased to add the compressed air, so as to maintain a stable pressure. Its main features: saving power energy; greatly reduce the maintenance cost; constant pressure air supply can improve the production efficiency and product quality; extend the service life of the compressor; reduce noise and cost-effective.



## Characteristics of permanent magnet variable frequency air compressor

### Discharged pressure stable

Due to the stepless regulation characteristics of the frequency converter used by the permanent magnet variable-frequency screw air compressor, the pressure can be adjusted and controlled at high speed through the controller or PLD inside the frequency converter: compared with the upper limit switch control of the fix speed compressor, the stability of discharge pressure is exponentially improved.

### Start without impact

The frequency converter itself is a soft start device, the maximum starting current is about twice of the rated current, so the starting impact is very small compared with the power frequency starting which is generally more than 6 times of the rated current. This impact is not only on the power grid, but also on the entire mechanical system, which can be greatly reduced.

### More energy saving

Although each manufacturer of the screw air compressor adopts different energy-saving operation modes, the frequency converter adjusts the motor speed in real time according to the actual air consumption, the air compressor can be automatically dormant when the air consumption is low, which greatly reduces the energy loss.

### Low noise

The operating frequency is less than the power frequency for stable operation, so the noise of the compressor decreases and the wear is small; The requirements for the capacity of the air tank are also reduced.



## Parameter of permanent magnet variable frequency screw air compressor

Model	ALS-08A/YC	ALS-08A/FYC	ALS-11A/YC	ALS-11A/FYC	ALS-15A/YC	ALS-15A/FYC	ALS-18.5A/YC	ALS-18.5A/FYC
Air delivery(M <sup>3</sup> /min)	1.0/0.8	1.0/0.8	1.5/0.8	1.5/0.8	2.3/0.8	2.3/0.8	2.8/0.8	2.8/0.8
Discharge pressure(Mpa)	0.85/1.0	0.85/1.0	1.3/1.0	1.3/1.0	2.1/1.0	2.1/1.0	2.6/1.0	2.6/1.0
	0.7/1.3	0.7/1.3	—	1.1/1.3	—	1.5/1.3	—	2.3/1.3
Power(kW)	7.5	7.5	11	11	15	15	18.5	18.5
Voltage(V/Hz)	380/50(Other voltages are available)							
Starting mode	Variable frequency starting							
Driven mode	Direct							
Rotary speed	3000							
Oil content(PPM)	≤ 3							
Working environment temperature(°C)	-5~+45							
Exhaust temperature(°C)	≤ Ambient temperature+15							
Lubricant volume(L)	7	7	10	10	10	10	18	18
Noise[DB(A)]	64±2	64±2	68±2	68±2	68±2	68±2	68±2	68±2
Overall dimension [L*W*H(mm)]	760*620*840	850*700*920	1000*750*1000	1000*750*1000	1000*750*1000	1000*750*1000	1120*850*1160	1120*850*1160
Weight(KG)	140	160	240	240	240	240	310	310
Outlet pipe diameter	RP1/2	RP1/2	RP3/4	RP3/4	RP3/4	RP3/4	RP1	RP1



Model	ALS-22A/YC	ALS-22A/FYC	ALS-30A/YC	ALS-30A/FYC	ALS-37A/YC	ALS-37A/FYC	ALS-45A/YC	ALS-45A/FYC
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	3.2/0.8	3.2/0.8	5.0/0.8	5.0/0.8	6.2/0.8	6.2/0.8	7.0/0.8	7.0/0.8
	3.0/1.0	3.0/1.0	3.2/1.0	3.2/1.0	5.0/1.0	5.0/1.0	6.2/1.0	6.2/1.0
	—	2.8/1.3	—	3.2/1.3	—	5.0/1.3	—	6.2/1.3
Power(kW)	22	22	30	30	37	37	45	45
Voltage(V/Hz)	380/50(Other voltages are available)							
Starting mode	Variable frequency starting							
Driven mode	Direct							
Rotary speed	3000							
Oil content(PPM)	≤ 3							
Working environment temperature(°C)	-5~+45							
Exhaust temperature(°C)	≤ Ambient temperature+15							
Lubricant volume(L)	18	18	18	18	25	25	25	25
Noise[DB(A)]	68±2	68±2	68±2	68±2	68±2	68±2	72±2	72±2
Overall dimension [L*W*H (mm)]	1120*850*1160	1120*850*1160	1120*850*1160	1280*850*1160	1280*1000*1290	1280*1000*1290	1280*1000*1290	1400*1000*1290
Weight(KG)	310	310	310	400	510	510	510	670
Outlet pipe diameter	RP1	RP1	RP1	RP1	RP1 1/2	RP1 1/2	RP1 1/2	RP1 1/2

Model	ALS-55A/FYC	ALS-75A/FYC	ALS-90A/FYC	ALS-110A/FYC	ALS-132A/FYC	ALS-160A/FYC	ALS-185A/FYC	ALS-220A/FYC	ALS-250A/FYC
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	9.2/0.8	12.6/0.8	15.0/0.8	19.8/0.8	23.2/0.8	27.6/0.8	30.4/0.8	34.3/0.8	40.5/0.8
	7.0/1.0	9.2/1.0	12.6/1.0	15.0/1.0	19.8/1.0	23.2/1.0	27.6/1.0	30.4/1.0	34.3/1.0
	7.0/1.3	9.2/1.3	12.6/1.3	15.0/1.3	19.0/1.3	23.2/1.3	26.0/1.3	30.4/1.3	34.3/1.3
Power(kW)	55	75	90	110	132	160	185	220	250
Voltage(V/Hz)	380/50(Other voltages are available)								
Starting mode	Variable frequency starting								
Driven mode	Direct								
Rotary speed	3000								
Oil content(PPM)	≤ 3								
Working environment temperature(°C)	-5~+45								
Exhaust temperature(°C)	≤ Ambient temperature+15								
Lubricant volume(L)	65	65	65	90	90	110	110	150	150
Noise[DB(A)]	76±2	76±2	76±2	86±2	86±2	86±2	86±2	86±2	86±2
Overall dimension [L*W*H (mm)]	1900*1250*1560	1900*1250*1560	1900*1250*1560	2300*1470*1840	2300*1470*1840	2300*1470*1840	2540*1640*1840	3200*1980*2150	3200*1980*2150
Weight(KG)	1000	1100	1200	1600	1800	2000	2600	3600	3800
Outlet pipe diameter	RP2	RP2	RP2	RP2 1/2	RP2 1/2	RP2 1/2	RP2 1/2	DN100	DN100

## Low-pressure oil-free dry screw blower

After years of development and technological progress in modern textiles, the application technology of compressed air has become quite mature. In order to ensure the good operation of air-jet looms in textile enterprises, the compressed air should be controlled within a certain range, for the moisture, oil content, cleanliness and etc. The quality of compressed air commonly used in air-jet looms should meet the ISO8573-1 compressed air quality standard, and meet the requirements of level 4 based on classification of moisture content. Low-pressure oil-free dry screw blower is used for the construction and bidding of special tank cars in the fields of sewage treatment, industrial sewage treatment, desulfurization and deitration, textile texturing, galvanized gas knife, biological fermentation, gas pressurization, pulverized coal and mineral powder transportation.



