Sollant Stahl
kompresor

SCREW AIR COMPRESSOR

ENERGY CONSERVATION INNOVATION SMART TECHNOLOGY

Authorized PAN-India Distributors for
SOLLANT STAHL KOMPRESOR
All kinds of Screw Compressors Air Dryers & Accessories

Sollant Stahl
kompresor

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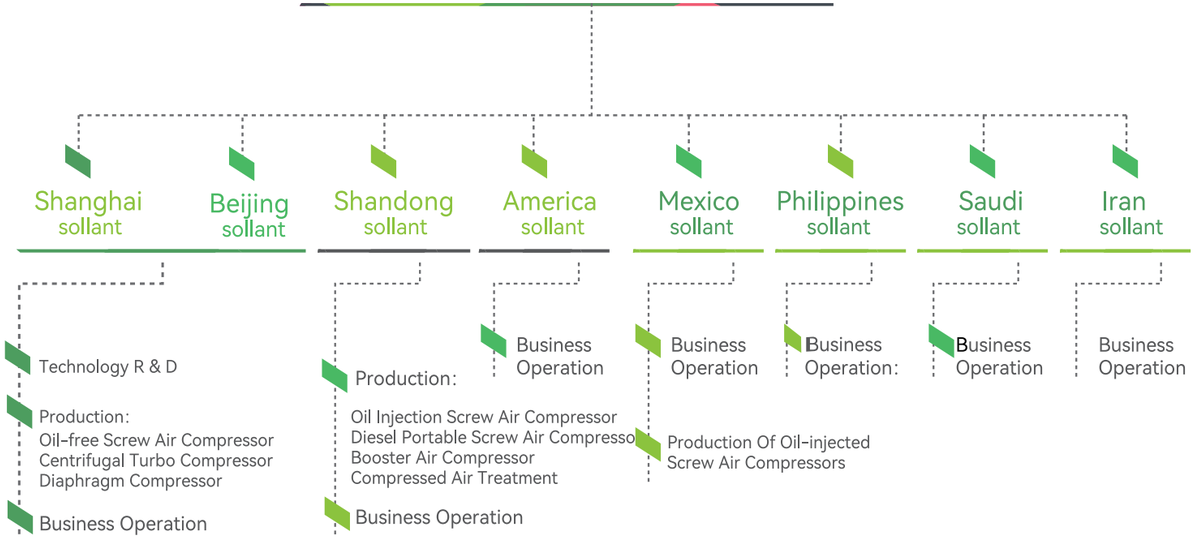
Company Purpose

Sollant Stahl kompresor is a compressed air system manufacturer integrating R&D, production, sales, and service. Sollant has long been based on the research and development of new technologies, strictly follows international standards, and adheres to the principle of “energy-saving creates the future” brand management philosophy, aiming to provide stable and efficient air compression systems for global enterprises. Help customers increase productivity, reduce costs, reduce carbon dioxide emissions, and achieve global sustainable development.

SOLLANT GROUP



Core Values

Passion and Innovation
We are committed to providing high-quality products, services and innovations. Helping clients grow, improving the environment and advancing society.

Customer Focus
We use outstanding products, solutions and services to meet the differentiated needs of different customers and help achieve sustainable development goals.

People-Centeredness
We believe in the inherent worth of our employees and treat our team members, customers, partners and suppliers with mutual respect and sensitivity

Integrity.
We accept responsibility for our actions, make and support business decisions through experience and good judgement.

Our Mission

To ensure the reliability of customer business operations through our outstanding products, solutions and services, help customers increase productivity, reduce costs, reduce carbon dioxide emissions, and achieve global sustainable development

Our Product

FIXED /PM VSD SPEED
SCREW AIR COMPRESSOR

TWO-STAGE PM VSD
AIR COMPRESSOR SERIES

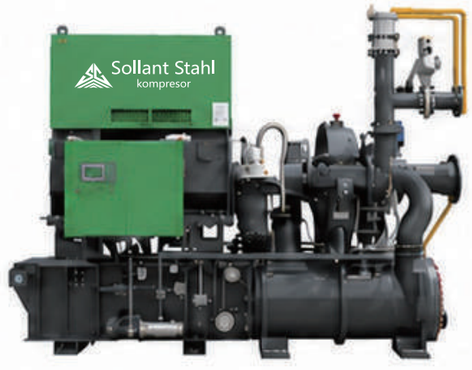
LOW-PRESSURE SCREW
AIR COMPRESSOR

OIL-FREE SCREW AIR COMPRESSOR

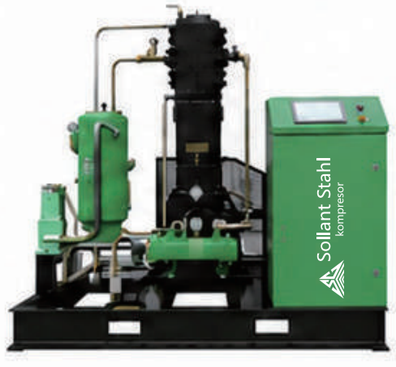
4-IN-1 AIR COMPRESSOR

SINGLE PHASE SCREW
AIR COMPRESSOR

DIESEL PORTABLE SCREW
AIR COMPRESSOR



CENTRIFUGAL TURBO COMPRESSOR



OIL FREE BOOSTER COMPRESSOR

DIAPHRAGM COMPRESSOR

AIR DRYER

AIR TANK

FIXED SPEED SCREW AIR COMPRESSOR

COOLER

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.

AIR-END

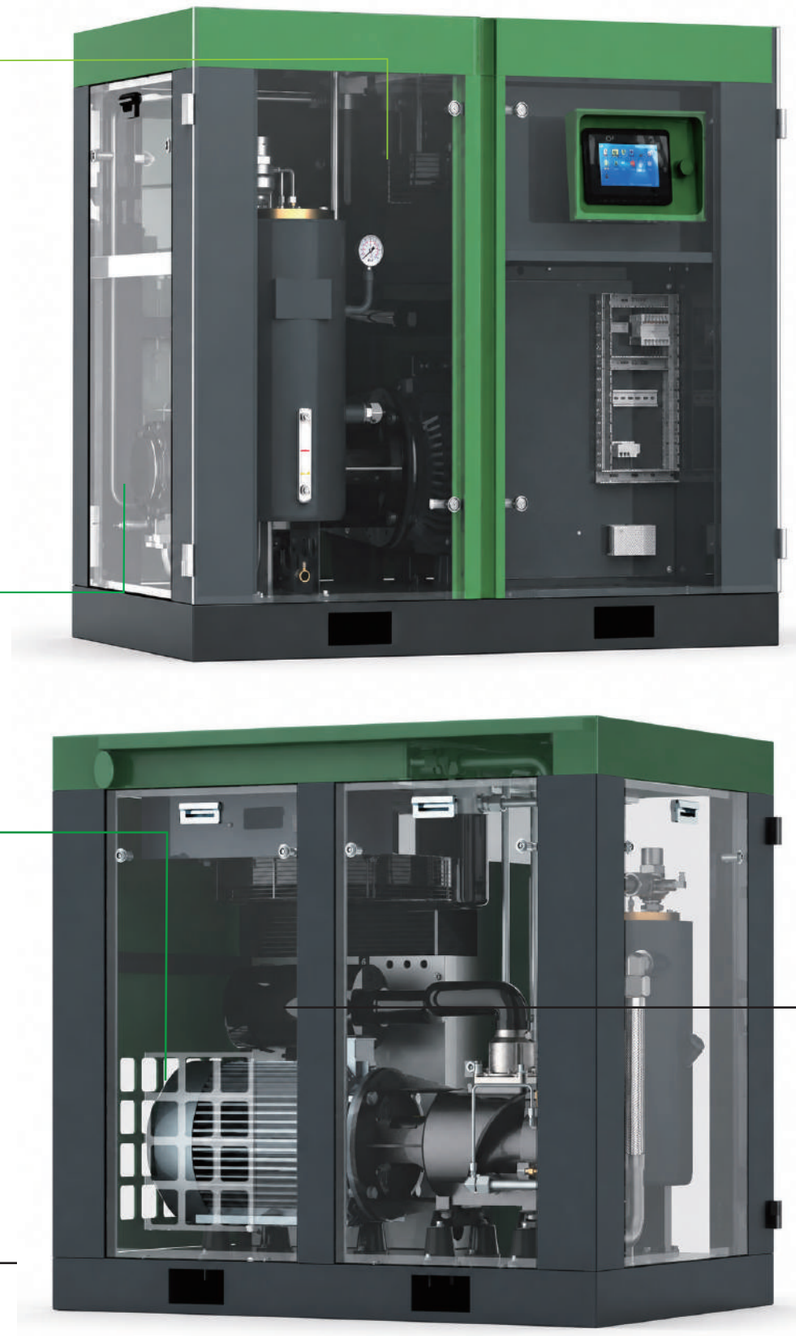
1. Adopts the international top-level third-generation asymmetric wire twin-screw air end, adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape and the axial air inlet design.
2. Optimized flow channel design, with a large rotor, low 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.

MOTOR

1. The motor uses high-performance motors of well-known brands. Permanent magnet synchronous motors (PM motors) use high-performance NdFeB permanent magnets which will not lose magnetism under 200 ° and its service life reaches as long as 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.

INTAKE VALVE

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 reducing operating costs.



CONTROLLER

1. Adopts PLC multilanguage 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.

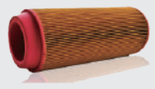
FAN

1. The fan uses a large fan design to enhance the fan's heat dissipation effect effectively.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.

OIL FILTER

1. Adopts high-density filter material, the surface is treated with nano-electroplating.
2. The filter element has uniform pore size, small filter resistance, large flux, strong interception ability and long service life.
3. High filtration accuracy effectively filters impurities in lubricating oil, prolongs the service life of the equipment.

AIR FILTER



Adopting a design with high dust holding capacity and low flow resistance, which can filter out tiny fixed particles in the air. The dust removal effect can reach 99.5%, ensuring the normal operation of the components of the system and extending the service life.

AIR-OIL SEPARATOR CORE

The high-quality air-oil separation element and gas-liquid filter element are equipped with advanced three-stage air-oil separation to keep the oil content below 3ppm to ensure the output of high-quality compressed air.

FIXED SPEED SCREW AIR COMPRESSOR

- Advanced High Efficiency Air End
- Intelligent Microcomputer Control System
- Unique Heat Removal &Cooling System
- Flexible Coupling Direct Drive
- Safe,Reliable and Efficient Motor

FIXED SPEED SCREW AIR COMPRESSOR

1.Advanced High Efficiency Air End
Adopts industry-leading screw air end, high efficiency and low rotating speed.With the third generation tooth type of rotor, cutting-edge geometric design-stable, reliable, energy saving and long service life.

2.Flexible Coupling Direct Driven
Adopts direct connection structure without any loss, transmission efficiency is 100%, maintenance cost is low, disassemble is convenient and greatly saves downtime.Easy maintenance--air end maintenance only needs to disassemble the air end, motor maintenance only need to disassemble the motor, do not affect each other.

3.Intelligent Microcomputer Control System
Adopts intelligent control system to ensure fully automated intelligent operation, detect exhaust pressure, temperature and other field data, and control the exhaust pressure within the preset pressure range through the intake valve, to output stable pressure.

4.Safe,Reliable and Efficient Motor
Adopts unique low-speed motor, protection grade IP55, insulation grade F, suitable for bad working conditions. High balance precision, high speed running smoothly.

5.Unique Heat Removal &Cooling System
Adopts advanced design, harmonica radiator, effectively increases the heat dissipation area, run faster and smoother, and take away the heat of the machine in time. The heat exchange effect of the same area is 30% higher than that of the traditional cooler. Even in the Asia-Pacific region with high temperatures and high humidity, the normal operation of the unit can be guaranteed.

