IRAIND CO FOCUS ON ENERGY SAVING

AIR COMPRESSION SYSTEM SERVICE PROVIDER
AIR COMPRESSION SYSTEM INTEGRATOR
GAS COMPRESSION SOLUTION PROVIDER

IRAIND Co

شرکت صنایع هوای فشرده ایران

کیلومتر ۱۲ جاده قدیم کرج، بعد از پل دپو، خیابان سپاه
اسلام، مقابل بانک انصار، پلاک ۲۳.
کد پستی : ۱۳۸۹۱۴۱۵۱

تلفن : ۴۴۹۰۵۳۹۰ فکس : ۴۴۹۰۵۳۸۹ دفتر
تلفن : ۴۴۹۰۱۴۰۰ فکس : ۴۴۹۰۵۸۴۱ کارخانه

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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

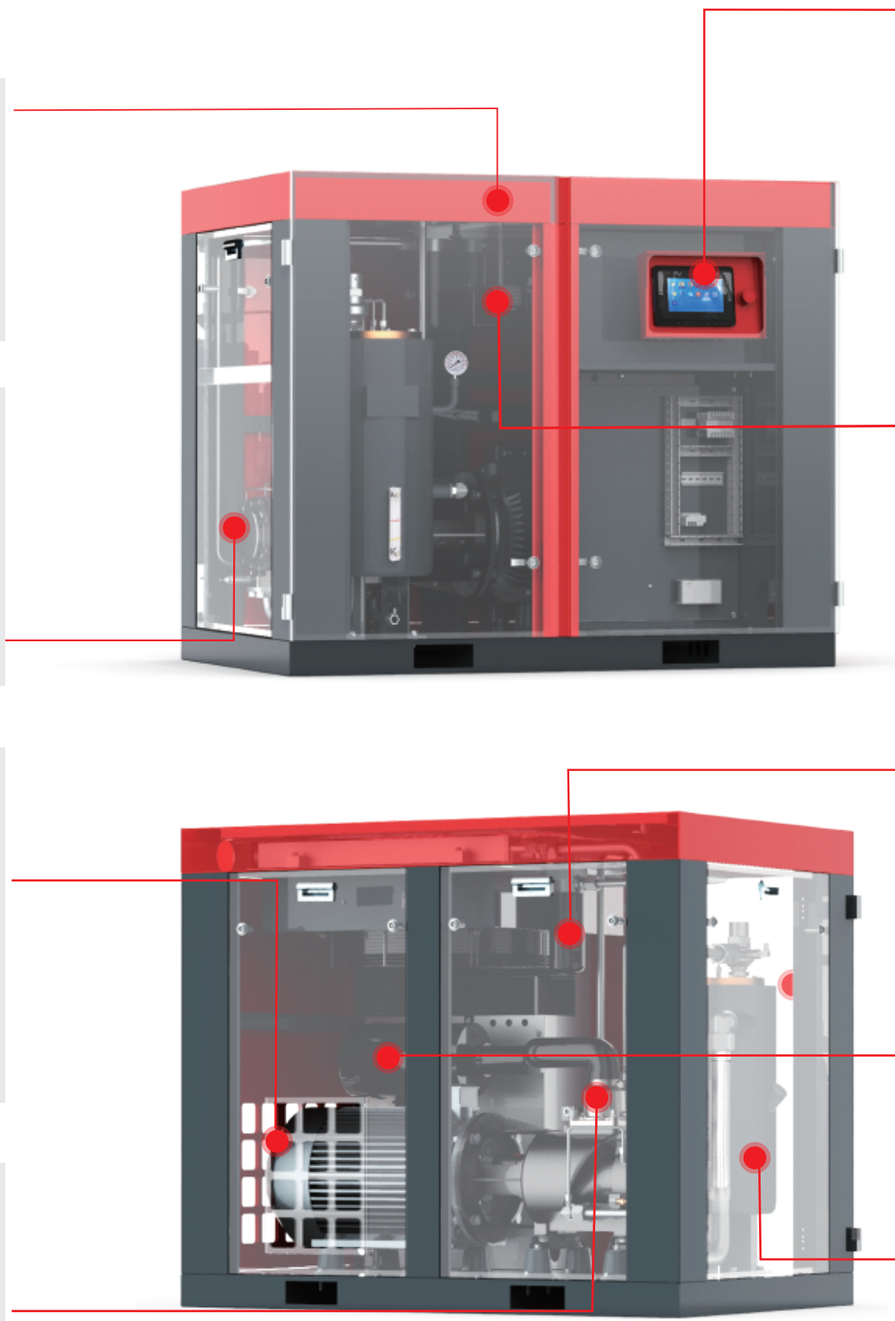
1. Adopts the international top-level third-generation asymmetric wire twin-screw air end, adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape and the axial air inlet design.
2. Optimized flow channel design, with a large rotor, low 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 permanentmagnets 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, theinsulation is outstanding and the service life is longer.
3. The motor has the function of temperature protection. It also has awide range of motor speed regulation, high precision and wide rangeof 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 theair 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.