**100% clean, 100% safe**

### Parameter of low pressure oil-free dry screw blower

PSI	3,000CFM Energy consumption required by gas volume		One year motor efficiency= .90 Energy costs/Kwh= \$ .90	
	Conventional blower	AULISS machine	Energy saving percentage	
8	130	125	3.8%	
9	145	140	3.4%	
10	162	154	4.9%	GardnerDenver
11	180	167	Oil-free screw	
12	195	180	0-2.5bar	
13	212	195	11-17m3/min	
14	230	210	1550-3600RPM	
15	245	222	Variable frequency / Y-Δ	
16	260	235	22~315kW	
17	276	249	XXX	
18	294	264	Length% × Width × Height(mm)	

Start mode	Inlet temperature of air end	Atmospheric temperature
Variable frequency	25°C	80%R.H.

**Investment recovery within 1 year**

**Maintenance-free in 100000 hours**

AULISS low pressure series screw air compressor is one of the most advanced models in China at present, with innovative design, better performance, longer operating life, meeting various operating conditions, pressure range (0.13-0.4Mpa), large exhaust capacity, energy saving, convenient installation, long service life, low noise, environmental protection and other characteristics, and is widely used in glass products, petrochemical, gas transportation, food processing, pharmaceutical gas transportation and crushing.

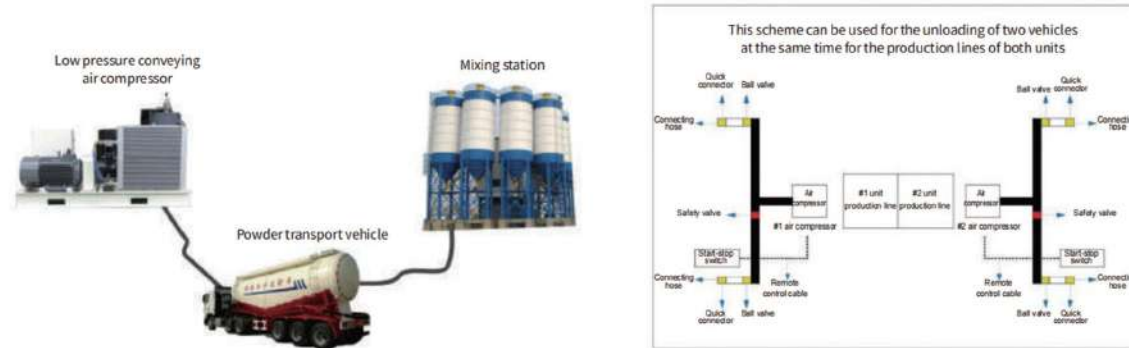




### Low-pressure conveying screw air compressor



Model	ALSL-37A	ALSL-45A	ALSL-55A
Air Delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	10/0.25	12/0.25	14/0.25
Power(kW)	37	45	55
Voltage(V/HZ)	380/50(Other voltages are available)		
Rotary speed	2950		
Oil content(PPM)	≤ 3		
Working environment temperature(°C)	-5~+45		
Exhaust temperature(°C)	82-91		
Lubricant volume(L)	38	38	53
Noise(DB(A))	78	78	79
Overall dimension [L*W*H (mm)]	1850*800*1300	1850*800*1300	1850*850*1300
Weight(KG)	650	770	950
Outlet pipe diameter	Rp1 1/2	Rp1 1/2	Rp 2



**01**  
Specific design

The special low pressure water-free design for building materials developed for the mixing plant has unique water removal process design, and the inappropriate process of industrial screw compressor has been eliminated.

**02**  
Power saving

The pneumatic conveying pressure of bulk materials at 0.2-0.5mpa will cause huge power waste of the air compressor. This type of air compressor can save power.

**03**  
Low noise

Effectively eliminate the largest noise source in the production site of the concrete station - diesel engine and screw air compressor.

**04**  
Drainage

The whole system does not need to add additional air tank, air dryer or oil-water separation equipment.

**05**  
Stable quality

Special high-efficiency energy-saving low-pressure screw air end is adopted, which can operate continuously for 24 hours and has a design life of 25 years.

**06**  
Environmental protection and energy conservation

Use electric energy to replace the fuel consumption of traditional models. Improve the conveying efficiency by more than 30%.

**07**

The conveying efficiency is increased by more than 30%

**08**

Level meter alarm intelligent linkage shutdown

### Medium-pressure screw air compressor



- Full screw design
- Super heavy duty bearing
- The air end has no leakage under high pressure

AULISS air end adopts the full screw design, super heavy duty bearing and labyrinth seal to ensure that the air end has no leakage under high pressure has no leakage. The built-in oil channel lubrication and internal pressure regulation are used to ensure that the lubrication of the compressor is safe, and to ensure the maximum performance of the cooling function of the compressor's lubricating oil. The whole compressor adopts the high-pressure cooler and special water-cooled way, which makes the compressor operate at low temperature under high pressure, greatly extending the service life of the compressor!



Model	Air delivery(M <sup>3</sup> /min) Maximum pressure (Mpa)	Power(kW)	Transmission mode
15A	0.7/2.0	15	Direct connection
22A	1.45/2.0	22	Direct connection
40A	2.0/2.0 2.2/2.5	30	Direct connection
50A	2.0/2.0 3.0/2.5	37	Direct connection
60A	4.0/2.5 2.8/3.0	45	Direct connection
75A	6.0/2.0 3.8/3.0	55	Direct connection
100A	5.6/3.0 7.0/2.5	75	Direct connection
125A	9.6/2.0 6.8/3.0	90	Direct connection
150A	9.3/2.5 12.0/2.0	110	Direct connection
175A	9.0/3.0 11.8/2.5	132	Direct connection
200A	11.6/3.0 14.0/2.5 16.4/2.0	160	Direct connection

### Medium-pressure combined screw air compressor

Medium-pressure combined screw air compressor (generally refers to air compressor with pressure above 1.3Mpa) is widely used in mining, plastic bottle blowing, bottle blowing of beverage factory, petrochemical and other industries. Because the manufacturing difficulty of medium pressure compressor is greater than that of normal compressor, there are relatively few manufacturers. In addition, the technical threshold is relatively high, and the user's choice is relatively much light. Therefore, AULISS has developed a medium-pressure screw air compressor. The maximum exhaust pressure can reach 30Mpa, especially suitable for PET bottle blowing, water and electricity, drilling, military and other fields. It is the best choice to replace the medium-pressure piston machine.