Fixed Speed Screw Air Compressor Specification

Model	Power		Capacity (M^3/Min)	Working pressure (bar)	Air outlet diameter	Noise level dB(A)	Driven method	Start method	Extenal dimensions L*W*H(mm)	Weight (kg)
	kw	hp								
SLT-7.5F	7.5	10	1.10	8	DN20	60±2	Direct drive/ Belt drive	Y-Δ	950*687*930	213
			0.90	10						207
			0.63	13						207
SLT-11F	11	15	1.75	8	DN20	62±2	Direct drive/ Belt drive	Y-Δ	1090*740*1085	317
			1.65	10						317
			1.10	13						317
			0.88	16						317
SLT-15F	15	20	2.44	8	DN20	62±2	Direct drive/ Belt drive	Y-Δ	1090*740*1085	356
			2.20	10						317
			1.87	13						317
			1.10	16						317
SLT-18.5F	18.5	25	3.00	8	DN25	64±2	Direct drive/ Belt drive	Y-Δ	1335*900*1170	470
			2.70	10						470
			2.30	13						470
			1.85	16						470
SLT-22F	22	30	3.60	8	DN25	64±2	Direct drive/ Belt drive	Y-Δ	1335*900*1170	470
			3.20	10						470
			2.60	13						470
			2.3	16						470
SLT-30F	30	40	5.00	8	DN40	66±2	Direct drive/ Belt drive	Y-Δ	1510*1037*1275	645
			4.50	10						645
			3.60	13						615
			2.94	16						615
SLT-37F	37	50	6.30	8	DN40	66±2	Direct drive/ Belt drive	Y-Δ	1510*1037*1275	685
			5.60	10						685
			4.61	13						685
			3.40	16						685
SLT-45F	45	60	7.46	8	DN40	66±2	Direct drive/ Belt drive	Y-Δ	1510*1037*1275	712
			6.25	10						712
			5.51	13						712
			5.22	16						712
SLT-55F	55	75	9.28	8	DN50	68±2	Direct drive/ Belt drive	Y-Δ	1910*1270*1600	1108
			8.17	10						1046
			7.25	13						1046
			6.28	16						1046
SLT-75F	75	100	12.35	8	DN50	68±2	Direct drive/ Belt drive	Y-Δ	1910*1270*1600	1205
			11.20	10						1156
			9.80	13						1156
			8.05	16						1156
SLT-90F	90	120	15.20	8	DN65	70±2	Direct drive	Y-Δ	2460*1670*1700	1775
			13.30	10						1705
			12.00	13						1648
SLT-110F	110	150	19.80	8	DN65	70±2	Direct drive	Y-Δ	2460*1670*1700	2104
			16.50	10						2104
			13.20	13						2104
SLT-132F	132	175	23.20	8	DN65	70±2	Direct drive	Y-Δ	2460*1670*1700	2261
			20.50	10						2261
			17.40	13						2261
SLT-160F	160	215	28.30	8	DN65	75±3	Direct drive	Y-Δ	2700*1700*1800	3380
			25.00	10						3380
			20.43	13						3380
SLT-185F	185	250	31.90	8	DN100	75±3	Direct drive	Y-Δ	3110*1940*2060	3580
			28.50	10						3580
			23.53	13						3580
SLT-220F	220	294	36.74	8	DN100	75±3	Direct drive	Y-Δ	3970*2190*2270	4500
			33.17	10						4500
			29.75	13						4500
SLT-250F	250	335	44.00	8	DN100	78±3	Direct drive	Y-Δ	4182*2240*2340	4600
			36.60	10						4600
			32.16	13						4600

PM VSD SCREW AIR COMPRESSOR

- Intelligent Control System
- The Latest Generation Super Stable Inverter
- Small Start-up Impact
- The Latest Generation High Efficiency Permanent Motor
- Wide Working Frequency Range To Save Energy
- Low Noise

PM VSD SCREW AIR COMPRESSOR

1. Intelligent Control System

Direct display of discharge temperature and pressure, operating frequency,current,power,operating state.Real time monitoring of discharge temperature and pressure, current and frequency fluctuations.

2.The Latest Generation High Efficiency Permanent Motor

Insulation grade F, protective grade IP55, suitable for the bad working conditions gearbox design, motor and main rotor through the coupling directly connected, high transmission efficiency.Wide range of speed regulation, high precision, wide range of airflow regulation.The efficiency of the permanent magnet motor is higher by 3%-5% than the regular motor, efficiency is constant, when the speed drops, remains high efficiency.

3.The Latest Generation Super Stable Inverter

Constant pressure air supply, air supply pressure is accurately controlled within 0.01Mpa.Constant temperature air supply, general constant temperature set at 85℃, make the best oil lubrication effect and avoid high temperature to stop.No empty load,reduce energy consumption by 45%, eliminate excess pressure.For each 0.1mpa increase of air compressor pressure, energy consumption increases by 7%.Vector air supply,accurate calculation, to ensure that the air compressor production and customer system air demand at all times to maintain the same.

4.Wide Working Frequency Range To Save Energy

Frequency conversion ranges from 5% to 100%.When the user's gas fluctuation is large, the more obvious energy saving effect and the lower the low-frequency running noise, applicable to any place.

5.Small Start-up Impact

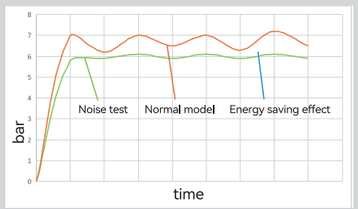
Use frequency conversion permanent magnet motor, start smooth and soft.When the motor starts, the current does not exceed the rated current, which does not affect the power grid and the mechanical wear of the main engine, greatly reduces the power failure and prolongs the service life of the main screw machine.

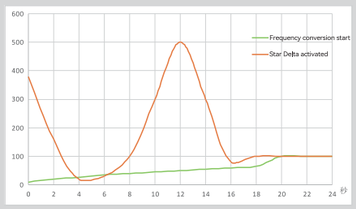
6.Low Noise

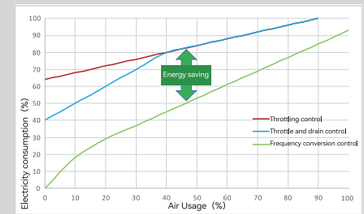
The inverter is a soft start device, the start-up impact very small, noise will be very low when start-up.At the same time, PM VSD compressor running frequency is less than the fixed speed compressor during stable operation, mechanical noise decreases very much.

Overall energy saving

Compared with power fixed speed air compressor, variable speed air compressors has practiacal significance in energy saving







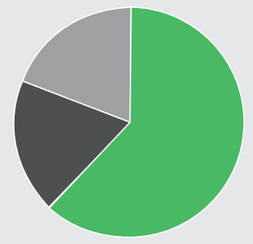
1.The pressure control of variable speed air compressor is precise. It can quickly respond to pressure changes, adjust the speed of the permanent magnet motor, control the pressure fluctuation range within ±0.1bar, stabilize the pressure of the pipe network, provide the necessary air volume with the most reasonable power, and reduce excess energy loss.

2.Variable speed air compressor adopts the method of frequency conversion start up, eliminating the peak current of star-delta start up and start smoothly the Reduce the starting power, reduce the impact on the power grid and equipment, and can reduce the equipment operation noise.

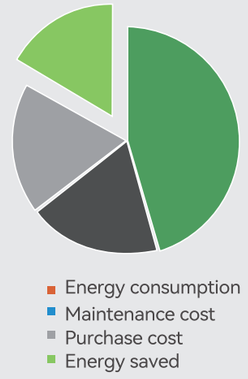
3.Variable speed control is excellent than ordinary throttle control. The adjustment range of the flow rate is larger, and with the high-efficiency permanent magnet motor, the energy saving effect is more significant at a low percentage flow rate.

Most of the cost in the life cycle of the air compressor is generated by the electricity it consumes. The power consumption of the compressor is closely related to the on-site air planning. The variable speed air compressor can not only ensure smooth production, but also save considerable electricity costs and achieve a win-win situationf the enterprise.

Cost of regular air compressor

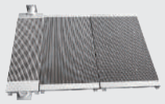


Cost of variable speed air compressor



PM VSD SCREW AIR COMPRESSOR

COOLER



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.

FAN

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.
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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.

MOTOR

1. The motor uses high-performance motors of well-known brands. Permanent magnet synchronous motors (PM motors) use high-performance NdFeB permanent magnets which will not lose magnetism under 200 ° and its service life reaches as long as 15 years.
2. The stator coil uses the frequency converter's 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 a 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.

INTAKE VALVE

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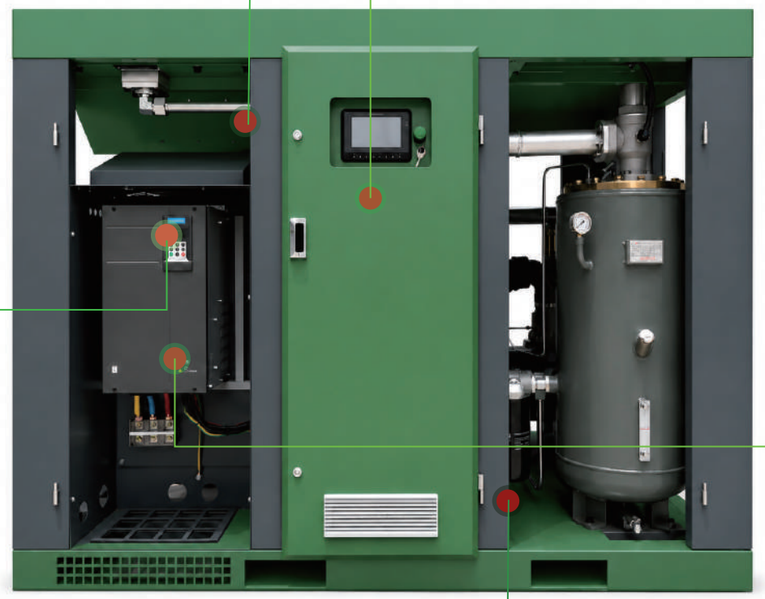
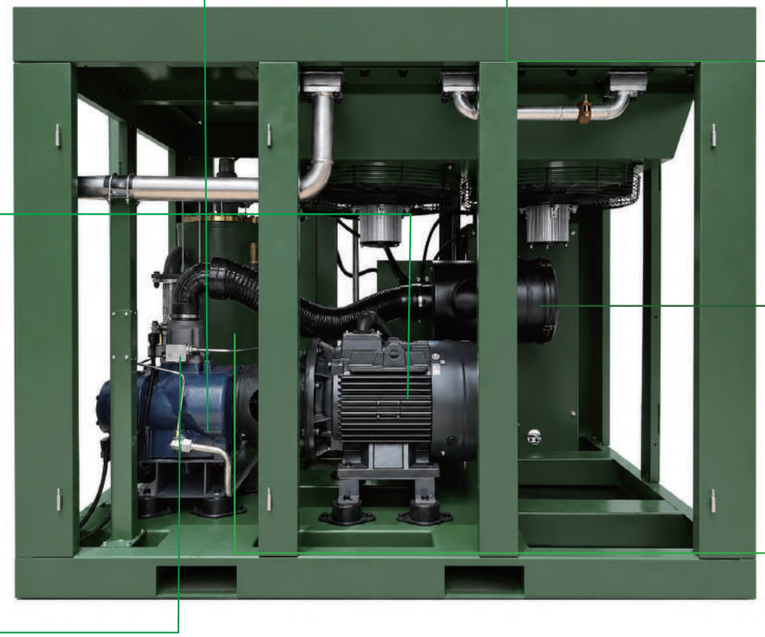
2. Adopting the world famous brand air intake valve, it can automatically adjust the air volume by 0-100% according to the requirement of the system air quantity. It promises small pressure loss, stable action and long life consequently reduced operating costs.





CONTROLLER

1. Adopts PLC multilanguage 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.

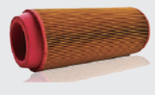
INVERTER

1. The standard is equipped with high frequency reactor, effectively reducing the frequency converter and the external magnetic field dry reactance.
2. Reliably reduces peak current when it is started, realizes stable starting.
3. With high-performance current vector technology, it can easily drive induction motors.
4. High performance, high quality and high power density design, as well as significant improvements in usability, maintainability, environmental protection, installation space, and design standards, can further optimize the user experience.
5. Independent air duct design, resistance to all kinds of severe environmental pollution.
6. Rapidly track the change of pressure and control pressure fluctuation within ±0.01Mpa,optimal power is used to accurately provide necessary air.

OIL FILTER

1. Adopts high-density filter material, the surface is treated with nano-electroplating.
2. The filter element has uniform pore size, small filter resistance, large flux, strong interception ability and long service life.
3. High filtration accuracy effectively filters impurities in lubricating oil, prolongs the service life of the equipment.

AIR FILTER



Adopting a design with high dust holding capacity and low flow resistance, which can filter out tiny fixed particles in the air. The dust removal effect can reach 99.5%, ensuring the normal operation of the components of the system and extending the service life.

AIR-OIL SEPARATOR CORE

The high-quality air-oil separation element and gas-liquid filter element is equipped with advanced three-stage air-oil separation to keep the oil content below 3ppm to ensure the output of high-quality compressed air.