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.
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

dopting a design with high dust holding capacity and low flow resistance, which can filter out tiny fixed particlesin 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, disassembleis convenient, greatly save the downtime.Easy maintenance--air end maintenance only need to disassemble the air end, motor maintenance only need to disassemble 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, so as 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 increase 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 temperature 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 (MPa)	Air outlet diameter	Lubricating oil volume (L)	Noise level dB(A)	Driven method	Start method	Extenal dimensions L*W*H(mm)	Weight (kg)
	kw	hp									
SLT-7.5F	7.5	10	1.19 1.09 0.99 0.82	0.7 0.8 1.0 1.2	1DN20	10	60±2	Direct drive	Y-Δ	960*690*925	270
SLT-11F	11	15	2.09 2.0 1.58 1.24	0.7 0.8 1.0 1.2	DN25	16	62±2	Direct drive	Y-Δ	1090*740*1080	360
SLT-15F	15	20	2.6 2.4 2.12 2.0	0.7 0.8 1.0 1.2	DN25	16	62±2	Direct drive	Y-Δ	1090*740*1080	390
SLT-18.5F	18.5	25	3.2 2.89 2.7 2.24	0.7 0.8 1.0 1.2	DN25	18	64±2	Direct drive	Y-Δ	1310*1040*1170	550
SLT-22F	22	30	4.0 3.59 3.5 2.88	0.7 0.8 1.0 1.2	DN25	18	64±2	Direct drive	Y-Δ	1310*1040*1170	550
SLT-30F	30	40	5.6 4.81 4.49 3.96	0.7 0.8 1.0 1.2	DN40	30	66±2	Direct drive	Y-Δ	1500*1027*1273	730
SLT-37F	37	50	6.31 6.19 6.14 4.52	0.7 0.8 1.0 1.2	DN40	30	66±2	Direct drive	Y-Δ	1500*1027*1273	750
SLT-45F	45	60	7.69 7.49 7.24 6.05	0.7 0.8 1.0 1.2	DN40	30	66±2	Direct drive	Y-Δ	1500*1027*1273	800
SLT-55F	55	75	9.79 9.67 7.61 7.13	0.7 0.8 1.0 1.2	DN50	65	68±2	Direct drive	Y-Δ	1908*1268*1600	1750
SLT-75F	75	100	13.15 12.98 11.88 11.32	0.7 0.8 1.0 1.2	DN50	65	68±2	Direct drive	Y-Δ	1908*1268*1600	1850
SLT-90F	90	125	15.9 15.7 12.76 12.02	0.7 0.8 1.0 1.2	DN50	72	70±2	Direct drive	Y-Δ	1908*1268*1600	1850
SLT-110F	110	150	19.64 19.47 15.7 14.71	0.7 0.8 1.0 1.2	DN65	90	70±2	Direct drive	Y-Δ	2460*1670*1700	2200
SLT-132F	132	175	22.52 22.27 19.66 18.53	0.7 0.8 1.0 1.2	DN65	90	70±2	Direct drive	Y-Δ	2460*1670*1700	2500
SLT-160F	160	215	29.4 28.3 25.0 21.15	0.7 0.8 1.0 1.2	DN65	90	75±3	Direct drive	Y-Δ	3400*2100*2260	3200
SLT-185F	185	250	32.3 31.9 28.5 24.8	0.7 0.8 1.0 1.2	DN65	180	75±3	Direct drive	Y-Δ	3760*2100*2260	3200
SLT-200F	200	270	35.8 34.4 32.6 28.0	0.7 0.8 1.0 1.2	DN80	180	77±3	Direct drive	Y-Δ	2650*1488*1900	4400
SLT-250F	250	350	45.9 44.0 36.3 33.8	0.7 0.8 1.0 1.2	DN100	200	78±3	Direct drive	Y-Δ	3000*1740*2100	4700
SLT-280F	280	375	52.3 48.5 44.6 38.2	0.7 0.8 1.0 1.2	DN100	200	82±3	Direct drive	Y-Δ	3000*1740*2100	4950
SLT-315F	315	428	58.8 54.0 48.5 44.5	0.7 0.8 1.0 1.2	DN125	200	85±3	Direct drive	Y-Δ	3300*2200*2100	5600
SLT-355F	355	482	66.2 61.0 53.9 48.2	0.7 0.8 1.0 1.2	DN100	200	85±3	Direct drive	Y-Δ	3300*2200*2100	6500