**Parameter of medium-pressure fixed speed screw air compressor**

Model	ALSM-11A	ALSM-15A	ALSM-22A	ALSM-37A	ALSM-45A	ALSM-55A
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	0.7/1.55	1.0/1.55	2.3/1.55	3.2/1.55	5.0/1.55	6.2/1.55
Power(kW)	11	15	22	37	45	55
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	10	10	18	25	25	65
Noise[DB(A)]	68±2	68±2	68±2	68±2	72±2	76±2
Overall dimension [L*W*H(mm)]	1000*750*1000	1000*750*1000	1120*850*1160	1280*1000*1290	1280*1000*1290	1900*1250*1560
Weight(KG)	240	240	310	510	510	1000
Outlet pipe diameter	RP3/4	RP3/4	RP1	RP1 1/2	RP1 1/2	RP2

**Parameter of medium-pressure permanent magnet variable frequency screw air compressor**

Model	ALSM-11A/FYC	ALSM-15A/FYC	ALSM-22A/FYC	ALSM-37A/FYC	ALSM-45A/FYC	ALSM-55A/FYC
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	0.7/1.55	1.0/1.55	2.3/1.55	3.2/1.55	5.0/1.55	6.2/1.55
Power(kW)	11	15	22	37	45	55
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Variable frequency starting					
Driven mode	Direct					
Rotary speed	3000					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	10	10	10	25	25	65
Noise[DB(A)]	68±2	68±2	68±2	68±2	72±2	76±2
Overall dimension [L*W*H (mm)]	1000*750*1000	1000*750*1000	1000*750*1000	1280*1000*1290	1400*1000*1290	1900*1250*1560
Weight(KG)	240	240	240	510	670	1000
Outlet pipe diameter	RP3/4	RP3/4	RP3/4	RP1 1/2	RP1 1/2	RP2

**Parameter of combined fixed speed screw air compressor**

Model	ALSC-08A	ALSC-11A	ALSC-11A	ALSC-15A	ALSC-15A	ALSC-22A	ALSC-22A
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	1.0/0.8 0.85/1.0 0.7/1.3	1.5/0.8 1.3/1.0 —	1.1/1.3	2.3/0.8 2.1/1.0 —	1.5/1.3	3.2/0.8 3.0/1.0 —	2.8/1.3
Power(kW)	7.5	11	11	15	15	22	22
Voltage(V/Hz)	380/50(Other voltages are available)						
Starting mode	Y-Δ						
Driven mode	Direct						
Rotary speed	2960						
Oil content(PPM)	≤ 3						
Working environment temperature(°C)	-5~+45						
Exhaust temperature(°C)	≤ Ambient temperature+15						
Lubricant volume(L)	7	10	10	10	10	18	18
Noise[DB(A)]	64±2	64±2	64±2	64±2	64±2	68±2	68±2
Overall dimension [L*W*H (mm)]	1770*620*1350	1770*770*1500	1850*770*1500	1770*770*1500	1850*770*1500	1850*850*1760	1850*850*1760
Weight(KG)	260	400	400	450	450	550	500
Outlet pipe diameter	RP3/4	RP3/4	RP3/4	RP3/4	RP3/4	RP1 1/2	RP3/4

**Parameter of combined permanent magnet variable frequency screw air compressor**

Model	ALSC-08A/YC	ALSC-11A/YC	ALSC-11A/FYC	ALSC-15A/YC	ALSC-15A/FYC	ALSC-22A/YC	ALSC-22A/FYC
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	1.0/0.8 0.85/1.0 0.7/1.3	1.5/0.8 1.3/1.0 —	1.1/1.3	2.3/0.8 2.1/1.0 —	1.5/1.3	3.2/0.8 3.0/1.0 —	— 2.8/1.3 —
Power(kW)	7.5	11	11	15	15	22	22
Voltage(V/Hz)	380/50(Other voltages are available)						
Starting mode	Variable frequency starting						
Driven mode	Direct						
Rotary speed	3000						
Oil content(PPM)	≤ 3						
Working environment temperature(°C)	-5~+45						
Exhaust temperature(°C)	≤ Ambient temperature+15						
Lubricant volume(L)	7	10	10	10	10	18	18
Noise[DB(A)]	64±2	64±2	64±2	64±2	64±2	68±2	68±2
Overall dimension [L*W*H (mm)]	1770*620*1350	1770*770*1500	1850*770*1500	1770*770*1500	1850*770*1500	1850*850*1760	1850*770*1600
Weight(KG)	260	400	400	450	450	550	500
Outlet pipe diameter	RP3/4	RP3/4	RP3/4	RP3/4	RP3/4	RP1 1/2	RP3/4



**Parameter of combined medium-pressure fixed speed screw air compressor**

Model	ALSMC-11A	ALSMC-15A	ALSMC-22A
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	0.7/1.55	1.0/1.55	2.3/1.55
Power(kW)	11	15	22
Voltage(V/Hz)	380/50(Other voltages are available)		
Starting mode	Y-Δ		
Driven mode	Direct		
Rotary speed	2960		
Oil content(PPM)	≤ 3		
Working environment temperature(°C)	-5~+45		
Exhaust temperature(°C)	≤ Ambient temperature+15		
Lubricant volume(L)	10	10	18
Noise[DB(A)]	64±2	64±2	68±2
Overall dimension [L*W*H (mm)]	1850*770*1500	1850*770*1500	1850*850*1760
Weight(KG)	400	450	500
Outlet pipe diameter	RP3/4	RP3/4	RP3/4

**Parameter of combined medium-pressure permanent magnet variable frequency screw air compressor**

Model	ALSMC-11A/FYC	ALSMC-15A/FYC	ALSMC-22A/FYC
Air delivery(M <sup>3</sup> /min) Discharge pressure(Mpa)	0.7/1.55	1.0/1.55	2.3/1.55
Power(kW)	11	15	22
Voltage(V/Hz)	380/50(Other voltages are available)		
Starting mode	Variable frequency starting		
Driven mode	Direct		
Rotary speed	3000		
Oil content(PPM)	≤ 3		
Working environment temperature(°C)	-5~+45		
Exhaust temperature(°C)	≤ Ambient temperature+15		
Lubricant volume(L)	10	10	18
Noise[DB(A)]	64±2	64±2	68±2
Overall dimension [L*W*H (mm)]	1850*770*1500	1850*770*1500	1850*770*1500
Weight(KG)	400	450	500
Outlet pipe diameter	RP3/4	RP3/4	RP3/4

**Portable screw air compressor**

AULISS portable screw air compressor is one of the most advanced models at home and abroad, and is an ideal product for the users. It adopts the most advanced rotor profile in the world, make it has ideal force balance. It is the most fundamental and reliable guarantee for the long-term trouble-free operation of the machine.

- The stable design of direct-connected transmission is more suitable for frequent startup and 24-hour continuous operation.
- Humanized mobile integration reduces purchase cost.
- German technology air end and microcomputer control system make operation and monitoring more convenient.
- The independent oil and air cooling system makes the operating temperature of the air end lower.
- The unique noise control system of ultra-low vibration technology makes the noise smaller and lower.
- Easy operation, clear operation status, convenient and fast maintenance.
- The walking system of AULISS is convenient for transportation, reduces the transportation cost, and does not need to be guarded by special personnel.