PM VSD SCREW AIR COMPRESSOR

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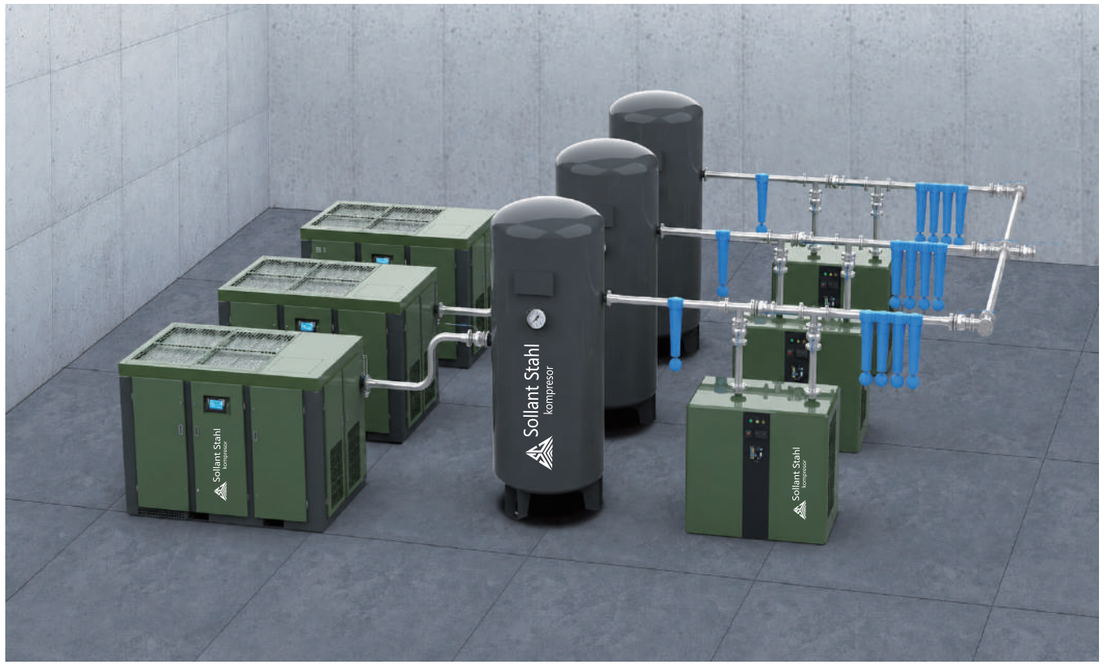
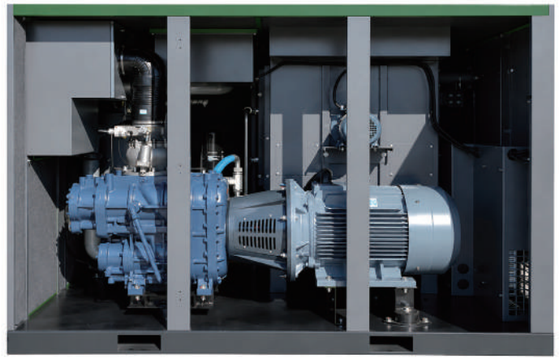


Variable Speed Screw Air Compressor Specification

Model	Power		Capacity (M^3/Min)	Working pressure (Bar)	Air outlet diameter	Noise level dB(A)	Driven method	Start method	Extenal dimensions L*W*H(mm)	Weight (kg)
	kw	hp								
SLT-7.5V	7.5	10	0.49-1.1	8	DN20	60±2	Direct drive	PM VSD	950*687*930	213
			0.4-0.9	10						207
			0.28-0.63	13						207
SLT-11V	11	15	0.78-1.75	8	DN20	62±2	Direct drive		1090*740*1085	317
			0.74-1.65	10						317
			0.49-1.1	13						317
			0.39-0.88	16						317
SLT-15V	15	20	1.1-2.44	8	DN20	62±2	Direct drive		1090*740*1085	356
			0.99-2.2	10						317
			0.84-1.87	13						317
			0.49-1.1	16						317
SLT-18.5V	18.5	25	1.35-3.00	8	DN25	64±2	Direct drive		1335*900*1170	470
			1.21-2.7	10						470
			1.03-2.3	13						470
			0.83-1.85	16						470
SLT-22V	22	30	1.62-3.6	8	DN25	64±2	Direct drive		1335*900*1170	470
			1.44-3.2	10						470
			1.17-2.6	13						470
			1.03-2.3	16						470
SLT-30V	30	40	2.25-5	8	DN40	66±2	Direct drive		1510*1037*1275	645
			2.02-4.5	10						645
			1.62-3.6	13						615
			1.23-2.94	16						615
SLT-37V	37	50	2.83-6.3	8	DN40	66±2	Direct drive		1510*1037*1275	685
			2.52-5.6	10						685
			2.07-4.61	13						685
			1.53-3.4	16						685
SLT-45V	45	60	3.35-7.46	8	DN40	66±2	Direct drive		1510*1037*1275	712
			2.81-6.25	10						712
			2.47-5.51	13						712
			2.34-5.22	16						712
SLT-55V	55	75	4.17-9.28	8	DN50	68±2	Direct drive		1910*1270*1600	1108
			3.67-8.17	10						1046
			3.26-7.25	13						1046
			2.82-6.28	16						1046
SLT-75V	75	100	5.55-12.35	8	DN50	68±2	Direct drive		1910*1270*1600	1205
			5.04-11.2	10						1156
			4.41-9.8	13						1156
			3.62-8.05	16						1156
SLT-90V	90	120	6.84-15.2	8	DN65	70±2	Direct drive		2460*1670*1700	1775
			5.98-13.3	10						1705
			5.4-12	13						1648
SLT-110V	110	150	8.91-19.8	8	DN65	70±2	Direct drive		2460*1670*1700	2104
			7.42-16.5	10						2104
			5.94-13.2	13						2104
SLT-132V	132	175	10.44-23.2	8	DN65	70±2	Direct drive		2460*1670*1700	2261
			9.22-20.5	10						2261
			7.83-17.4	13						2261
SLT-160V	160	215	12.73-28.3	8	DN65	75±3	Direct drive		2700*1700*1800	3380
			11.25-25	10						3380
			9.19-20.43	13						3380
SLT-185V	185	250	14.35-31.9	8	DN100	75±3	Direct drive		3110*1940*2060	3580
			12.82-28.5	10						3580
			10.58-23.53	13						3580
SLT-220V	220	294	16.53-36.74	8	DN100	77±3	Direct drive		3970*2190*2270	4500
			14.92-33.17	10						4500
			13.38-29.75	13						4500
SLT-250V	250	335	19.8-44	8	DN100	78±3	Direct drive		4182*2240*2340	4600
			16.47-36.6	10						4600
			14.47-32.16	13						4600

TWO-STAGE PM VSD AIR COMPRESSOR SERIES



TWO-STAGE PM VSD AIR COMPRESSOR SERIES

FEATURES

1.Two-stage compression reduces the compression ratio of each stage, reduces internal leakage, improves volumetric efficiency, reduces bearing load, and increases the life of the host.
2. Two-stage PM VSD replaces single-stage compression, and the displacement is increased by nearly 15%, which can achieve an additional 15% energy saving effect.
3. The rotor adopts the latest patented rotor UV profile, which has been refined by more than 20 procedures to ensure accuracy, reliability, and effectiveness of the rotor profile.
4.Two-stage PM VSD air compressor mainframe is more efficient and more energy-saving. It can save up to 40% energy compared with ordinary industrial frequency machines. Calculated at 8000h/unit/year, it can save electricity costs 30,000 USD per year.

ADVANTAGES

1. More Energy Efficient

Two-stage PM VSD rotor is directly driven through the gears, and each stage of the rotor can obtain the best speed. The Air end is always running at the best energy-saving speed. The frequency conversion soft-start reduces the energy consumption of the air compressor during startup. By controlling the pressure between stages, the compressor always works at the best efficiency point under different working conditions. Compared with single-stage fixed speed air compressor, in principle, two-stage PM VSD air compressor can save 40% energy.

2.More Stable

There is no mechanical transmission failure, the motor, and the male rotor adopt an integrated shaft structure, and there is no need for coupling and gear transmission, eliminating the hidden danger of coupling and gear failure.

3. More Efficient

PM VSD motor+ no transmission efficiency loss.
PM VSD motor has the advantages of energy-saving and excellent performance.
The one-piece structure can reduce the efficiency loss of coupling and gear.

4. More Comfortable

Low noise and low vibration. No motor and bearing noise, no gear noise, no coupling noise.

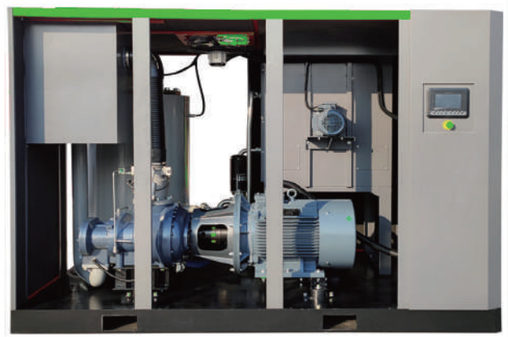
5. More Compact

The PM VSD motor is small in size, and the integrated structure saves space.

Two-stage Pm Vsd Air Compressor Series compressor

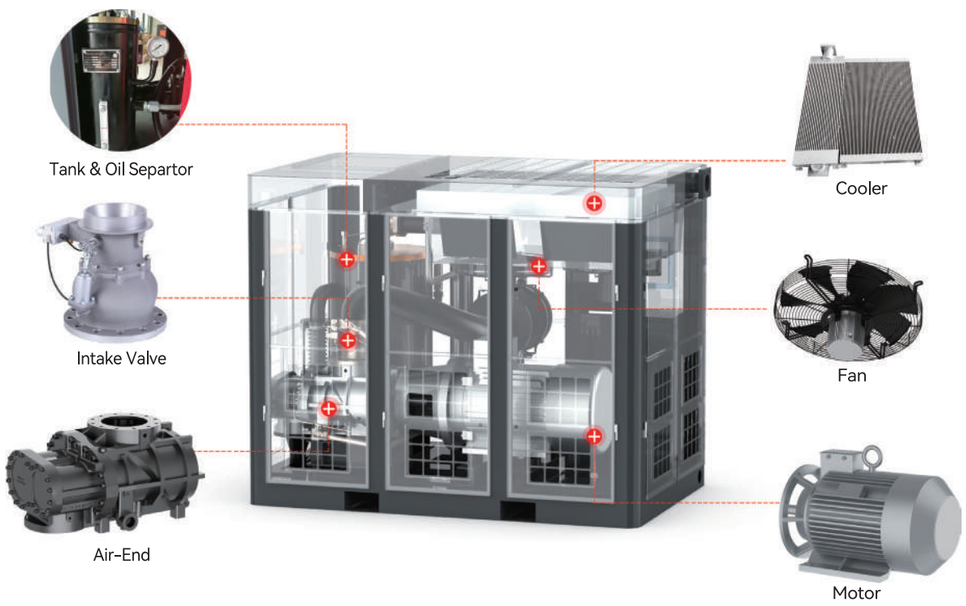
Model	Working pressure	Capacity	Power		Noise	Air outlet pipe diameter	Net weight	Dimensions(mm)		
	bar	m^3/min	kW	hp	dB		kg	Length	Width	Height
SLTT-22V	8	2-4.55	22	30	65±3	DN40	732	1610	1050	1380
	10	1.72-3.83	22	30	65±3	DN40	732	1610	1050	1380
	13	1.36-3.04	22	30	65±3	DN40	732	1610	1050	1380
SLTT-30V	8	2.82-6.27	30	40	65±3	DN40	806	1610	1050	1380
	10	2.5-5.66	30	40	65±3	DN40	806	1610	1050	1380
	13	2-4.52	30	40	65±3	DN40	806	1610	1050	1380
SLTT-37V	8	3.47-7.72	37	50	65±3	DN40	821	1610	1050	1380
	10	3.49-7.06	37	50	65±3	DN40	821	1610	1050	1380
	13	2.65-5.9	37	50	65±3	DN40	821	1610	1270	1380
SLTT-45V	8	4.22-9.37	45	60	65±3	DN50	1124	2000	1270	1600
	10	3.76-8.36	45	60	65±3	DN50	1124	2000	1270	1600
	13	3.2-7.13	45	60	65±3	DN50	1124	2000	1300	1600
SLTT-55V	8	6.13-13.61	55	75	65±3	DN50	1643	2050	1300	1710
	10	5.17-11.49	55	75	65±3	DN50	1643	2050	1300	1710
	13	4-8.89	55	75	65±3	DN50	1643	2050	1500	1710
SLTT-75V	8	7.56-16.8	75	100	68±3	DN50	2100	2285	1500	1800
	10	6.3-13.99	75	100	68±3	DN50	2100	2285	1500	1800
	13	5.53-12.3	75	100	68±3	DN50	2100	2285	1685	1800
SLTT-90V	8	9-20.1	90	120	70±3	DN65	2400	2690	1685	1800
	10	8.1-18	90	120	70±3	DN65	2400	2690	1685	1800
	13	7.15-15.9	90	120	70±3	DN65	2400	2690	1685	1800
SLTT-110V	8	11-24.45	110	150	72±3	DN65	3300	2690	1685	1800
	10	9.29-20.65	110	150	72±3	DN65	3300	2690	1685	1800
	13	8-17.8	110	150	72±3	DN65	3300	2690	1685	1800
SLTT-132V	8	12.55-27.9	132	175	74±3	DN65	3500	2720	1700	2060
	10	11.29-25.11	132	175	74±3	DN65	3500	2720	1700	2060
	13	9.46-21.03	132	175	74±3	DN65	3500	2720	1700	2060
SLTT-160V	8	15.12-33.6	160	215	75±3	DN100	4500	3090	1940	2270
	10	13.77-30.6	160	215	75±3	DN100	4500	3090	1940	2270
	13	12.51-27.8	160	215	75±3	DN100	4500	3090	1940	2270
SLTT-185V	8	19.28-38.94	185	250	76±3	DN100	4600	3970	2190	2340
	10	15.71-34.9	185	250	76±3	DN100	4600	3970	2190	2340
	13	14.53-32.3	185	250	76±3	DN100	4600	3970	2190	2340
SLTT-220V	8	21.28-47.3	220	394	78±3	DN100	4850	4200	2240	2340
	10	19.12-42.5	220	294	78±3	DN100	4850	4200	2240	2340
	13	16.83-37.4	220	294	78±3	DN100	4850	4200	2240	2340
SLTT-250V	8	24.16-53.68	250	335	78±3	DN100	6000	4400	2240	2340
	10	21.73-48.3	250	335	78±3	DN100	6000	4400	2240	2340
	13	19.35-43	250	335	78±3	DN100	6000	4400	2240	2340

LOW-PRESSURE SCREW AIR COMPRESSOR



The air end specially developed for low pressure conditions optimizes the screw profile and internal pressure to improve the efficiency of the air end. Adopt the design idea of "large rotor, large bearing, low speed" to reduce noise and vibration, and increase the life and stability of the host. The tooth surface is processed by a rotor grinder to create a high-precision rotor, which is the first guarantee for the high efficiency and stability of the air end. Compared with the atmospheric pressure machine with the same air volume, it can save energy by more than 50%, and the industry application is more energy-efficient. Protect the environment and reduce usage costs.