PM VSD SCREW AIR COMPRESSOR

- Ntelligent 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, frequency fluctuations.

2.The Latest Generation High Efficiency Permanent Motor

Insulation grade F, protective grade IP55, suitable for the bad working conditions.No gearbox design, motor and main rotor through the coupling directly connected, high transmission efficiency.Wide range of speed regulation, high precision, wide range of air flow regulation.The efficiency of the permanent magnet motor is higher 3%-5% than regular motor, efficiency is constant, when the speed drops, still remain the 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.

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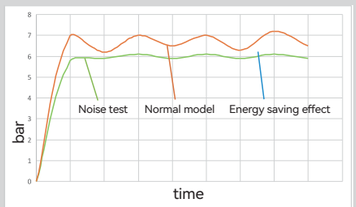
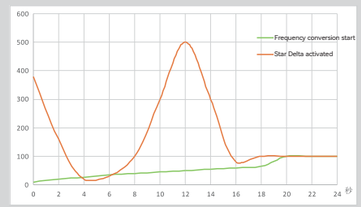
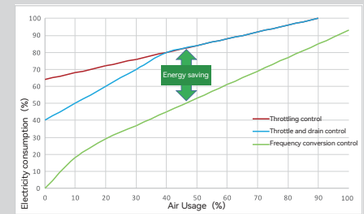
Overall energy saving

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







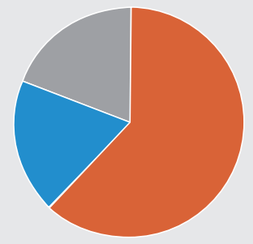
1.The pressure control of variable speed air compressor is precise. It can quickly respond to pressure changes, adjust the speed of the permanent magnet motor, control the pressure fluctuation range within ±0.1bar, stabilize the pressure of the pipe network, provide the necessary air volume with the 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 starting smoothly. Reduce the starting power, reduce the impact on the power grid and equipment, and can reduce the equipment operation noise.

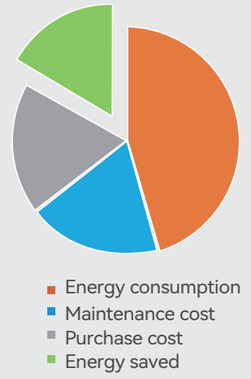
3.Variable speed control is more excellent than ordinary throttle control. The adjustment range of the flow rate is larger, and with the high- efficiency permanent magnet motor, the energy saving effect is more significant at a low percentage flow rate.

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 situationfor the enterprise.

Cost of regular air compressor

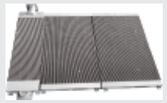


Cost of varible speed air compressor



PM VSD SCREW AIR COMPRESSOR

COOLER



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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.