**Parameter of diesel portable screw air compressor**

Model	ALSDP-7.5/8	ALSDP-10/8	ALSDP-10/12	ALSDP-13/8	ALSDP-13/14.5	ALSDP-15/8	ALSDP-15/13	ALSDP-12/15	ALSDP-15/17
Air delivery (M <sup>3</sup> /min)/ Discharge pressure(Mpa)	7.5/0.8	10/0.8	10/1.2	13/0.8	13/1.45	15/0.8	15/1.3	12/1.5	15/1.7
Power(kW)	58	58	78	110	118	110	110	110	162
Voltage(V/Hz)	380/50(Other voltages are available)								
Starting mode	Diesel engine starting								
Driven mode	Direct								
Rotary speed	2000								
Oil content(PPM)	≤ 3								
Working environment temperature(°C)	-5~+45								
Exhaust temperature(°C)	≤ Ambient temperature+15								
Lubricant volume(L)	56	56	56	72	72	72	72	72	72
Overall dimension [L*W*H (mm)]	2100*1700*1650	2100*1700*1650	2100*1700*1650	3350*1700*2050	3350*1700*2050	3350*1700*1650	3350*1700*1650	3350*1700*1650	3650*1800*2150
Weight(KG)	1400	1500	2000	2300	2480	2550	2550	2550	2800
Outlet pipe diameter	G3/4-G1 1/2	G3/4-G1 1/2	G3/4-G1 1/2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2



Model	ALSDP-20/13	ALSDP-24/8	ALSDP-17/18	ALSDP-20/15	ALSDP-18/18	ALSDP-20/18	ALSDP-24/13	ALSDP-24/22	ALSDP-20/8
Air delivery (M <sup>3</sup> /min)/ Discharge pressure(Mpa)	20/1.3	24/0.8	17/1.8	20/1.5	18/1.8	20/1.8	24/1.3	24/2.2	20/0.8
Power(kW)	162	162	162	162	162	194	194	238	140
Voltage(V/Hz)	380/50(Other voltages are available)								
Starting mode	Diesel engine starting								
Driven mode	Direct								
Rotary speed	2000								
Oil content(PPM)	≤ 3								
Working environment temperature(°C)	-5~+45								
Exhaust temperature(°C)	≤ Ambient temperature+15								
Lubricant volume(L)	72	72	72	72	72	100	100	150	72
Overall dimension [L*W*H (mm)]	3650*1800*2150	3650*1800*2150	3650*1800*2150	3650*1800*2150	3650*1800*2150	3650*1800*2150	3650*1800*2150	3650*1800*2150	3350*1700*2050
Weight(KG)	3200	3200	3200	3200	3200	3200	3200	2600	2600
Outlet pipe diameter	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2

Model	ALSDP-15/15	ALSDP-17/13	ALSDP-15/18	ALSDP-18/13	ALSDP-35/10	ALSDP-35/18	ALSDP-29/24	ALSDP-31/25
Air delivery (M <sup>3</sup> /min)/ Discharge pressure(Mpa)	15/1.5	17/1.3	15/1.8	18/1.3	35/1.0	35/1.8	29/2.4	31/2.5
Power(kW)	140	140	140	140	194	295	295	295
Voltage(V/Hz)	380/50(Other voltages are available)							
Starting mode	Diesel engine starting							
Driven mode	Direct							
Rotary speed	2000							
Oil content(PPM)	≤ 3							
Working environment temperature(°C)	-5~+45							
Exhaust temperature(°C)	≤ Ambient temperature+15							
Lubricant volume(L)	72	72	72	72	100	150	150	150
Overall dimension [L*W*H (mm)]	3350*1700*2050	3350*1700*1650	3350*1700*1650	3350*1700*1650	4000*2050*2600	4000*2050*2600	4000*2050*2600	4000*2050*2600
Weight(KG)	2600	2600	2800	2800	4000	4000	4000	4000
Outlet pipe diameter	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G2-G2 1/2	G2-G2 1/2	G2-G2 1/2	G2-G2 1/2

**Parameter of electric portable screw air compressor**

Model	ALSEP-10/8	ALSEP-13/8	ALSEP-10/13	ALSEP-13/15	ALSEP-16/8	ALSEP-13/14.5
Air delivery(M <sup>3</sup> /min)/ Discharge pressure(Mpa)	10/0.8	13/0.8	10/1.3	13/1.5	16/0.8	13/1.45
Power(kW)	55	75	75	75	90	90
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	56	56	56	56	56	56
Noise[DB(A)]	72±2					
Overall dimension [L*W*H (mm)]	2950*1560*1850	3150*1500*1950	3150*1500*1950	3150*1500*1950	3150*1500*1950	3150*1500*1950
Weight(KG)	1600	1700	1700	1700	1800	1800
Outlet pipe diameter	G3/4-G1 1/2	2-G1 1/2	2-G1 1/2	2-G1 1/2	2-G1 1/2	2-G1 1/2

Model	ALSEP-16/14	ALSEP-20/8	ALSEP-16/13	ALSEP-16/17	ALSEP-17/13	ALSEP-24/8
Air delivery(M <sup>3</sup> /min)/ Discharge pressure(Mpa)	16/1.4	20/0.8	16/1.3	16/1.7	17/1.3	24/0.8
Power(kW)	90	110	110	132	132	132
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	56	72	72	72	72	72
Noise[DB(A)]	72±2					
Overall dimension [L*W*H (mm)]	3150*1500*1950	3150*1500*1950	3150*1500*1950	3150*1500*1950	3150*1500*1950	3500*1700*2050
Weight(KG)	2000	2000	2000	2000	2000	2500
Outlet pipe diameter	2-G1 1/2	2-G1 1/2	2-G1 1/2	2-G1 1/2	2-G1 1/2	2-G1 1/2

Model	ALSEP-24/13	ALSEP-18/17	ALSEP-24/22	ALSEP-18/18	ALSEP-20/18
Air delivery(M <sup>3</sup> /min)/ Discharge pressure(Mpa)	24/1.3	18/1.7	24/2.2	18/1.8	20/1.8
Power(kW)	185	185	185	132	132
Voltage(V/Hz)	380/50(Other voltages are available)				
Starting mode	Y-Δ				
Driven mode	Direct				
Rotary speed	2960				
Oil content(PPM)	≤ 3				
Working environment temperature(°C)	-5~+45				
Exhaust temperature(°C)	≤ Ambient temperature+15				
Lubricant volume(L)	110	110	110	72	72
Noise[DB(A)]	84±2				
Overall dimension [L*W*H (mm)]	3500*1700*2050	3500*1700*2050	3500*1700*2050	3500*1700*2050	3500*1700*2050
Weight(KG)	3000	3000	3000	3000	3000
Outlet pipe diameter	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2	G1 1/2-G2



## Water-lubricated oil-free screw air compressor

AULISS oil-free screw air compressor adopts the water-lubricated screw air end developed by German technology. The screw, shell and pipe are made of stainless steel, which is corrosion resistant and does not deform under high and low temperatures. Independent lubricating water channel and silicon carbide sliding bearing are used inside to minimize the wear of the air end, reduce air pollution, increase the air flow rate.

High quality water separation and water softening system are used to add the separation velocity of air-water separator to achieve the best water separation effect.



## Characteristics of water-lubricated

- Close to isothermal compression, exhaust temperature is about 50 degrees, power consumption is low, and air production is large.
- The air end is designed to be balanced without axial force, which can prolong the service life of the air end and ensure the service life to be more than 50000 hours.
- Water-lubricated seal, absolutely oil-free guarantee, without any lubricating oil.
- Extremely low maintenance costs. (consumables: water, water filter, air filter)
- Low noise, low vibration.
- The water inlet and drainage system is controlled by computer and automatically adds or discharges water to ensure the normal operation of the air compressor.
- Adopt the dual system design of air cooling and water cooling to ensure that customers can use and install easily.