Low voltage + two-stage design, extremely energy-saving. The unique intermediate coolant jet curtain design reduces the temperature of the air, and the compression process approaches the most energy-saving isothermal compression.In principle, the two-stage compression saves 5%-8% of energy than the single compression.
Two-stage compression, small compression ratio, less leakage, small bearing load, and greatly improved bearing life.



Single Stage Low-pressure Air Compressor Specification

Model	Working pressure	Capacity	Power		Noise	Air outlet pipe diameter	Net weight	Dimensions(mm)
	bar	m^3/min	kW	hp	dB		kg	
SLTL-22S	3	2.9-6.47	22	30	62±3	DN50	1330	1415*1030*1330
	4	2.43-5.42						
	5	2.06-4.59						
SLTL-30S	3	4.21-9.37	30	40	65±3	DN65	1420	1900*1200*1650
	4	3.39-7.55						
	5	2.88-6.42						
SLTL-37S	3	5.08-11.29	37	50	65±3	DN65	1420	1900*1200*1650
	4	4.18-9.3						
	5	3.67-8.16						
SLTL-45S	3	5.71-12.7	45	60	68±3	DN80	1900	2160*1450*1750
	4	5.07-11.28						
	5	4.24-9.43						
SLTL-55S	3	7.07-15.72	55	75	68±3	DN80	1900	2160*1450*1750
	4	5.95-13.23						
	5	5.22-11.62						
SLTL-75S	3	9.82-21.84	75	100	68±3	DN125	2700	2900*1830*2000
	4	8.56-19.04						
	5	6.8-15.12						
SLTL-90S	3	11-24.65	90	120	73±3	DN125	3800	2900*1830*2000
	4	9.63-21.41						
	5	8.57-19.06						
SLTL-110S	3	13.56-30.15	110	150	74±3	DN125	4000	2900*1830*2000
	4	11.00-24.45						
	5	9.65-21.46						
SLTL-132S	3	16.38-36.41	132	175	76±3	DN125	4800	2900*1830*2000
	4	13.55-30.13						
	5	11.69-25.98						
SLTL-160S	3	18.66-41.48	160	215	76±3	DN150	4800	3500*2030*2230
	4	16.38-36.4						
	5	14.55-32.34						
SLTL-185S	3	19.81-44.03	185	250	76±3	DN200	7000	4250*2280*2550
	4	18.45-41						
	5	16.37-36.38						
SLTL-200S	3	20.96-46.59	200	270	76±3	DN200	8000	4250*2280*2550
	4	19.71-43.81						
	5	17.86-39.71						
SLTL-220S	3	26.9-59.78	220	294	77±3	DN200	8000	4250*2280*2550
	4	22.37-49.73						
	5	18.47-41.06						

Two Stage Low-pressure Air Compressor Specification

Model	Working pressure	Capacity	Power		Noise	Air outlet pipe diameter	Net weight	Dimensions(mm)
	bar	m^3/min	kW	hp	dB		kg	
SLTL-22T	4	2.74-6.08	22	30	65±3	DN40	1100	1610*1050*1380
	5	2.55-5.65						
SLTL-30T	4	3.74-8.33	30	40	65±3	DN50	1200	2020*1290*1600
	5	3.41-7.58						
SLTL-37T	4	4.5-10.02	37	50	65±3	DN50	2000	2020*1290*1600
	5	4.13-9.19						
SLTL-45T	4	6.43-13	45	60	65±3	DN50	2100	2285*1500*1710
	5	5.36-11.93						
SLTL-55T	4	7.35-16.35	55	75	65±3	DN65	3500	2285*1500*1710
	5	6.76-15.03						
SLTL-75T	4	9.37-20.84	75	100	68±3	DN65	3750	2285*1500*1710
	5	8.65-19.23						
SLTL-90T	4	11.63-25.85	90	120	70±3	DN80	3800	2800*1700*1950
	5	10.63-23.63						
SLTL-110T	4	14.44-32.11	110	150	72±3	DN80	4200	2820*1730*2100
	5	13.21-29.37						
SLTL-132T	4	17.34-38.54	132	175	74±3	DN125	5000	2820*1730*2100
	5	15.69-34.87						
SLTL-160T	4	20.16-44.8	160	215	76±3	DN125	5900	3450*2000*2050
	5	18.38-40.85						
SLTL-185T	4	23.54-52.3	185	250	76±3	DN150	5900	3450*2000*2050
	5	21.43-47.62						
SLTL-200T	4	25.81-57.36	200	270	80±3	DN150	7800	3800*2250*2350
	5	23.29-51.76						
SLTL-220T	4	27.9-62.01	220	294	80±3	DN150	8000	3800*2250*2350
	5	25.69-57.1						
SLTL-250T	4	30.58-67.95	250	335	80±3	DN150	8100	3800*2250*2350
	5	29-64.54						

DRY OIL-FREE SCREW AIR COMPRESSOR

Industry-leading original oil-free air end

1. The air compression chamber is completely separated from the oil chamber. The air compression chamber uses a stainless steel spring-loaded metal ring wear-free sealing system. The oil chamber has a wear-free sealing system with a copper labyrinth seal. The two do not contact ;

2. The compressed air passing through the cooler after the first stage of compression has inseparable water vapor. In order to prevent the water vapor from corroding the surface of the compressor's second-stage main machine rotor, the second-stage rotor is made of stainless steel, which is more reliable

3. The industry's first-class super coating (UITRACOAT) is applied to the rotor and compression chamber inner wall of the main machine. It can effectively prevent softening and shedding that are easy to occur with general coatings such as Teflon. It has excellent anti-corrosion and reduces meshing clearance.During the whole life cycle, there is no significant decrease in air volume

4.Filtered lubricating oil is used for cooling in the cabinet compartment of the air end. Efficient cooling, avoiding the scale caused by water cooling, thus improving the reliability of operation.

Smart electronic control system

Large-size color LCD touch screen, with a good human-machine communication interface; custom vector inhuman, perfectly matched with the motor; a special program, fully monitoring the parameters of the machine, automatically control the state of the machine, no need for special care; independent air duct design, suitable for each kinds of working condition.

Independent air intake system

Independent air intake to ensure that the intake air temperature is equal to the ambient temperature. Large-capacity air filter is used,which has better filtering effect, lower intake pressure loss, energy saving and high efficiency.Maintenance and replacement are more convenient

Noise reduction sheet metal design

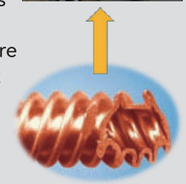
The multiple noise reduction design iscalculated according to the noise theory. The special flame retardant muffler cotton is attached inside to reduce the noise of the unit and provide a quieter environment for use.

Silent centrifugal fan

Silent centrifugal fan Sollant dry screw air compressor adopts the latest centrifugal fan, which has large cooling air volume, low noise, stable and uniform wind pressure, so that the cooling area of the cooler is fully utilized, and the noise of the air compressor is greatly reduced by 6-8dB(A). Give customers a quiet environment

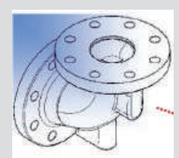
Efficient water cooler

Sollant dry screw air compressor water cooler uses a new type of threaded finned tube shell and tube heat exchanger. Compressed air goes inside the tube, cooling water goes to the shell side, and the tube nest is a new plum blossom copper tube, which is more conventional than water cooling. For the heater, the advantages are as follows



1. Compressed air goes through the tube and the pressure bearing capacity of the outer finned tube is improved ;
2. Cooling water walks on the shell side. Compared with the process selection in the walking pipe, the cooling water passes through multiple sets of baffle parts, the degree of turbulence increases, the probability of the formation of dirt attached to the pipe wall is reduced, the equipment cleaning cycle is extended, and the user's maintenance cost is reduced.
3. The gas travels along the tube and the fins extend axially in the tube. Compared with the outer fins sweeping the wind, the pressure drop generated by the unit windward area is lower than that of the outer fins. It is safe and reliable to use, and the fins are not easy to fall off ;
4. The installation of the heat exchanger is simple and the same as that of the conventional shell and tube heat exchanger ;
5. The side of the tube is made of stainless steel to prevent corrosion and rust of the cooler due to high temperature and high pressure, which affects the life of the compressor and air quality
6. The tube nest can be disassembled independently, which is convenient for users to maintain
7. Compressed air goes to the tube side and water goes to the shell side to reduce the noise generated by compressed air.

Noise reduction venturi



The first and second air ends of the air compressor all adopt the newly developed venturi muffler, and there is also an impedance integrated muffler, which can greatly eliminate the noise emitted by the compressor pipeline.

Reliable hydraulic intake valve

High-efficiency intake valve adopts hydraulic control, the work is more stable and reliable, avoiding the regular replacement of pneumatic components, reducing unnecessary downtime and maintenance costs.

Dry Oil-Free Variable Speed Screw Air Compressor

Model	Working pressure		Capacity		Power		Noise	Air outlet pipe diameter	Net weight		Dimensions(mm)					
	bar	psig	m^3/min	cfm	kW	hp	dB		Air-cooled	Water-cooled	Air-cooled L*W*H			Water-cooled L*W*H		
SLTOF-45VD	7	102	4.5- 7.8	159- 275	45	60	69±3	DN50	1800	1850	2200	1400	2000	2200	1500	1720
	8	116	4.0- 6.8	141- 240	45	60	69±3	DN50	1800	1850	2200	1400	2000	2200	1500	1720
	10	145	3.7- 6.4	132- 226	45	60	69±3	DN50	1800	1850	2200	1400	2000	2200	1500	1720
SLTOF-55VD	7	102	5.7- 9.8	202- 346	55	75	69±3	DN50	1900	1950	2200	1400	2000	2200	1500	1720
	8	116	5.2- 9.0	182- 318	55	75	69±3	DN50	1900	1950	2200	1400	2000	2200	1500	1720
	10	145	4.4- 7.8	157- 275	55	75	69±3	DN50	1900	1950	2200	1400	2000	2200	1500	1720
SLTOF-75VD	7	102	7.6- 13.0	268- 459	75	100	70±3	DN50	2000	2050	2200	1400	2000	2200	1500	1720
	8	116	7.2- 12.2	253- 431	75	100	70±3	DN50	2000	2050	2200	1400	2000	2200	1500	1720
	10	145	6.6- 11.2	234- 396	75	100	70±3	DN50	2000	2050	2200	1400	2000	2200	1500	1720
SLTOF-90VD	7	102	9.6- 16.0	332- 565	90	120	71±3	DN50	2100	2150	2200	1400	2000	2200	1500	1720
	8	116	8.1- 13.8	286- 487	90	120	71±3	DN50	2100	2150	2200	1400	2000	2200	1500	1720
	10	145	7.6- 13.1	269- 463	90	120	71±3	DN50	2100	2150	2200	1400	2000	2200	1500	1720
SLTOF-110VD	7	102	12.1- 20.6	429- 727	110	150	71±3	DN65	3100	3150	3000	1990	2180	2800	1900	1990
	8	116	11.6- 19.5	408- 689	110	150	71±3	DN65	3100	3150	3000	1990	2180	2800	1900	1990
	10	145	11.1- 19.5	391- 664	110	150	71±3	DN65	3100	3150	3000	1990	2180	2800	1900	1990
SLTOF-132VD	7	102	14.7- 24.8	518- 876	132	175	73±3	DN65	3200	3250	3000	1990	2180	2800	1990	1990
	8	116	13.6- 23.0	480- 812	132	175	73±3	DN65	3200	3250	3000	1990	2180	2800	1990	1990
	10	145	11.5- 19.5	406- 689	132	175	73±3	DN65	3200	3250	3000	1990	2180	2800	1990	1990
SLTOF-160VD	7	102	16.9- 28.5	596- 1006	160	215	73±3	DN65	3300	3400	3000	1990	2180	2800	1900	1990
	8	116	15.6- 26.3	550- 929	160	215	73±3	DN65	3300	3400	3000	1990	2180	2800	1900	1990
	10	145	14.1- 23.8	497- 840	160	215	73±3	DN65	3300	3400	3000	1990	2180	2800	1900	1990
SLTOF-185VD	7	102	19.5- 32.8	687- 1158	185	250	74±3	DN65	3400	4500	3000	1990	2180	2800	1990	1990
	8	116	17.1- 28.9	605- 1021	185	250	74±3	DN65	3400	4500	3000	1990	2180	2800	1990	1990
	10	145	16.3- 27.5	575- 971	185	250	74±3	DN65	3400	4500	3000	1990	2180	2800	1990	1990
SLTOF-200VD	7	102	20.0- 33.6	706.3- 1186.6	200	270	74±3	DN100	5570	5000	4500	2000	2150	3100	2200	2103
	8	116	20.0- 33.6	706.3- 1186.6	200	270	74±3	DN100	5570	5000	4500	2000	2150	3100	2200	2103
	10	145	17.3- 29.2	610.9- 1031.2	200	270	74±3	DN100	5570	5000	4500	2000	2150	3100	2200	2103
SLTOF-250VD	7	102	27.3- 46.0	964- 1624	250	335	74±3	DN100	5800	5200	4500	2000	2150	3100	2200	2103
	8	116	25.3- 42.0	893- 1511	250	335	74±3	DN100	5800	5200	4500	2000	2150	3100	2200	2103
	10	145	22.7- 38.2	803- 1348	250	335	74±3	DN100	5800	5200	4500	2000	2150	3100	2200	2103