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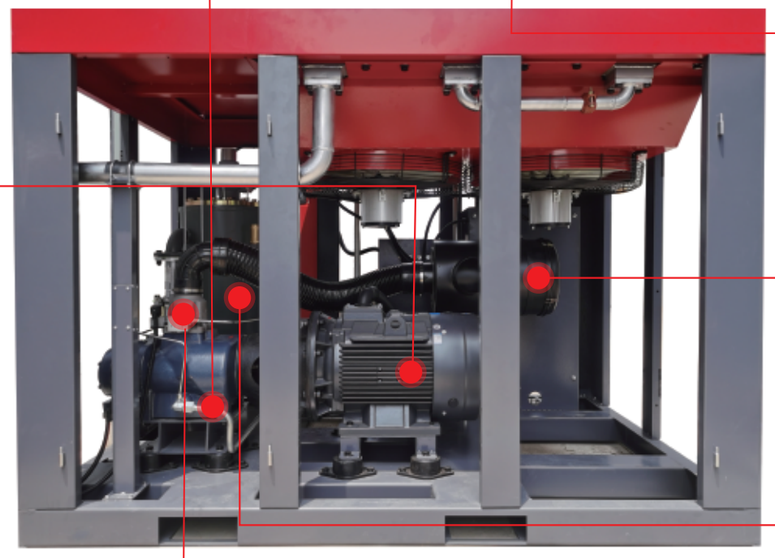

CONTROLLER

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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, resistances 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

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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.

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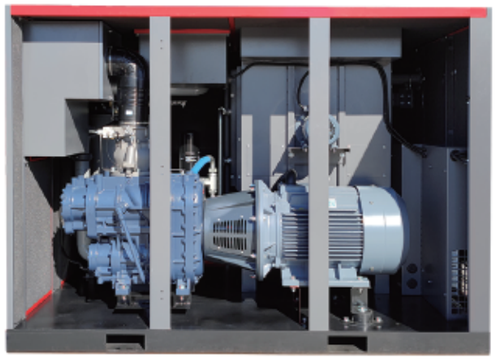
- Low Noise

Variable Speed Screw Air Compressor Specification

Model	Power		Capacity (M^3/Min)	Working pressure (MPa)	Air outlet diameter	Lubricating oil volume (L)	Noise level dB(A)	Driven method	Start method	Extenal dimensions L*W*H(mm)	Weight (kg)
	kw	hp									
SLT-7.5V	7.5	10	1.19 1.09 0.99 0.82	0.7 0.8 1.0 1.2	DN20	10	60±2	Direct drive	PM VSD	960*690*925	270
SLT-11V	11	15	2.09 2.0 1.58 1.24	0.7 0.8 1.0 1.2	DN25	16	62±2	Direct drive	PM VSD	1090*740*1080	360
SLT-15V	15	20	2.6 2.4 2.12 2.0	0.7 0.8 1.0 1.2	DN25	16	62±2	Direct drive	PM VSD	1090*740*1080	390
SLT-18.5V	18.5	25	3.2 2.89 2.7 2.24	0.7 0.8 1.0 1.2	DN25	18	64±2	Direct drive	PM VSD	1310*1040*1170	550
SLT-22V	22	30	4.0 3.59 3.5 2.88	0.7 0.8 1.0 1.2	DN25	18	64±2	Direct drive	PM VSD	1310*1040*1170	550
SLT-30V	30	40	5.6 4.81 4.49 3.96	0.7 0.8 1.0 1.2	DN40	30	66±2	Direct drive	PM VSD	1500*1027*1273	730
SLT-37V	37	50	6.31 6.19 6.14 4.52	0.7 0.8 1.0 1.2	DN40	30	66±2	Direct drive	PM VSD	1500*1027*1273	750
SLT-45V	45	60	7.69 7.49 7.24 6.05	0.7 0.8 1.0 1.2	DN40	30	66±2	Direct drive	PM VSD	1500*1027*1273	800
SLT-55V	55	75	9.79 9.67 7.61 7.13	0.7 0.8 1.0 1.2	DN50	65	68±2	Direct drive	PM VSD	1908*1268*1600	1750
SLT-75V	75	100	13.15 12.98 11.88 11.32	0.7 0.8 1.0 1.2	DN50	65	68±2	Direct drive	PM VSD	1908*1268*1600	1850
SLT-90V	90	125	15.9 15.7 12.76 12.02	0.7 0.8 1.0 1.2	DN50	72	70±2	Direct drive	PM VSD	1908*1268*1600	1850
SLT-110V	110	150	19.64 19.47 15.7 14.71	0.7 0.8 1.0 1.2	DN65	90	70±2	Direct drive	PM VSD	2460*1670*1700	2200
SLT-132V	132	175	22.52 22.27 19.66 18.53	0.7 0.8 1.0 1.2	DN65	90	70±2	Direct drive	PM VSD	2460*1670*1700	2500
SLT-160V	160	215	29.4 28.3 25.0 21.15	0.7 0.8 1.0 1.2	DN65	90	75±3	Direct drive	PM VSD	3400*2100*2260	3200
SLT-185V	185	250	32.3 31.9 28.5 24.8	0.7 0.8 1.0 1.2	DN65	180	75±3	Direct drive	PM VSD	3760*2100*2260	3200
SLT-200V	200	270	35.8 34.4 32.6 28.0	0.7 0.8 1.0 1.2	DN80	180	77±3	Direct drive	PM VSD	2650*1488*1900	4400
SLT-250V	250	350	45.9 44.0 36.3 33.8	0.7 0.8 1.0 1.2	DN100	200	78±3	Direct drive	PM VSD	3000*1740*2100	4700
SLT-280V	280	375	52.3 48.5 44.6 38.2	0.7 0.8 1.0 1.2	DN100	200	82±3	Direct drive	PM VSD	3000*1740*2100	4950
SLT-315V	315	428	58.8 54.0 48.5 44.5	0.7 0.8 1.0 1.2	DN125	200	85±3	Direct drive	PM VSD	3300*2200*2100	5600
SLT-355V	355	482	66.2 61.0 53.9 48.2	0.7 0.8 1.0 1.2	DN100	200	85±3	Direct drive	PM VSD	3300*2200*2100	6500