## Parameters of water-lubricated oil-free fixed speed screw air compressor

Model	ALSW-08A	ALSW-11A	ALSW-15A	ALSW-18.5A	ALSW-22A	ALSW-30A
Air delivery(M <sup>3</sup> /min)	1.15/0.8	1.55/0.8	2.30/0.8	3.10/0.8	3.42/0.8	5.05/0.8
Discharge pressure(Mpa)	1.02/1.0	1.32/1.0	2.12/1.0	2.62/1.0	3.15/1.0	4.20/1.0
	0.81/1.3	1.01/1.3	1.60/1.3	2.10/1.3	2.62/1.3	3.18/1.3
Power(kW)	7.5	11	15	18.5	22	30
Voltage(V/HZ)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	10	26	26	30	30	40
Noise[DB(A)]	58	60	63	65	65	67
Overall dimension [L*W*H (mm)]	800*800*1200	1150*755*1340	1150*755*1340	1400*900*1450	1400*900*1450	1550*1150*1550(A) 1500*1150*1300(W)
Weight(KG)	470	580	650	705	745	1100
Outlet pipe diameter	RP3/4	RP3/4	RP3/4	RP1	RP1	RP1 1/4

Model	ALSW-37A	ALSW-45A	ALSW-55A	ALSW-75A	ALSW-90A	ALSW-110A
Air delivery(M <sup>3</sup> /min)	6.10/0.8	7.60/0.8	9.60/0.8	13.00/0.8	16.25/0.8	19.5/0.8
Discharge pressure(Mpa)	5.25/1.0	6.15/1.0	8.55/1.0	11.42/1.0	14.55/1.0	16.80/1.0
	4.85/1.3	5.65/1.3	7.45/1.3	9.85/1.3	12.30/1.3	15.15/1.3
Power(kW)	37	45	55	75	90	110
Voltage(V/HZ)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	40	90	120	120	180	180
Noise[DB(A)]	67	68	70	73	73	78
Overall dimension [L*W*H (mm)]	1550*1150*1550(A) 1500*1150*1300(W)	1980*1300*1760(A) 1800*1300*1670(W)	1980*1300*1760(A) 1800*1300*1670(W)	2100*1600*1900(A) 2200*1500*1800(W)	2400*1600*2000(A) 2200*1500*1800(W)	3000*1700*2250(A) 2200*1500*1800(W)
Weight(KG)	1150	1390	1470	2250/1630	2650/2350	3150/2460
Outlet pipe diameter	RP1 1/4	RP2	RP2	RP2	RP2 1/2	RP2 1/2

Model	ALSW-132A	ALSW-160A	ALSW-185A	ALSW-200A	ALSW-220A	ALSW-250A
Air delivery(M <sup>3</sup> /min)	22.52/0.8	28.11/0.8	33.65/0.8	36.63/0.8	39.50/0.8	40.50/0.8
Discharge pressure(Mpa)	20.30/1.0	24.50/1.0	28.50/1.0	32.75/1.0	35.80/1.0	36.30/1.0
	18.25/1.3	22.15/1.3	24.50/1.3	27.50/1.3	29.50/1.3	32.50/1.3
Power(kW)	132	160	185	200	220	250
Voltage(V/HZ)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	2960					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	240	240	300	300	360	360
Noise[DB(A)]	78	80	80	80	80	80
Overall dimension [L*W*H (mm)]	3000*1700*2250(A) 2200*1500*1800(W)	2700*1800*2050	2700*1800*2050	2700*1800*2050	2700*1800*2050	2700*1800*2050
Weight(KG)	3500/2500	3700	3750	3900	4200	4600
Outlet pipe diameter	RP2 1/2	DN80	DN80	DN100	DN100	DN100



**Parameter of water-lubricated oil-free permanent magnet variable frequency screw air compressor**

Model	ALSW-08A/FYC	ALSW-11A/FYC	ALSW-15A/FYC	ALSW-18.5A/FYC	ALSW-22A/FYC	ALSW-30A/FYC
Air delivery(M <sup>3</sup> /min)	1.15/0.8	1.55/0.8	2.30/0.8	3.10/0.8	3.42/0.8	5.05/0.8
Discharge pressure(Mpa)	1.02/1.0	1.32/1.0	2.12/1.0	2.62/1.0	3.15/1.0	4.20/1.0
	0.81/1.3	1.01/1.3	1.60/1.3	2.10/1.3	2.62/1.3	3.18/1.3
Power(kW)	7.5	11	15	18.5	22	30
Voltage(V/HZ)	380/50(Other voltages are available)					
Starting mode	Variable frequency starting					
Driven mode	Direct					
Rotary speed	3000					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	10	26	26	30	30	40
Noise[DB(A)]	58	60	63	65	65	67
Overall dimension [L*W*H (mm)]	800*800*1200	1150*755*1340	1150*755*1340	1400*900*1450	1400*900*1450	1550*1150*1550(A)
						1500*1150*1300(W)
Weight(KG)	510	620	670	730	780	1150
Outlet pipe diameter	RP3/4	RP3/4	RP3/4	RP1	RP1	RP1 1/4

Model	ALSW-37A/FYC	ALSW-45A/FYC	ALSW-55A/FYC	ALSW-75A/FYC	ALSW-90A/FYC	ALSW-110A/FYC
Air delivery(M <sup>3</sup> /min)	6.10/0.8	7.60/0.8	9.60/0.8	13.00/0.8	16.25/0.8	19.5/0.8
Discharge pressure(Mpa)	5.25/1.0	6.15/1.0	6.15/1.0	11.42/1.0	14.55/1.0	16.80/1.0
	4.85/1.3	5.65/1.3	7.45/1.3	9.85/1.3	12.30/1.3	15.15/1.3
Power(kW)	37	45	55	75	90	110
Voltage(V/HZ)	380/50(Other voltages are available)					
Starting mode	Variable frequency starting					
Driven mode	Direct					
Rotary speed	3000					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	40	90	120	120	180	180
Noise[DB(A)]	67	68	70	73	73	78
Overall dimension [L*W*H (mm)]	1550*1150*1550(A)	1980*1300*1760(A)	1980*1300*1760(A)	2100*1600*1900(A)	2400*1600*2000(A)	3000*1700*2250(A)
	1500*1150*1300(W)	1800*1300*1680(W)	1800*1300*1680(W)	2200*1500*1800(W)	2200*1550*1800(W)	2200*1550*1800(W)
Weight(KG)	1200	1490	1570	2250/1750	3150/2450	3150/2580
Outlet pipe diameter	RP1 1/4	RP2	RP2	RP2	RP2 1/2	RP2 1/2

Model	ALSW-132A/FYC	ALSW-160A/FYC	ALSW-185A/FYC	ALSW-200A/FYC	ALSW-220A/FYC	ALSW-250A/FYC
Air delivery(M <sup>3</sup> /min)	22.52/0.8	28.11/0.8	33.65/0.8	36.63/0.8	39.50/0.8	40.50/0.8
Discharge pressure(Mpa)	20.30/1.0	24.50/1.0	28.50/1.0	32.75/1.0	35.80/1.0	36.30/1.0
	18.25/1.3	22.15/1.3	24.50/1.3	27.50/1.3	29.50/1.3	32.50/1.3
Power(kW)	132	160	185	200	220	250
Voltage(V/HZ)	380/50(Other voltages are available)					
Starting mode	Variable frequency starting					
Driven mode	Direct					
Rotary speed	3000					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	240	240	300	300	360	360
Noise[DB(A)]	78	80	80	80	80	80
Overall dimension [L*W*H (mm)]	3000*1700*2250(A)	2700*1800*2050	2700*1800*2050	2700*1800*2050	2700*1800*2050	2700*1800*2050
	2200*1550*1800(W)					
Weight(KG)	3500/2700	3900	4050	4200	4400	4800
Outlet pipe diameter	RP2 1/2	DN80	DN80	DN100	DN100	DN100

**Two-stage energy-saving screw air compressor**

70% of industrial electricity is from motor consumption, while compressed air consumes 10-20% of industrial electricity. Compressor energy consumption accounts for 70% of the total life cycle cost; The procurement cost of air compressor only accounts for 12%. At present, 90% of the air compressors used by customers are traditional air compressors without energy efficiency test, which causes a lot of waste every year.