Dry Oil-Free Fixed Speed Screw Air Compressor

Model	Working pressure		Capacity		Power		Noise	Air outlet pipe diameter	Net weight		Dimensions(mm)					
	bar	psig	m^3/min	cfm	kW	hp	dB		Air-cooled	Water-cooled	Air-cooled L*W*H			Water-cooled L*W*H		
SLTOF-45FD	7	102	7.8	275.5	45	60	69±3	DN50	1900	1950	2200	1400	2000	2200	1500	1720
	8	116	6.8	240.1	45	60	69±3	DN50	1900	1950	2200	1400	2000	2200	1500	1720
	10	145	6.4	226.2	45	60	69±3	DN50	1900	1950	2200	1400	2000	2200	1500	1720
SLTOF-55FD	7	102	9.8	346.1	55	75	69±3	DN50	2000	2050	2200	1400	2000	2200	1500	1720
	8	116	9.0	317.8	55	75	69±3	DN50	2000	2050	2200	1400	2000	2200	1500	1720
	10	145	7.8	275.5	55	75	69±3	DN50	2000	2050	2200	1400	2000	2200	1500	1720
SLTOF-75FD	7	102	13.0	459.1	75	100	70±3	DN50	2150	2200	2200	1400	2000	2200	1500	1720
	8	116	12.2	430.8	75	100	70±3	DN50	2150	2200	2200	1400	2000	2200	1500	1720
	10	145	11.2	395.5	75	100	70±3	DN50	2150	2200	2200	1400	2000	2200	1500	1720
SLTOF-90FD	7	102	16.0	565.0	90	120	71±3	DN50	2250	2300	2200	1400	2000	2200	1500	1720
	8	116	13.8	487.3	90	120	71±3	DN50	2250	2300	2200	1400	2000	2200	1500	1720
	10	145	13.1	462.6	90	120	71±3	DN50	2250	2300	2200	1400	2000	2200	1500	1720
SLTOF-110FD	7	102	20.6	727.5	110	150	71±3	DN65	3360	3400	3000	1990	2180	2800	1900	1990
	8	116	19.5	688.6	110	150	71±3	DN65	3360	3400	3000	1990	2180	2800	1900	1990
	10	145	18.8	663.9	110	150	71±3	DN65	3400	3400	3000	1990	2180	2800	1900	1990
SLTOF-132FD	7	102	24.8	875.8	132	175	73±3	DN65	3500	3550	3000	1990	2180	2800	1900	1990
	8	116	23.0	812.2	132	175	73±3	DN65	3500	3550	3000	1990	2180	2800	1900	1990
	10	145	19.5	688.6	132	175	73±3	DN65	3500	3550	3000	1990	2180	2800	1900	1990
SLTOF-160FD	7	102	28.5	1006.5	160	215	73±3	DN65	3750	3850	3000	1990	2180	2800	1900	1990
	8	116	26.3	928.8	160	215	73±3	DN65	3750	3850	3000	1990	2180	2800	1900	1990
	10	145	23.8	840.5	160	215	73±3	DN65	3750	3850	3000	1990	2180	2800	1900	1990
SLTOF-185FD	7	102	32.8	1158.3	185	250	74±3	DN65	3860	3960	3000	1990	2180	2800	1900	1990
	8	116	28.9	1020.6	185	250	74±3	DN65	3860	3960	3000	1990	2180	2800	1900	1990
	10	145	27.5	971.2	185	250	74±3	DN65	3860	3960	3000	1990	2180	2800	1900	1990
SLTOF-200FD	7	102	36.8	1299.6	200	270	74±3	DN100	5730	5230	4500	2000	2150	3100	2200	2103
	8	116	34.6	1221.9	200	270	74±3	DN100	5730	5230	4500	2000	2150	3100	2200	2103
	10	145	30.6	1080.6	200	270	74±3	DN100	5730	5230	4500	2000	2150	3100	2200	2103
SLTOF-250FD	7	102	46.0	1624.5	250	335	74±3	DN100	7000	6000	5070	2200	2300	3100	2200	2103
	8	116	42.8	1511.5	250	335	74±3	DN100	7000	6000	5070	2200	2300	3100	2200	2103
	10	145	38.2	1347.7	250	335	74±3	DN100	7000	6000	5070	2200	2300	3100	2200	2103

WATER INJECTED OIL-FREE SCREW AIR COMPRESSOR

Advanced water- lubricated Screw air end

1. Made of stainless steel, there is no danger of rust or corrosion on the air end head
2. Using water as the compression seal and cooling medium, the air is cleaner after rinsing with water, and it can be pure and oil-free
3. The single screw air machine does not theoretically have a clearance volume. At the rated speed, it has excellent dynamic lubrication performance and high working efficiency
4. The axial and radial forces of the single screw are balanced, and the star wheel rotates freely with the screw under the lubrication of the water film. Therefore, the host components run smoothly under low load, ensuring low noise and durability

High efficiency motor

1. Special motor for air compressor imported bearings, protection grade IP54, insulation grade F, suitable for use in various environments, suitable for harsh environments such as dust and high temperature
2. High energy efficiency motor, less electricity, long-term use can significantly reduce the use cost
3. The motor has a large margin design and a large starting torque, which can meet

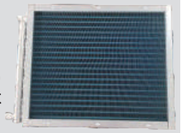
Advanced and reliable electronic control system

1. Intelligent control system, with good human-machine communication interface; high-quality electrical components are selected, and contactors are imported brands
2. Special program, with multi-channel pressure sensor and multi- channel temperature sensor, compare hensivedetection of the running state of the unit, automatic control of the machine state, no need for special care
3. Emergency stop function,there is a push-type emergency stop switch at a prominent position of the unit, which can be immediately stopped in an emergency
4. Independent air duct design, suitable for various working conditions.

Plate cooler (for water cooling)

1. It is made of stacked metal sheets with a certain corrugated shape. The material is corrosion resistant, easy to clean, and has a long service life
2. Unit volume, large heat exchange area, high heat exchange efficiency, keep the water temperature within a reasonable range
3.Compact structure, light weight and small footprint.

Tube-fin air cooler (for air cooling)



1. The heat exchange tube is made of copper, which will not exchange with ions in water, corrosion resistance, and long service life
2. With high-efficiency axial fan, the air volume is sufficient, the cooling effect is good, and the external air duct is not easy to accumulate dust
3. The cooler is placed on the top, the hot air is discharged upwards, there will be no backflow and the internal working temperature of the machine is stable.

Efficient water filtration

The water filter is a full-flow filter. The shell is made of stainless steel with a special filter core. It has high filtration accuracy and long life. It can reliably remove impurities in the system to ensure the supply of clean lubricating water. The water filter is the standard configuration of the water circulation system to keep the system clean.

Special intake valve

The valve body is made of corrosion-resistant material, suitable for various environments, and has a long service life; heavy hammer structure, accurate and rapid air volume control, low-pressure loss; high integration, no wearing parts, simple maintenance and convenient adjustment.

Efficient water-vapor separation barrel

1. Adopt an excellent cyclone separation structure design, which has been tested and proved to have good water-vapor separation effect
2. Use stainless steel material to prevent corrosion
3. Water level with three-level sensor alarm, automatically eliminate excess water, or makeup water automatically when there is less water.

Renewable ion exchange water softener

1. Fully automatic control of operation and regeneration operation process without manual operation
2. Use ion exchange resin to reduce the hardness of raw water, to achieve the purpose of softening hard water, avoiding scaling and protecting the system
3. The exchange resin is renewable and the cost of use is low.

Oil- Free Water Lubricated Fixed Speed Screw Air Compressor Specification

Model	Working Pressure (bar)	Capacity (m³/min)	Power (kw)	Noise (dB)	Weight (kg)	Dimensions(mm)	Air outlet
SLTOF-5.5FW	8	0.78	5.5	58±3	430	800*800*1200	3/4"
	10	0.65					
SLTOF-7FW	8	1.15	7.5		470	800*800*1200	3/4"
	10	1.02					
	12.5	0.81					
SLTOF-11FW	8	1.55	11	60±3	580	1150*755*1340	3/4"
	10	1.32					
	12.5	1.01					
SLTOF-15FW	8	2.30	15	63±3	650	1150*755*1340	3/4"
	10	2.12					
	12.5	1.60					
SLTOF-18.5FW	8	3.10	18.5	65±3	705	1400*900*1450	1"
	10	2.62					
	12.5	2.10					
SLTOF-22FW	8	3.42	22		745	1400*900*1450	1"
	10	3.15					
	12.5	2.62					
SLTOF-30FW	8	5.05	30	67±3	1100	1550*1150*1550(A) 1500*1150*1300(W)	1 1/4"
	10	4.20					
	12.5	3.18					
SLTOF-37FW	8	6.70	37		1150	1550*1150*1550(A) 1500*1150*1300(W)	1 1/4"
	10	5.80					
	12.5	5.00					
SLTOF-45FW	8	7.80	45	68±3	1390	1980*1300*1760(A) 1800*1300*1670(W)	2"
	10	6.15					
	12.5	5.65					
SLTOF-55FW	8	9.60	55	70±3	1470	1980*1300*1760(A) 1800*1300*1670(W)	2"
	10	8.55					
	12.5	7.45					
SLTOF-75FW	8	12.60	75	73±3	2250 1630	2100*1600*1900(A) 2200*1500*1800(W)	2"
	10	11.42					
	12.5	9.8					
SLTOF-90FW	8	14.80	90		2650 2350	2400*1600*2000(A) 2200*1500*1800(W)	2 1/2"
	10	13.05					
	12.5	12.10					
SLTOF-110FW	8	19.50	110	78±3	3150 2460	3000*1700*2250(A) 2200*1500*1800(W)	2 1/2"
	10	16.80					
	12.5	15.15					
SLTOF-132FW	8	22.52	132		3500 2500	3000*1700*2250(A) 2200*1500*1800(W)	2 1/2"
	10	20.30					
	12.5	18.25					
SLTOF-160FW	8	28.11	160	80±3	3700	2700*1800*2050	DN80
	10	24.50					
	12.5	22.15					
SLTOF-185FW	8	33.65	185		3750	2700*1800*2050	DN100
	10	28.50					
	12.5	24.50					
SLTOF-200FW	8	36.63	200		3900	2700*1800*2050	DN100
	10	32.75					
	12.5	27.50					
SLTOF-220FW	8	39.50	220		4200	2700*1800*2050	DN100
	10	35.80					
	12.5	29.50					

Oil- Free Water Lubricated Variable Speed Screw Air Compressor Specification

Model	Working Pressure (bar)	Capacity (m³/min)	Power (kw)	Noise (dB)	Weight (kg)	Dimensions(mm)	Air outlet
SLTOF-5.5VW	8	0.3–0.78	5.5	58±3	460	800*800*1200	3/4"
	10	0.2–0.65					
SLTOF-7VW	8	0.35–1.15	7.5		510	800*800*1200	3/4"
	10	0.3–1.02					
	12.5	0.24–0.81					
SLTOF-11VW	8	0.54–1.55	11	60±3	620	1150*755*1340	3/4"
	10	0.45–1.32					
	12.5	0.35–1.01					
SLTOF-15VW	8	0.75–2.30	15	63±3	670	1150*755*1340	3/4"
	10	0.65–2.12					
	12.5	0.6–1.60					
SLTOF-18.5VW	8	0.9–3.10	18.5	65±3	730	1400*900*1450	1"
	10	0.9–2.62					
	12.5	0.6–2.10					
SLTOF-22VW	8	1.1–3.42	22		780	1400*900*1450	1"
	10	0.97–3.15					
	12.5	0.85–2.62					
SLTOF-30VW	8	1.55–5.05	30	67±3	1150	1550*1150*1550(A) 1500*1150*1300(W)	1 1/4"
	10	1.25–4.20					
	12.5	1.10–3.18					
SLTOF-37VW	8	1.91–6.70	37		1200	1550*1150*1550(A) 1500*1150*1300(W)	1 1/4"
	10	1.60–5.80					
	12.5	1.42–5.00					
SLTOF-45VW	8	2.50–7.80	45	68±3	1490	1980*1300*1760(A) 1800*1300*1670(W)	2"
	10	1.91–6.15					
	12.5	1.70–5.65					
SLTOF-55VW	8	3.0–9.60	55	70±3	1570	1980*1300*1760(A) 1800*1300*1670(W)	2"
	10	2.50–8.55					
	12.5	2.30–7.45					
SLTOF-75VW	8	3.95–12.60	75	73±3	2250 1750	2100*1600*1900(A) 2200*1500*1800(W)	2"
	10	3.40–11.42					
	12.5	3.0–9.85					
SLTOF-90VW	8	5.0–14.80	90		3150 2580	2400*1600*2000(A) 2200*1500*1800(W)	2 1/2"
	10	4.30–13.05					
	12.5	3.72–12.10					
SLTOF-110VW	8	6.0–19.50	110	78±3	3150 2700	3000*1700*2250(A) 2200*1500*1800(W)	2 1/2"
	10	5.07–16.80					
	12.5	4.65–15.15					
SLTOF-132VW	8	6.75–22.52	132		3500 2700	3000*1700*2250(A) 2200*1500*1800(W)	2 1/2"
	10	6.0–20.30					
	12.5	5.07–18.25					
SLTOF-160VW	8	8.5–28.11	160	80±3	3900	2700*1800*2050	DN80
	10	7.6–24.50					
	12.5	6.7–22.15					
SLTOF-185VW	8	10–33.65	185		4050	2700*1800*2050	DN100
	10	8.72–28.5					
	12.5	7.75–24.5					
SLTOF-200VW	8	11.2–36.63	200		4200	2700*1800*2050	DN100
	10	9.68–32.75					
	12.5	9.2–27.50					
SLTOF-220VW	8	12.2–39.5	220		4400	2700*1800*2050	DN100
	10	11.2–35.80					
	12.5	9.0–29.50					

OIL-FREE SCROLL AIR COMPRESSOR

Since there is no metal-to-metal contact between the compression scrolls, no oil lubrication is required in the compression chambers. The working principle of the scroll compressor, therefore, guarantees high-quality oil-free compressed air. The head of the scroll compressor is oil-free, so SLTOF series compressors are always oil-free air compressors.