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 oad, 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 the 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.

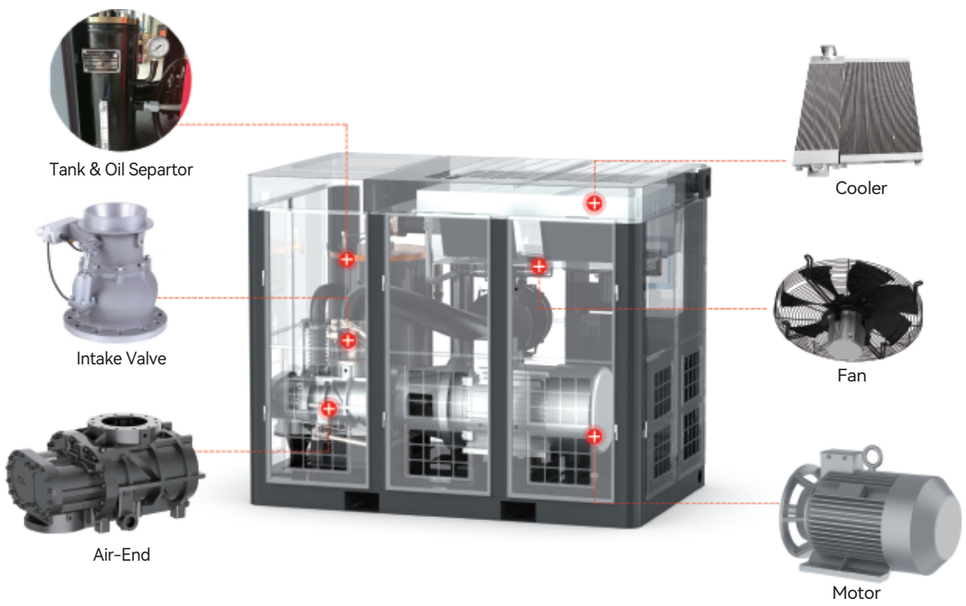
Two-stage Pm Vsd Air Compressor Series compressor