- The cutting-edge two-stage compression technology leads the world in energy-saving effect.
- Two-stage compressor with German technology, advanced processing technology and the latest patented profile.
- Efficient energy-saving 4P motor, low speed, high torque, low noise.
- Nano air filter can reduce intake pressure loss and increase intake volume.
- Low-load starting technology, lower starting current, reduce the impact on the power grid.
- Unique wide voltage start design has wider range of voltage adaptation.
- Capacity commissioning +ON/OFF control air intake system.



**Parameter of two-stage fixed speed screw air compressor**

Model	ALS-22A II	ALS-37A II	ALS-45A II	ALS-55A II	ALS-75A II	ALS-90A II	ALS-110A II
Air delivery(M <sup>3</sup> /min)	4.1/0.8	7.3/0.8	10.0/0.8	12.5/0.8	16.0/0.8	20.0/0.8	23.0/0.8
Discharge pressure(Mpa)	3.5/1.0 3.2/1.3	6.1/1.0 5.8/1.3	7.3/1.0 7.0/1.3	10.0/1.0 9.2/1.3	12.5/1.0 12.0/1.3	16.0/1.0 15.5/1.3	20.0/1.0 19.2/1.3
Power(kW)	22	37	45	55	75	90	110
Voltage(V/Hz)	380/50(Other voltages are available)						
Starting mode	Y-Δ						
Driven mode	Direct						
Rotary speed	1480						
Oil content(PPM)	≤ 3						
Working environment temperature(°C)	-5~+45						
Exhaust temperature(°C)	≤ Ambient temperature+15						
Lubricant volume(L)	18	25	65	65	65	90	90
Noise[DB(A)]	64±2	64±2	68±2	68±2	68±2	68±2	72±2
Overall dimension [L*W*H (mm)]	1560*1000*1160	1750*1150*1290	1960*1300*1560	1960*1300*1560	1960*1300*1560	2360*1620*1940	2360*1620*1940
Weight(KG)	450	650	1200	1400	1800	2000	2200
Outlet pipe diameter	RP1	RP1 1/2	RP2	RP2	RP2	RP2 1/2	RP2 1/2

Model	ALS-132A II	ALS-160A II	ALS-185A II	ALS-200A II	ALS-220A II	ALS-250A II
Air delivery(M <sup>3</sup> /min)	27.0/0.8	32.0/0.8	39.0/0.8	41.0/0.8	44.0/0.8	51.0/0.8
Discharge pressure(Mpa)	23.0/1.0 22.0/1.3	27.0/1.0 26.4/1.3	32.0/1.0 31.0/1.3	39.0/1.0 37.6/1.3	41.0/1.0 40.0/1.3	44.0/1.0 43.0/1.3
Power(kW)	132	160	185	200	220	250
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	1480					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	90	110	150	150	150	150
Noise[DB(A)]	72±2	75±2	75±2	85±2	85±2	85±2
Overall dimension [L*W*H (mm)]	2360*1620*1940	2550*1560*1920	3250*2030*2150	3250*2030*2150	3650*2030*2150	3650*2030*2150
Weight(KG)	2400	2600	3500	4000	4200	4500
Outlet pipe diameter	RP2 1/2	RP2 1/2	DN85	DN100	DN100	DN125

**Parameter of two-stage permanent magnet variable frequency screw air compressor**

Model	ALS-22A/FYC II	ALS-37A/FYC II	ALS-45A/FYC II	ALS-55A/FYC II	ALS-75A/FYC II	ALS-90A/FYC II	ALS-110A/FYC II
Air delivery(M <sup>3</sup> /min)	4.1/0.8	7.3/0.8	10.0/0.8	12.5/0.8	16.0/0.8	20.0/0.8	23.0/0.8
Discharge pressure(Mpa)	3.5/1.0 3.2/1.3	6.1/1.0 5.8/1.3	7.3/1.0 7.0/1.3	10.0/1.0 9.2/1.3	12.5/1.0 12.0/1.3	16.0/1.0 15.5/1.3	20.0/1.0 19.2/1.3
Power(kW)	22	37	45	55	75	90	110
Voltage(V/Hz)	380/50(Other voltages are available)						
Starting mode	Variable frequency starting						
Driven mode	Direct						
Rotary speed	1500						
Oil content(PPM)	≤ 3						
Working environment temperature(°C)	-5~+45						
Exhaust temperature(°C)	≤ Ambient temperature+15						
Lubricant volume(L)	18	18	65	65	65	90	90
Noise[DB(A)]	64±2	64±2	68±2	68±2	68±2	68±2	72±2
Overall dimension [L*W*H (mm)]	1560*1000*1160	1750*1150*1290	1960*1300*1560	1960*1300*1560	1960*1300*1560	2360*1620*1940	2360*1620*1940
Weight(KG)	450	650	1200	1400	1800	2000	2200
Outlet pipe diameter	RP1	RP1 1/2	RP2	RP2	RP2	RP2 1/2	RP2 1/2

Model	ALS-132A/FYC II	ALS-160A/FYC II	ALS-185A/FYC II	ALS-200A/FYC II	ALS-220A/FYC II	ALS-250A/FYC II
Air delivery(M <sup>3</sup> /min)	27.0/0.8	32.0/0.8	39.0/0.8	41.0/0.8	44.0/0.8	51.0/0.8
Discharge pressure(Mpa)	23.0/1.0 22.0/1.3	27.0/1.0 26.4/1.3	32.0/1.0 31.0/1.3	39.0/1.0 37.6/1.3	41.0/1.0 40.0/1.3	44.0/1.0 43.0/1.3
Power(kW)	132	160	185	200	220	250
Voltage(V/Hz)	380/50(Other voltages are available)					
Starting mode	Y-Δ					
Driven mode	Direct					
Rotary speed	1500					
Oil content(PPM)	≤ 3					
Working environment temperature(°C)	-5~+45					
Exhaust temperature(°C)	≤ Ambient temperature+15					
Lubricant volume(L)	90	110	150	150	150	150
Noise[DB(A)]	72±2	75±2	75±2	85±2	85±2	85±2
Overall dimension [L*W*H (mm)]	2360*1620*1940	2550*1560*1920	3250*2030*2150	3250*2030*2150	3650*2030*2150	3650*2030*2150
Weight(KG)	2400	2600	3500	4000	4200	4500
Outlet pipe diameter	RP2 1/2	RP2 1/2	DN85	DN100	DN100	DN125



### ○ Air suspension centrifugal blower

The highly integrated permanent magnet drive system, intelligent control system, pneumatic device and air suspension bearing independently developed by the whole system, which has intelligent interaction and remote control functions, and also has the advantages of energy efficiency, oil-free and maintenance-free, wide adjustment range, small size, low noise, etc.