Oil-free scroll compressors are very efficient. Due to the simple start/stop control, the loss of unloading power is eliminated. The compressor displacement can be matched to the air demand using variable flow control technology.

The low speed of the scroll components makes the SLTOF air compressor very quiet. Oil-free scroll air compressors are field-type compressed air systems that can be installed in any job location.

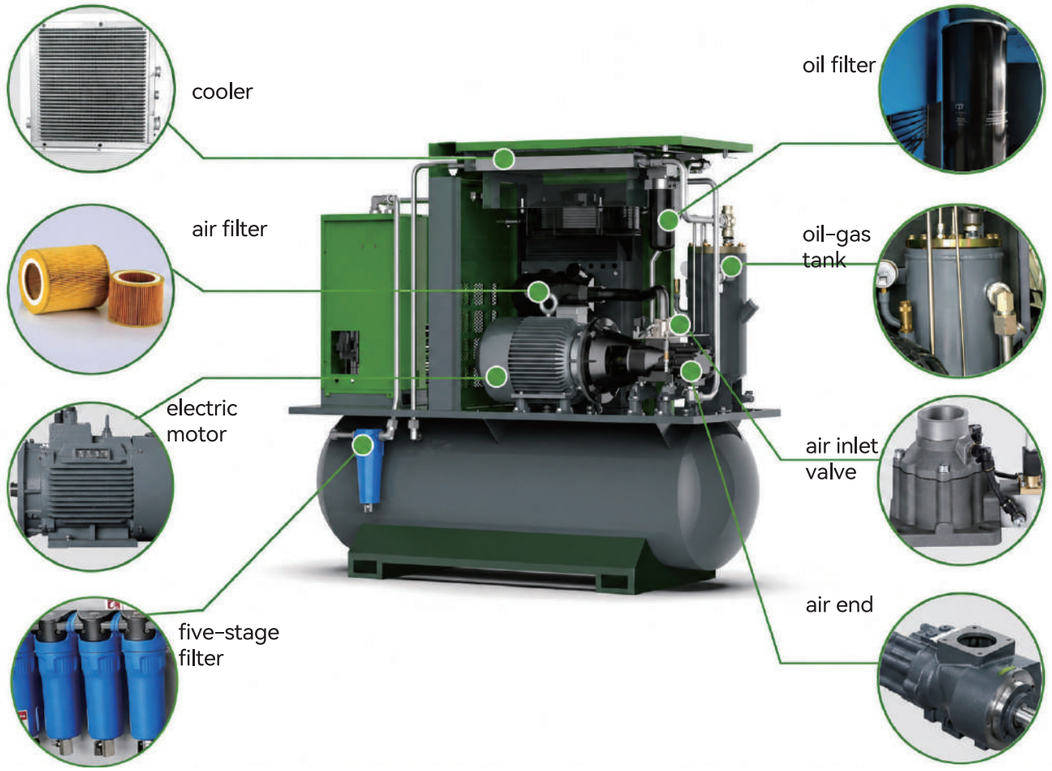
Oil-free scroll compressors stand for simplicity and reliability. Scroll air compressors are designed with minimal moving parts and can run for extended periods of time.

Oil-free compressed air is used in a variety of industries where air quality is extremely important for both the end product and the production process. These applications include food and beverage processing, pharmaceutical, chemical and petroleum, fermentation, sewage treatment, pneumatic conveying, non-woven textiles and other fields. In these critical applications, even the smallest oil contamination can lead to costly downtime, product contamination, product recalls and loss of reputation.

Oil-free Scroll Air Compressor Parameters

Model	Power	Frame	Pressure	Air displacement	Notes
	KW		barg	m^3/min	
SLTOF-2.2S	2.2	2.2x1	8	0.24	
			10	0.21	
SLTOF-2.2S-T			8	0.24	With 30L tank
			10	0.21	
SLTOF-2.2S-F			8	0.24	
			10	0.21	
SLTOF-3.7S	3.7	3.7x1	8	0.42	With 30L tank/dryer
			10	0.35	
SLTOF-3.7S-T			8	0.42	With 30L tank
			10	0.35	
SLTOF-3.7S-F			8	0.42	
			10	0.35	
SLTOF-5.5S	5.5	5.5x1	8	0.62	
SLTOF-5.5S-T			8	0.62	With 200L tank
SLTOF-5.5S-F			8	0.62	With 200L tank/dryer
SLTOF-7.5S	7.5	3.7x2	8	0.83	
			10	0.70	
SLTOF-11S	11	5.5x2	8	1.25	
		3.7x3	8	1.25	
			10	1.05	
SLTOF-15S	15	3.7x4	8	1.67	
SLTOF-16.5S	16.5	5.5x3	10	1.38	
			8	1.86	
SLTOF-18.5S	18.5	3.7x5	8	2.08	
			10	1.72	
SLTOF-22S	22	5.5x4	8	2.48	
		3.7x6	8	2.43	
			10	2.07	
SLTOF-27.5S	27.5	5.5x5	8	3.10	
SLTOF-30S	30	3.7x8	8	3.24	
			10	2.76	
SLTOF-33S	33	5.5x6	8	3.72	
SLTOF-45S	45	5.5x8	8	4.96	

4-IN-1 AIR COMPRESSOR



WHY CHOOSE A 4-IN-1 AIR COMPRESSOR?

1.Integrated design with beautiful appearance, fewer parts, and connectors reduce the possibility of unit failure and leakage; direct discharge of dry compressed air, fully guarantee the quality of user terminal gas; greatly save customer installation costs and use space.

2.With new modular design structure, compact layout, ready to install and work.

3.After strict testing of the unit, the vibration value of the unit is far lower than the international standard.

4.The integrated and optimized pipeline design reduces the length and number of pipelines, thereby reducing the incidence of pipeline leakage and internal losses caused by the pipeline system.

5.Adopting a freeze dryer with excellent performance, a compact rotary refrigeration compressor, and a high cooling capacity configuration scheme to ensure reliable operation under high-temperature conditions.

4-IN-1 Fixed Speed Screw Air Compressor Specification

Model		SLTI-7.5F	SLTI-11F	SLTI-15F	SLTI-22F
Motor	Power(kw)	7.5	11	15	22
	Horsepower(hp)	10	15	20	30
Air displacement/ Working pressure (M^3/Min./MPa)		1.1/0.8	1.75/0.8	2.44/0.8	3.6/0.8
		0.9/1.0	1.65/1.0	2.2/1.0	3.2/1.0
		0.63/1.3	1.1/1.3	1.87/1.3	2.6/1.3
		/	0.88/1.6	1.1/1.6	2.3/1.6
Air outlet diameter		G3/4	G3/4	G3/4	G1
Lubricating oil volume (L)		10	16	16	20
Noise level dB(A)		60±2	62±2	62±2	65±2
Driven method		Direct drive/Belt drive	Direct drive/Belt drive	Direct drive/Belt drive	Direct drive/Belt drive
Start method		Y-Δ	Y-Δ	Y-Δ	Y-Δ
External dimensions	Length (mm)	1560	1770	1770	2200
	Width (mm)	710	750	750	1030
	Height (mm)	1450	1610	1610	1820
Weight (kg)		370	550	550	900
Gas tank capacity (L)		285	325	325	800

4-IN-1 Variable Speed Screw Air Compressor Specification

Model		SLTI-7.5V	SLTI-11V	SLTI-15V	SLTI-22V
Motor	Power(kw)	7.5	11	15	22
	Horsepower(hp)	10	15	20	30
Air displacement/ Working pressure (M^3/Min./MPa)		0.49-1.1/0.8	0.78-1.75/0.8	1.1-2.44/0.8	1.62-3.6/0.8
		0.4-0.9/1.0	0.74-1.65/1.0	0.99-2.2/1.0	1.44-3.2/1.0
		0.28-0.63/1.3	0.49-1.1/1.3	0.84-1.87/1.3	1.17-2.6/1.3
		/	0.39-0.88/1.6	0.49-1.1/1.6	1.03-2.3/1.6
Air outlet diameter		G3/4	G3/4	G3/4	G1
Lubricating oil volume (L)		10	16	16	20
Noise level dB(A)		60±2	62±2	62±2	65±2
Driven method		Direct drive	Direct drive	Direct drive	Direct drive
Start method		PM VSD	PM VSD	PM VSD	PM VSD
External dimensions	Length (mm)	1560	1770	1770	2200
	Width (mm)	710	750	750	1030
	Height (mm)	1450	1610	1610	1820
Weight (kg)		370	550	550	900
Gas tank capacity (L)		285	325	325	800

Mobile Compressor

The perfect energy-saving combination: Powerful diesel engine and excellent air.

Maximum versatility

SLTDP is an ideal choice for powering equipment such as construction machinery. Meticulous construction and premium quality components ensure trouble-free operation in ambient temperatures ranging from -20°C to +45°C. The chassis's versatility is further enhanced by its ability to be equipped with a fixed or height-adjustable tow bar and with or without an overrun brake. Stationary versions can be installed either on skids or machine mounts.

Separate air filters for engine and compressor

The air filters are specifically tailored to suit required air demand and therefore ensure dependable system operation. A further important design detail is the electric fuel pump, which enables quick and simple deaeration of the diesel lines, thereby eliminating the need for labor-in-tensive manual pumping

Lightweight

Powerful doesn't necessarily mean heavy: the SLTDP is exceptionally easy to maneuver and transport. Moreover, its larger diesel fuel capacity ensures that the compressor has more than enough power available to last an entire work shift.

Optional diesel engine

Flexible diesel engines to meet the different operating environments and conditions of operation, general maintenance, regardless of the location of the compressor, customers can find a suitable supplier of parts.

Simple to operate

Operation is made simple via user-friendly icons and a single start switch with pre-heatfunction. The unit also features fully automatic monitoring and shutdown in case of malfunction, whilst a pressure gauge and air temperature display enable all information to be viewed at a glance.

Single-stage compressors							
Model	SLTDP-5/7	SLTDP-7.5/8	SLTDP-10/8	SLTDP-13/8	SLTDP-15/13	SLTDP-17/8	SLTDP-21/10
Flow rate m^3/min	5	7.5	10	13	15	17	21
Operating pressure bar	7	8	8	8	13	8	10
Fuel tank capacity L	70	140	140	160	160	160	360
Sound level dB(A)	75±3	80±3	80±3	80±3	85±3	85±3	88±3
Maximum ambient temperature ℃	50	50	50	50	50	50	50
Number of stage	1	1	1	1	1	1	1
Diesel engine manufacturer	Quanchai	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Diesel Engine Model	QC490GP	QSB3.9-C80	QSB3.9-C100	QSB3.9-C125	QSB5.9-C190	QSC5.9-C190	QSB5.9-C240
Engine rated power KW	37	60	60	93	142	142	173
Speed at full load rpm	2200	2200	2200	2300	2000	2000	2000
Speed at minimum load rPm	1500	1500	1500	1500	1500	1500	1500
Dimensions mm	3193*1446*1428	3900*1600*1930	3900*1600*1930	4230*1860*1870	4350*1960*1950	4350*1960*1950	4580*1950*2500
Number of tire	2	2	2	2	4	4	4
Operational weight Kg	960kg	1500kg	1600kg	1860kg	2020kg	2020kg	2840kg
Compressed air outlet	G1，G1	G1-1/2,2*G1-1/4			G1-1/2,3*G1-1/4		

Two-stage compressors						
Model	SLTDP-18/17	SLTDP-33/10	SLTDP-25/17	SLTDP-24/22	SLTDP-29/25	SLTDP-35/30
Flow rate m^3/min	18	33	25	24	29	35
Operating pressure bar	17	10	17	22	25	30
Fuel tank capacity L	420	420	480	480	600	800
Sound level dB(A)	88±3	88±3	88±3	88±3	88±3	88±3
Maximum ambient temperature ℃	50	50	50	50	50	50
Number of stage	2	2	2	2	2	2/3
Diesel engine manufacturer	Cummins	Cummins	Cummins	Cummins	Cummins	Cummins
Diesel Engine Model	QSB5.9-C220	QSL8.9-C325	QSL8.9-C360	QSL8.9-C360	QSZ13-C400	QSZ13-C550
Engine rated power	162	242	264	264	295	429
Speed at full load rpm	2100	2100	2100	2100	2100	1900
Speed at minimum load rPm	1500	1500	1500	1500	1500	1400
Dimensions mm	3800*1900*1900	4500*2100*2550	5600*2100*2550		5650*2100*3000	7000*2100*3000
Number of tire	4	4	4	4	4	4
Operational weight Kg	2910kg	5150kg	5610kg	5610kg	5080kg	6000kg
Compressed air outlet	G1-1/2,3*G1-1/4		2*G1-1/2,3*G1-1/4		G1 G2	

SINGLE PHASE SCREW AIR COMPRESSOR

REDUCE ENERGY COSTS

ELECTRICITY COST SAVING BY MORE THAN 50%

Single-phase 220V, with wide applicable scenes, wide voltage service, frequency conversion technology, and small starting current Residential electricity is also accepted, and its cost is about 1/2 of that of industrial electricity 220V variable-frequency motor has an energy efficiency 50% higher than that of the ordinary motor.