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	1.85-4.1	22	30	65±3	G2	1500	1860	1180	1430
	10	1.65-3.4	22	30	65±3	G2	1500	I860	1180	1430
	13	/	22	30	65±3	G2	1500	1860	1180	1430
SLTT-37V	8	2.3-7.7	37	50	65±3	G2	1800	1860	1180	1430
	10	1.9-6.9	37	50	65±3	G2	1800	I860	1180	1430
	13	/	37	50	65±3	G2	1800	1860	1180	1430
SLTT-45V	8	3.2-10.5	45	60	65±3	G2	2000	1860	1180	1430
	10	2.2-7.8	45	60	65±3	G2	2000	1860	1180	1430
	13	2.5-6.1	45	60	65±3	G2	2000	1860	1180	1430
SLTT-55V	8	3.9-13.2	55	75	65±3	G2	2450	2160	1350	1750
	10	3.1-10.7	55	75	65±3	G2	2450	2160	1350	1750
	13	2.6-8.8	55	75	65±3	G2	2450	2160	1350	1750
SLTT-75V	8	5.0-16.8	75	100	68±3	G2	2550	2160	1350	1750
	10	4.1-13.8	75	100	68±3	G2	2550	2160	1350	1750
	13	3.6-12.3	75	100	68±3	G2	2550	2160	1350	1750
SLTT-90V	8	6.0-20.1	90	120	70±3	DN65	3250	2420	1530	1720
	10	5.2-17.3	90	120	70±3	DN65	3250	2420	1530	1720
	13	4.8-15.9	90	120	70±3	DN65	3250	2420	1530	1720
SLTT-110V	8	7.1-23.5	110	150	72±3	DN80	3600	2650	1600	1850
	10	5.9-19.8	110	150	72±3	DN80	3600	2650	1600	1850
	13	5.3-17.8	110	150	72±3	DN80	3600	265	1600	1850
SLTT-132V	8	8.0-28.1	132	175	74±3	DN80	3700	2650	1600	1850
	10	7.3-24.3	132	175	74±3	DN80	3700	2650	1600	1850
	13	6.1-20.2	132	175	74±3	DN80	3700	2650	1600	1850
SLTT-160V	8	10.1-33.6	160	215	75±3	DN100	4250	3350	1900	1950
	10	9.2-30.5	160	215	75±3	DN100	4250	3350	1900	1950
	13	8.4-28.0	160	215	75±3	DN100	4250	3350	1900	1950
SLTT-185V	8	12.4-38.7	185	250	76±3	DN100	4650	3350	1900	1950
	10	10.4-34.8	185	250	76±3	DN100	4650	3350	1900	1950
	13	9.7-32.3	185	250	76±3	DN100	4650	3350	1900	1950
SLTT-200V	8	12.8-42.6	200	270	76±3	DN100	5550	3350	1900	1950
	10	12.2-40.5	200	270	76±3	DN100	5550	3350	1900	1950
	13	10.6-35.1	200	270	76±3	DN100	5550	3350	1900	1950
SLTT-220V	8	14.2-47.3	220	300	78±3	DN100	5650	3700	2060	2150
	10	12.8-42.5	220	300	78±3	DN100	5650	3700	2060	2150
	13	12.0-37.4	220	300	78±3	DN100	5650	3700	2060	2150
SLTT-250V	8	18.5-52.8	250	350	78±3	DN100	6450	3700	2060	2150
	10	15.1-48.3	250	350	78±3	DN100	6450	3700	2060	2150
	13	13.3-43.0	250	350	78±3	DN100	6450	3700	2060	2150