**High efficiency**  
High-speed permanent magnet drive system with high efficiency, high power density, lightweight, long life and high environmental affinity can effectively replace the asynchronous system, bringing excellent experience to customers.

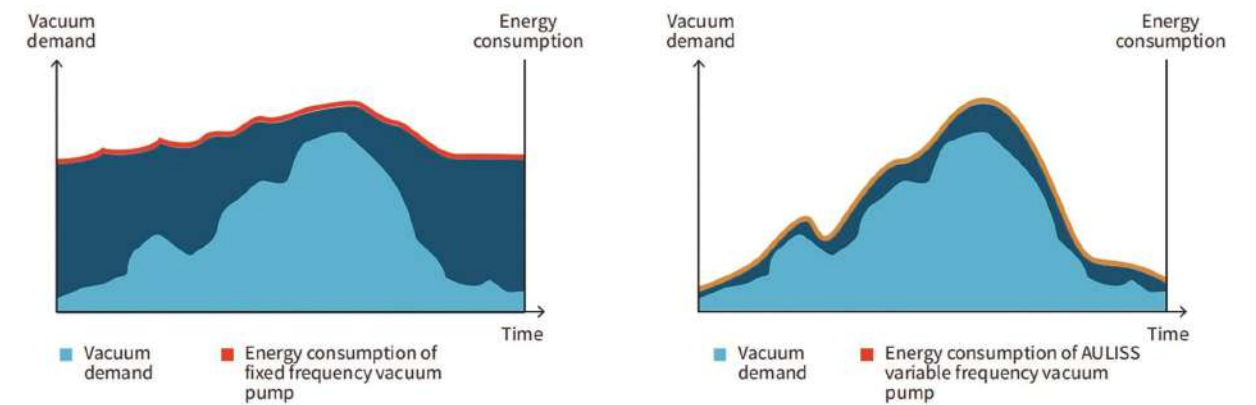
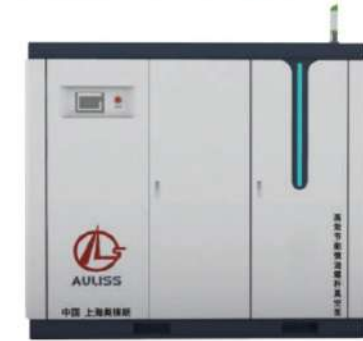
**Intelligent control system**  
The four-tier architecture of power supply, human-computer interaction, control and drive, and the highly reliable human-computer interaction design combining physical and virtual control can improve the timeliness of system operation monitoring.

**Pneumatic device**  
The aerodynamic characteristics of centrifugal blower at different speed range are accurately analyzed by using the design theory of centrifugal three-dimensional flow free-form surface impeller and CFD full-flow numerical calculation optimization method.

**Air suspension bearing**  
The air suspension bearing can realize oil-free and friction-free operation with long life cycle, efficient operation and high environmental affinity.

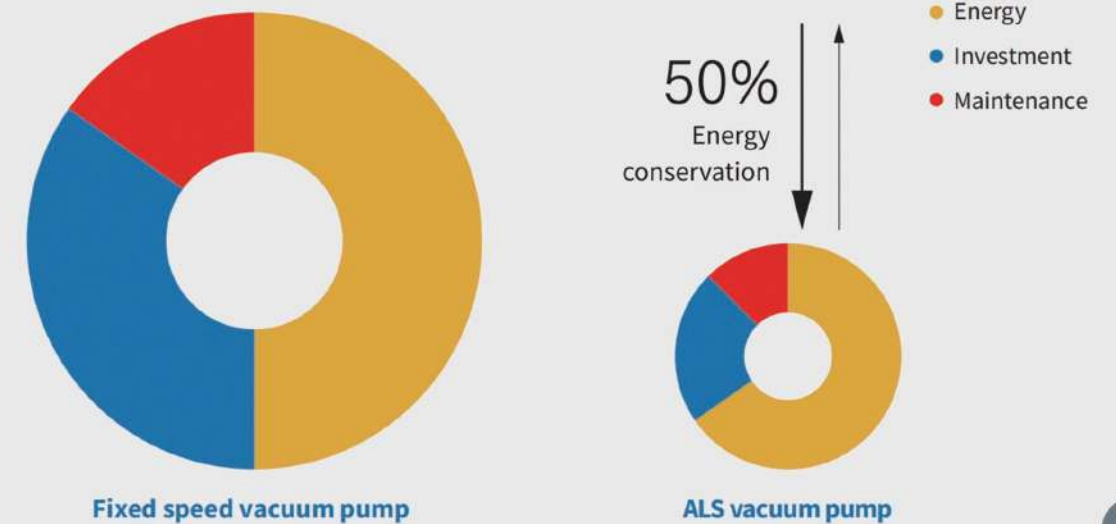
### ○ Micro-oil screw vacuum pump

The demand for vacuum in almost all production environments will fluctuate with different factors on different days every year or every month or even every week. Through the investigation and in-depth measurement of a large number of demand curves, it is found that vacuum demand fluctuates to varying degrees.



### ○ Why choose micro-oil screw vacuum pump?

- Average energy saving up to 50% in a large flow range (20-100%)
- Save electrical installation cost (fuse and cable)
- Integrated color screen controller can control motor and frequency converter
- Eliminates peak current impact during start/stop
- Electromagnetic compatibility conforms to 2004/108/EG Criterion



### ○ High-speed permanent magnet drive system

**High efficiency**

The motor directly drives the impeller, has simple structure, low mechanical loss, and the efficiency is up to 97%.

**Light weight**

The motor speed is high, the volume and weight are further reduced, only 50% of the asynchronous motor with the same power.

**High environmental affinity**

No oil pollution, noise can be lower than 80Db.

**High power density**

The motor has high power density, whose efficiency is 5% higher than the asynchronous motor.