Under different conditions, the demand for gas will float. Through a large number of research and calculation of market demand, Sollant confirmed it. Only about 10% of applications require stable air supply. Therefore, frequency conversion compressors can play a greater role in energy saving.Energy cost often accounts for 70% of the life cycle cost of a compressor. The production of compressed air may account for 40% of all electricity costs in the plant. In almost every factory, the gas consumption will vary with different time periods, with high and low peak periods. Sollant permanent magnet variable frequency screw air compressor can supply gas completely according to the requirements of gas consumption, which can not only save a lot of energy but also protect the environment for future generations.

Single-Phase Variable Speed Screw Air Compressor Specification

Model	Power KW	Horsepower HP	Voltage	Pressure BAR	Displacement L /min	Air Tank L	Dimensions(mm) L*W*H	Outlet Dimension
SLTS-3.7V	3.7	5	220/380	8	200-400	100	1020*540*1035	G1/2
				10	175-350			
				12.5	150-300			
SLTS-4.5V	4.5	6	220/380	8	250-500	100	1020*540*1035	
				10	210-420			
				12.5	180-360			
SLTS-5.5V	5.5	7	220/380	8	315-630	100	1020*540*1035	
				10	275-550			
				12.5	210-420			
SLTS-7.5V	7.5	10	220/380	8	490-980	130	1060*560*1270	
				10	450-900			
				12.5	400-800			
SLTS-9V	9	12	220/380	8	600-1200	200	1300*580*1375	
				10	540-1080			
				12.5	460-920			

OIL FREE BOOSTER COMPRESSOR

- **INLET PRESSURE:1-16BAR**
- **EXHAUST PRESSURE:8-80BAR**

In the process of PET blowing bottles, a lot of high-pressure air is often consumed. But with the improvement of blowing technology, the blowing machine can recover a considerable 5-15 bar of low-pressure air. The oil-free booster can be boosted to 40 bar through a two-stage oil-free booster, The system is simple and reliable, and the energy-saving effect is obvious. And it can be used as a separate 40bar system.

100% Oil-free

This series of boosters are designed according to ISO 8573-1 Class 0,which means that no oil will enter your air or gas network from the booster.

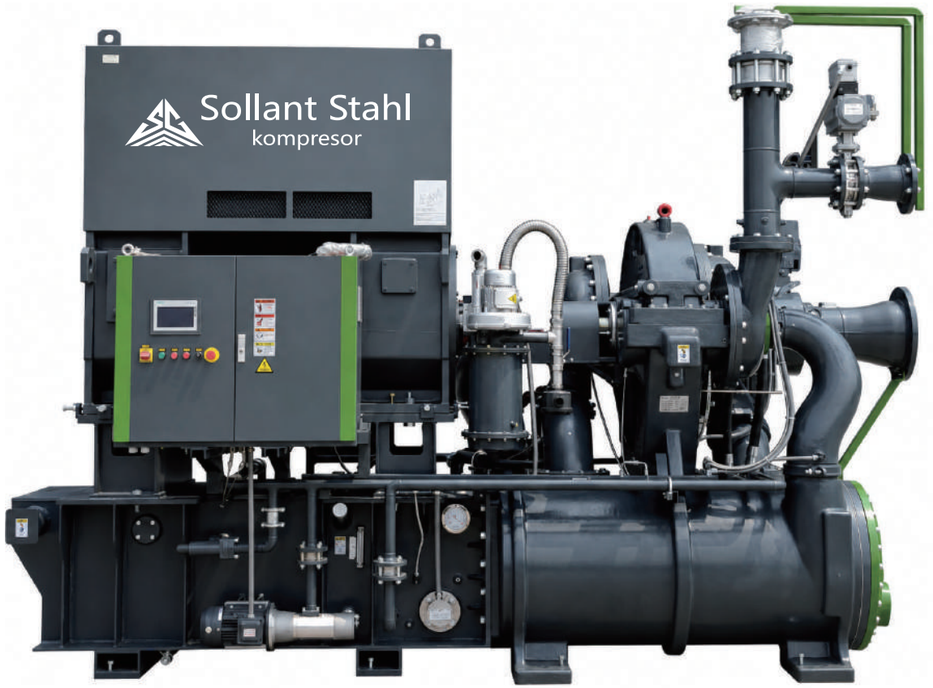
Good adaptability

The design of SLT booster makes it have good adaptability.According to the type of gas that you need to pressurize in your process, we can provide booster with or without chassis.

Technical Parameter

Model	FAD m^3/min	Inlet pressure	Exhaust pressure	Speed r.p.m	Motor KW	Note
SLT -10/8-40	10.0	1-10bar	40bar	420	45	V-type 2-column 2-stage
SLT-12/8-40	12.0			460	55	
SLT-16/8-40	16.0			480	75	
SLT-18/8-40	18.0			535	75	
SLT-20/8-40	20.0	1-10bar		480	90	D-type 2-column 2-stage
SLT-25/8-40	25.0			500	110	
SLT-30/8-40	30.0			600	132	
SLT-35/10-40	35.0	1-10bar		500	132	
SLT-40/10-40	40.0			580	160	

CENTRIFUGAL TURBO COMPRESSOR



HIGH EFFICIENCY AERODYNAMIC DESIGN

Sollant turbomachinery has a world-class design team with expertise in aerodynamics, rotor dynamics, gear drive theory and structural strength theory for centrifugal compressor and expander industries. Experts with over 20 years of experience in the turbomachinery industry cast a solid foundation for our vision to "build Sollant into a domestic and global turbomachinery manufacturer".

CORE TECHNOLOGY DESIGN

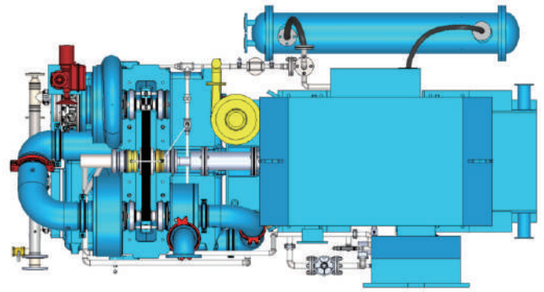
Finite element analysis software is used to simulate the operation of impeller at rated speed to perform stress analysis and deformation calculation. Stress analysis results provide a strong rationale to verify impeller strength to prevent accidents from cracking of impeller in operation. Calculated deformation provides a reference for determining the clearance between impeller and inlet to avoid operation.

ROTOR DYNAMICS DESIGN

Professional software is used for rotor dynamics analysis and bearing design. Power consumption is minimized in bearing operation with reasonable oil film temperature, pressure and thickness. Rotor dynamics analysis based on stiffness and damping of the bearing helps achieve reasonable vibration value and sufficient stability of the rotor and avoids operation near critical rotation speed.

QUALITY CONTROL

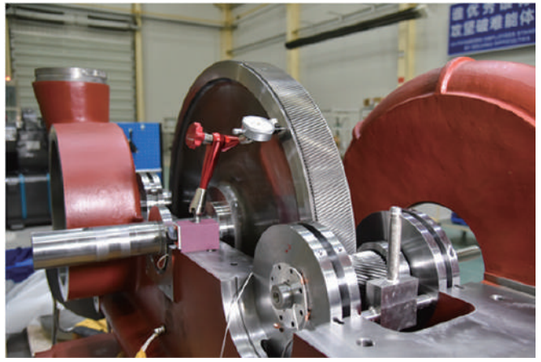
Sollant centrifugal compressor has an excellent structural design to provide continuous, stable, oil-free, and high-quality compressed air with minimum maintenance. Its high efficiency can fully meet the needs of various processes and air systems in factories.



Design Capacity

Processing Capability

Detection Capability

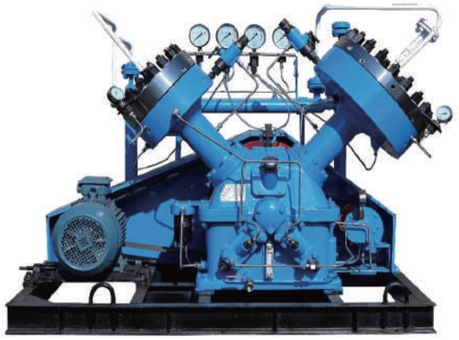


Assembly Capacity

Technical Parameters of Centrifugal Compressor

Model	Working pressure barg	Capacity m^3/min	Power(KW)	Power(HP)	Dimensions L (mm)	W(mm)	H(mm)	Weight (kg)
SLT-300C	0.6-9	24-48	132-263	176-350	2750	1550	1820	3800
SLT-600C	0.6-12	45-82	248-450	330-600	3280	1850	2200	6300
SLT-900C	0.6-12	76-122	400-640	530-900	3S00	2000	2250	8160
SLT-1200C	0.6-12	118-150	630-800	840-1200	4200	2150	2350	11500
SLT-1500C	0.6-16	118-228	760-1300	1010-1750	4200	2150	2350	12000
SLT-2000C	0.6-16	186-310	980-1600	1320-2150	4600	2200	2500	17200
SLT-3000C	0.6-16	268-438	1380-2250	1840-3000	5300	2300	2970	21500

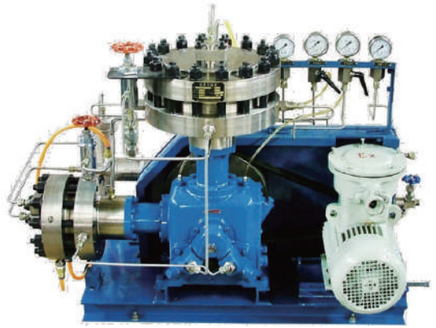
DIAPHRAGM COMPRESSOR



V Type Diaphragm Compressor

Z Type Diaphragm Compressor

D Type Diaphragm Compressor



L Type Diaphragm Compressor

Diaphragm compressor is a special structure positive displacement compressor

The cylinder does not need to be lubricated, the sealing performance is good, the compression medium does not contact any lubricant, and there is no pollution during the compression process, so the compression purity can reach 99.999%. It is especially suitable for the compression, transportation and bottling of high-value rare gases and highly corrosive, toxic, harmful, flammable, explosive, and radioactive gases.

The diaphragm compressor cylinder has good heat dissipation, a simple structure,and high efficiency. Two-stage compression can achieve high pressure and at the same time,it can be close to isothermal compression. Therefore, it is used in industrial gas, food and medicine, the petrochemical industry, aviation nuclear power, military equipment, scientific research and testing, etc. The field is widely used.

The diaphragm compressors designed and manufactured by "Sollant" are divided into four categories: V, Z, D, L, and 26 series, with nearly 900 products. The single machine displacement of the product is up to 3000Nm /h, the pressure design range is up to100MPa, the maximum piston force is 250KN, and the maximum driving power

Diaphragm Compressor Specification

Model	Inlet pressure MPa(G)	Outlet pressure MPa(G)	Nominal volume flow Nm^3/h	Power kW	Rotating speed r/min
V Type Diaphragm Compressor Specification					
SLT-V	Y0.4	35	5	3	400
SLT-2V	0.25	16	8	5.5	400
SLT-2.5V	1.3	15	40	15	400
SLT-3V	6.9	8.0	950	18.5	400
SLT-V3	0.2	7.4	60	22	400
Z Type Diaphragm Compressor Specification					
SLT-Z	0.75	2.5	50	7.5	400
SLT-2Z	1.0	7.0	110	15	360
SLT-2.5Z	17.6	20	50	11	400
SLT-3Z	15	65	100	22	400
L Type Diaphragm Compressor Specification					
SLT-L	0.5	22	4	3	300
SLT-L1	0.7	15	10	4	450
SLT-L2	1.0	20	100	30	400
SLT-L3	0.45	25	100	45	400
SLT-L4	2.49	3.5	2115	55	430
D Type Diaphragm Compressor Specification					
SLT-D	1.1	2.5	1450	75	400
SLT-D2	0.6	3.8	570	90	400
SLT-D3	1.7	18	580	110	400
SLT-D4	1.44	20	650	160	420
SLT-D5	0.4	13.5	550	185	420
SLT-D6	1.2	21	1100	250	375

PLATE HEAT EXCHANGE TYPE AIR DRYER

The aluminum plate-fin heat exchanger is designed and processed with aluminum-magnesium alloy. Due to its superior heat exchange efficiency, it only needs a small cooling capacity to meet the design requirements when applied to the refrigerated dryer. Compared with the shell-and-tube refrigerated dryer, it requires about 25% less cooling capacity. After the overall heat exchanger is processed, a helium leak test will be carried out. The process can control the leakage rate to a minimum.

MAIN FEATURE

- Good heat exchange performance, saving energy consumption required for refrigeration. The heat exchange performance of aluminum plate-fin heat exchangers is much greater than that of conventional shell-and-tube heat exchangers. The air inlet and outlet temperature difference can reach 2℃, reducing the required refrigeration capacity, thereby saving energy consumption of the cold dryer
- The aluminum plate-fin heat exchanger is composed of multiple layers of corrugated fins and partitions overlapped. The fin spacing is very small and the number of layers is large, so the heat exchange area is large and the heat exchanger structure is compact;
- The aluminum air-water separation of aluminum plate-fin heat exchangers mostly adopts stainless steel wire mesh filtration separation,which has the advantages of simple structure and high air-water separation efficiency. Stainless steel wire mesh is generally made of SST304 material, which is strong and corrosion-resistant.
- The condensers all use internally threaded copper tubes, which increase the heat exchange efficiency by about 20% compared to the bare tubes used by other brands;
- High-end and efficient refrigeration accessories: The models with a processing flow rate ≥11.5Nm³/min use a constant pressure expansion valve design, and the equipment is equipped with a defrost valve to ensure that the equipment will not have ice blockage in the compressed air path, with strong reliability. The hot gas bypass valve from Shanghai Shangheng/Denmark Danfoss/USA Emerson is selected to ensure that there is no ice in the system.