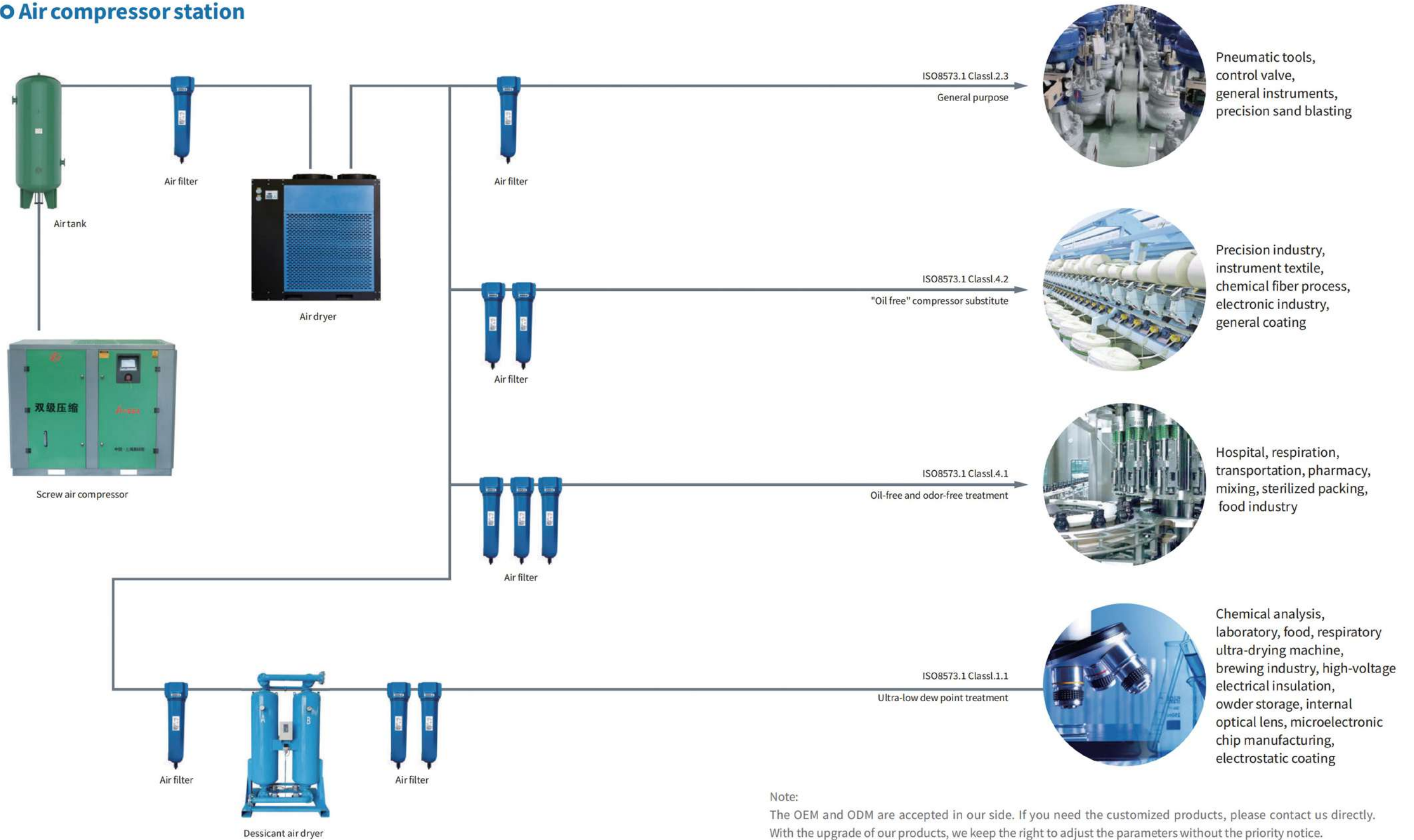
**Long service life**

Variable frequency starting is adopted to reduce the mechanical collision of bearings during motor starting, and the air suspension bearing can meet the requirements of frequent starting and stopping.





○ Air compressor station



Note:  
The OEM and ODM are accepted in our side. If you need the customized products, please contact us directly.  
With the upgrade of our products, we keep the right to adjust the parameters without the priority notice.



**Complete sales service system:**

**Pre-sales:**

Auliss provides the professional consultation service and completed solutions to customers based on its engineers' team. OEM and ODM are acceptable in Auliss.

**On-sales:**

Auliss delivers the qualified products within the required lead-time. Auliss provides guides and supports for the setup, commissioning and maintenance training service before delivery if needed.

**After-sales:**

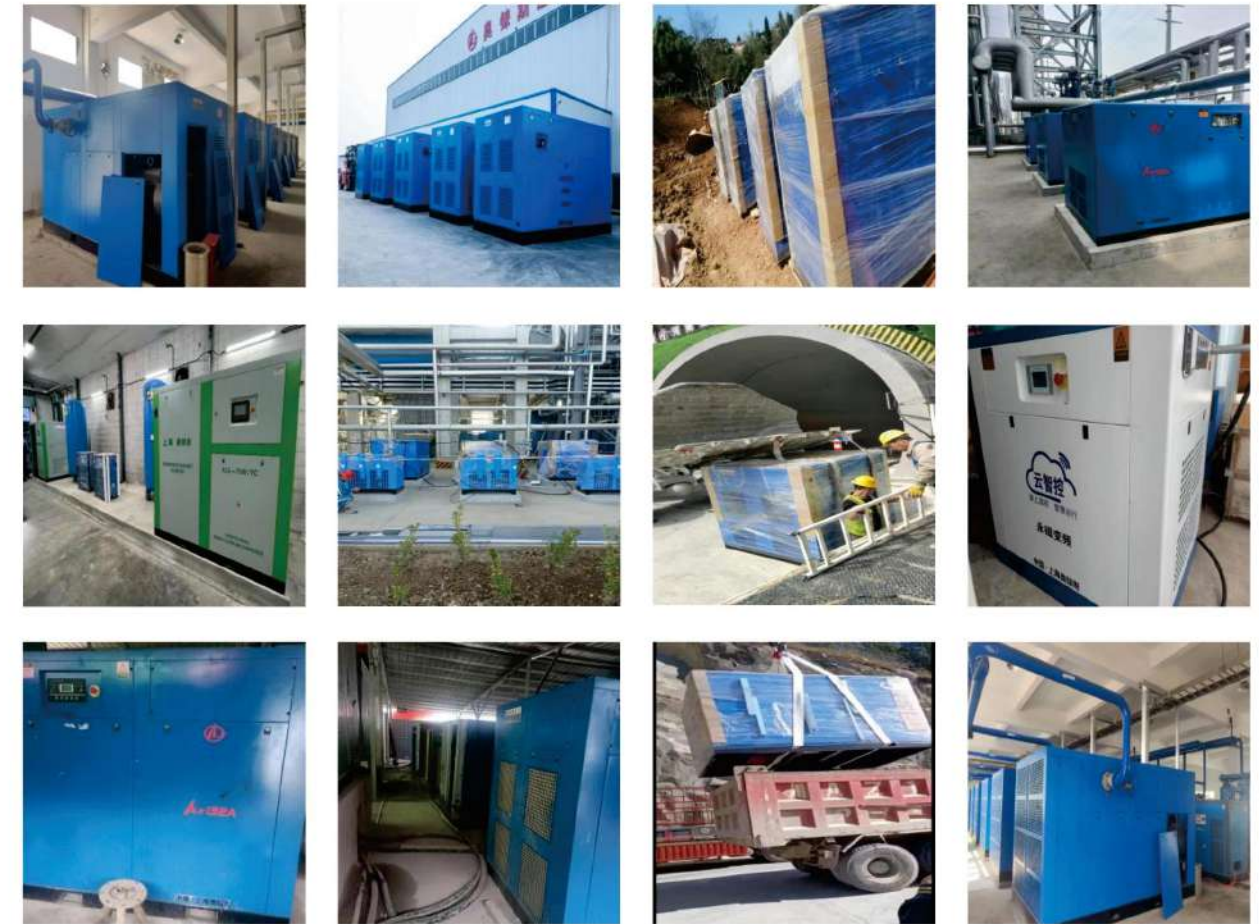
24 hours available hotline service.  
 Repair and maintenance feedback within 8 hours in domestic market and 24 hours for overseas markets.  
 If necessary, Auliss can send engineers to go to foreign countries to assist customers on site.  
 The perfect after-sales service network in some countries.

**Service hotline: +86-21-57716599**

**Service email: service@auliss.com.cn**



**PROJECTS**



**CULTURE**



**STRATEGIC PARTNERS**