Model	Applicable to air compressor power (KW)	Capacity (M³/min)	Interface size	Voltage	Dimensions (mm)	Weight (KG)	Refrigerant
SLT-1.2-1.6	7.5	1.2	G¾"	220V/50HZ/1PH	500*450*700	40	R134A
SLT-1.6-1.6	11	1.6	G¾"		500*450*700	45	R134A
SLT-2.6-1.6	15	2.6	G1"		500*460*750	50	R410A
SLT-3.8-1.6	22	3.8	G1½"		600*500*775	65	R410A
SLT-6.5-1.6	37	6.5	G1½"		600*560*860	70	R410A
SLT-8.5-1.6	55	8.5	G2"		620*550*910	85	R410A
SLT-11.5-1.6	75	11.5	G2"	380V/50HZ/3PH	1200*632*1206	160	R410A
SLT-13.5-1.6	90	13.5	G2"		1200*632*1206	160	R410A
SLT-18.5-1.3	110	18.5	G2½"		1200*720*1310	180	R410A
SLT-20.5-1.3	132	20.5	G3"		1200*720*1310	210	R410A
SLT-25-1.3	150	25	G3"		1200*720*1310	230	R410A
SLT-35-1.3	185	35	G4"		1400*1000*1575	320	R410A
SLT-45-1.3	220	45	DN100		1400*1000*1575	350	R410A
SLT-55-1.3	280	55	DN125		1485*1030*1945	550	R410A
SLT-65-1.3	355	65	DN125		1485*1030*1945	600	R410A

AIR TANK

The Air tank occupies an important position in the work of the air compressor. The Air tank makes the gas supply more stable, reduces the frequent start of the air compressor, and thus achieves the effect of energy-saving. At the same time, let the compressed air precipitate in the Air tank is more conducive to water and pollution removal.

Air Tank Specification

Model		SLT0.3/0.8	SLT0.3/0.8	SLT0.3/1.3	SLT0.6/0.8	SLT0.6/1.0	SLT0.6/1.3	SLT1.0/0.8	SLT1.0/1.0	SLT1.0/1.3
Volume (m³)		0.3	0.3	0.3	0.6	0.6	0.6	1.0	1.0	1.0
Working pressure(MPa)		0.8	1.0	1.3	0.8	1.0	1.3	0.8	1.0	1.3
External dimensions	Height (mm)	1760	1760	1602	2025	2025	2025	2170	2170	2170
	Inner diameter (mm)	500	500	550	650	650	650	800	800	800
	Thickness (mm)	3.0	3.5	5.0	3.5	4.0	5.0	4.0	4.5	5.0
Inlet connection	Size (mm)	DN25	DN25	DN25	DN40	DN40	DN40	DN40	DN40	DN40
	Height (mm)	636	636	636	672	672	672	720	720	720
Outlet connection	Size (mm)	DN25	DN25	DN25	DN40	DN40	DN40	DN40	DN40	DN40
	Height (mm)	1166	1166	1166	1442	1442	1442	1720	1720	1720
Weight (kg)		75	81	98.6	98.6	140	160	160	175	232

Model		SLT2.0/0.8	SLT2.0/1.0	SLT2.0/1.3	SLT3.0/0.8	SLT3.0/1.0	SLT3.0/1.3	SLT5.0/0.8	SLT5.0/1.0	SLT5.0/1.3
Volume (m³)		2.0	2.0	2.0	3.0	3.0	3.0	5.0	5.0	5.0
Working pressure(MPa)		0.8	1.0	1.3	0.8	1.0	1.3	0.8	1.0	1.3
External dimensions	Height (mm)	2874	2874	2878	2950	2950	2950	3787	3787	3787
	Inner diameter (mm)	1000	1000	1000	1200	1200	1200	1400	1400	1400
	Thickness (mm)	4.0	4.5	6	5.0	6.0	8.0	5.0	6.0	8.0
Inlet connection	Size (mm)	DN50	DN50	DN50	DN80	DN80	DN80	DN100	DN100	DN100
	Height (mm)	849	849	849	760	760	760	936	936	936
Outlet connection	Size (mm)	DN50	DN50	DN50	DN80	DN80	DN80	DN100	DN100	DN100
	Height (mm)	1949	1949	1949	2080	2080	2080	2236	2236	2236
Weight (kg)		308	332	469	500	592	762	742	867	1120

HEATLESS ADSORPTION DRYER

◆ Operating conditions

IAT	≤38℃
Working pressure	0.6~1.0MPa
Air Consumption	≤13%
Inlet Oil Content	≤0.1ppm
Pressure Dew Point	-20~-40℃
Adsorbent	Alumina,molecular sieving
Control Mode	Microcomputer Automatic Control

Model	Capacity Nm^3/min	Voltage	Power (KW)	Air inlet and outlet diameter	Dimensions (mm)
SLT-W010	1.5	220V	0.2	G1"	750*435*1470
SLT-W020	2.6	220V	0.2	G1"	750*460*1470
SLT-W030	3.8	220V	0.2	G1"	770*460*1670
SLT-W065	7.2	220V	0.2	G1"1/2"	890*550*1906
SLT-W100	11	220V	0.2	G2"	1170*680*2028
SLT-W135	14	220V	0.2	G2"	1170*680*2028
SLT-W185	18	220V	0.2	DN65	1340*800*2270
SLT-W235	22	220V	0.2	DN65	1340*800*2270
SLT-W265	28	220V	0.2	DN80	1450*900*2480
SLT-W320	32	220V	0.2	DN80	1450*900*2480
SLT-W365	38	220V	0.2	DN100	1700*960*2620
SLT-W450	45	220V	0.2	DN100	1700*960*2620
SLT-W550	52	220V	0.2	DN125	1980*1200*2814
SLT-W600	60	220V	0.2	DN125	1980*1200*2814

MICRO-HEAT ADSORPTION DRYER

◆ Operating conditions

IAT	≤38℃
Working pressure	0.6~1.0MPa
Air Consumption	≤7%
Inlet Oil Content	≤0.1ppm
Pressure Dew Point	-20~-40℃
Adsorbent	Alumina,molecular sieving
Control Mode	Microcomputer Automatic Control

Model	Capacity Nm^3/min	Voltage	Power (KW)	Air inlet and outlet diameter	Dimensions (mm)
SLT-WR010	1.5	220V	2	G1"	750*435*1470
SLT-WR020	2.6	220V	2	G1"	750*460*1480
SLT-WR030	3.8	220V	2	G1"	770*460*1678
SLT-WR065	7.2	220V	3	G1"1/2"	890*550*1916
SLT-WR100	11	220V	4	G2"	1170*680*2060
SLT-WR135	14	380V	5	G2"	1170*680*2060
SLT-WR185	18	380V	6	DN65	1340*800*2125
SLT-WR235	22	380V	8	DN65	1340*800*2125
SLT-WR265	28	380V	9	DN80	1460*900*2470
SLT-WR320	32	380V	12	DN80	1460*900*2470
SLT-WR365	38	380V	15	DN100	1700*1000*2620
SLT-WR450	45	380V	15	DN100	1700*1000*2620
SLT-WR550	52	380V	18	DN125	1980*1200*2814
SLT-WR600	60	380V	18	DN125	1980*1200*2814

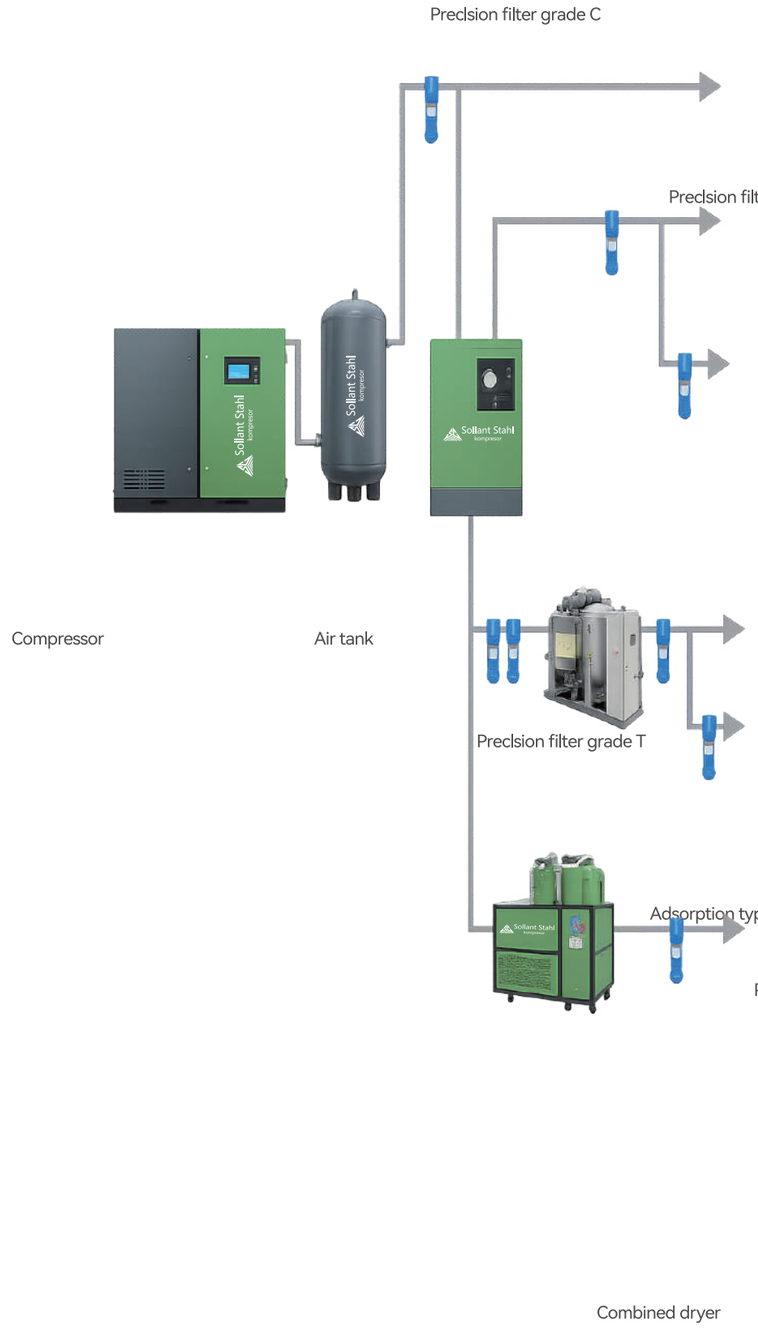
CONTAINER COMPRESSOR

Sollant containerized compressors deliver compressed air anytime and anywhere, saving space in production facilities or without waiting for new buildings to be built, allowing businesses to quickly ramp up production.

Containerized air compressors can be equipped with fixed speed or energy-saving variable speed compressors with a power range of 15 to 110 hp, depending on the model selected. Customers can add dryers, air tanks, filters and whatever accessories best meet their needs.

Sollant assembles these products in a 20- or 40-foot ISO certified shipping container. The container is an insulated steel unit, the container adopts a static design and can be lifted on the upper corner of the container. They are fully plumbed and wired and include a control cabinet with electrical distribution, an automatic ventilation system, a heater, lighting and emergency lighting.

COMPRESSED AIR PURIFICATION S YSTEM FLOW CHART



Quality Control

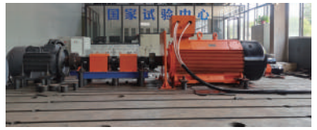
Sollant strictly abides by the international ISO9001 quality management system standards, from R & D design to manufacturing to quality testing, and each link is strictly controlled.

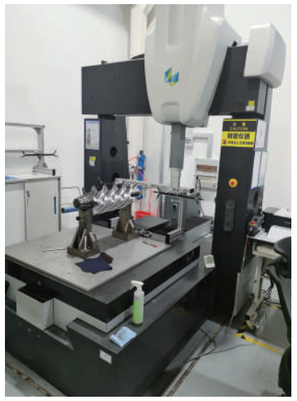

Measure air compressor specific power


Measure air compressor pipeline flow


Voltage and current detection


Measure air compressor exhaust flow


Motor type test


Measure air end rotor profile


Measure air compressor inlet flow


Measure air compressor total power


Air compressor vibration test


Vacuum inspective meter


Air dryer pressure dew point detection


Fan dynamic balance test


Air compressor operating temperature test


Noise test


Shock absorber tensile test


Oil content in air detection


Ambient temperature and humidity detection


Balance test


Exhaust pressure test

Sollant Stahl
kompresor

Our accomplishments lie in maximum customer satisfaction

We at Sollant Stahl kompresor fully understand that our accomplishments lie in maximum customer satisfaction which is achieved by consistently providing quality products and services in accordance with customers' needs and expectations.

Our commitment to quality is driven by the following guiding principles:

Understand current and future customer needs and strive to exceed customer expectations
Identify and delivering innovation technologies and services that fulfill the markets needs

Strictly adhere to any legal and regulatory requirements that apply to our services

Strive for continual improvement of our services based on objectives settings and measurements

Continuous updating of every employee's skills and competencies and improving quality in his work function.