LOW-PRESSURE SCREW AIR COMPRESSOR

The host specially developed for low pressure conditions optimizes the screw profile and internal pressure to improve the efficiency of the host. 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 host. 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	Length	Width	Height
SLTL-22S	3	6.31	22	30	62±3	DN50	1330	1415	1030	1330
	4	6.29	22	30	62±3	DN50	1330	1415	1030	1330
	5	6.18	22	30	62±3	DN50	1330	1415	1030	1330
SLTL-37S	3	9.28	37	50	65±3	DN65	1420	1900	1200	1650
	4	9.27	37	50	65±3	DN65	1420	1900	1200	1650
	5	9.24	37	50	65±3	DN65	1420	1900	1200	1650
SLTL-55S	3	15.07	55	75	68±3	DN80	2100	2160	1500	1750
	4	14.82	55	75	68±3	DN80	2100	2160	1500	1750
	5	12.8	55	75	68±3	DN80	2100	2160	1500	1750
SLTL-75S	3	19.27	75	100	68±3	DN125	2700	2900	1830	2000
	4	19.24	75	100	68±3	DN125	2700	2900	1830	2000
	5	14.63	75	100	68±3	DN125	2700	2900	1830	2000
SLTL-90S	3	22.25	90	120	73±3	DN125	3800	2900	1830	2000
	4	22.03	90	120	73±3	DN125	3800	2900	1830	2000
	5	19.21	90	120	73±3	DN125	3800	2900	1830	2000
SLTL-110S	3	30.81	110	150	74±3	DN125	4000	2900	1830	2000
	4	24.52	110	150	74±3	DN125	4000	2900	1830	2000
	5	24.39	110	150	74±3	DN125	4000	2900	1830	2000
SLTL-132S	3	30.93	132	175	76±3	DN125	4800	2900	1830	2000
	4	30.72	132	175	76±3	DN125	4800	2900	1830	2000
	5	30.58	132	175	76±3	DN125	4800	2900	1830	2000
SLTL-160S	3	40.8	160	215	76±3	DN150	4800	3400	2050	2250
	4	40.4	160	215	76±3	DN150	4800	3400	2050	2250
	5	39.8	160	215	76±3	DN150	4800	3400	2050	2250

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	Length	Width	Height
SLTL-55T	3	13.59	55	75	65±3	DN65	3500	2160	1350	1750
	4	15.77	55	75	65±3	DN65	3500	2160	1350	1750
	5	14.86	55	75	65±3	DN65	3500	2160	1350	1750
SLTL-75T	3	21.71	75	100	68±3	DN65	3750	2420	1530	1720
	4	19.53	75	100	68±3	DN65	3750	2420	1530	1720
	5	18.02	75	100	68±3	DN65	3750	2420	1530	1720
SLTL-90T	3	26.5	90	120	75±3	DN80	3800	3100	1830	2000
	4	25.46	90	120	75±3	DN80	3800	3100	1830	2000
	5	21.67	90	120	75±3	DN80	3800	3100	1830	2000
SLTL-110T	3	32.56	110	150	78±3	DN80	4200	3100	1830	2000
	4	31.46	110	150	78±3	DN80	4200	3100	1830	2000
	5	28.04	110	150	78±3	DN80	4200	3100	1830	2000
SLTL-132T	3	36.60	132	175	78±3	DN125	5000	3500	2150	2250
	4	32.52	132	175	78±3	DN125	5000	3500	2150	2250
	5	31.43	132	175	78±3	DN125	5000	3500	2150	2250
SLTL-160T	3	40.99	160	215	78±3	DN125	5900	3500	2150	2250
	4	39.86	160	215	78±3	DN125	5900	3500	2150	2250
	5	39.82	160	215	78±3	DN125	5900	3500	2150	2250
SLTL-200T	3	54.98	200	270	80±3	DN150	7800	4100	2280	2550
	4	50.64	200	270	80±3	DN150	7800	4100	2280	2550
	5	50.59	200	270	80±3	DN150	7800	4100	2280	2550

DRY OIL-FREE SCREW AIR COMPRESSOR

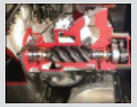
IRAIND Co

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 volunme



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 withthe motor; special program, fully monitor the parameters of the machine, automatically control the state of the machine, no need for special care; independent air ductdesign, suitable for each kinds of working conditions.

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

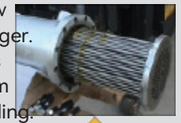
Noise reduction sheet metal design

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

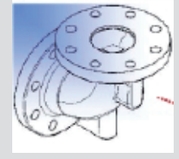
Efficient water cooler



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 end 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 regularreplacement of pneumatic components, reducing unnecessary downtime and maintenance costs.

IRAIND Co

Dry Oil-Free Variable Speed Screw Air Compressor

Model	Working pressure		Capacity		Power		Noise	Air outlet pipe diameter	Net weight		Dimensions(mm)					
											Air-cooled L*W*H			Water-cooled L*W*H		
	bar	psig	m^3/min	cfm	kW	hp	dB		Air-cooled	Water-cooled						
SLTOF-45VD	7	102	4.4- 7.6	55.3- 268.4	45	60	69±3	DN50	2650	2700	2200	1400	2000	2300	1150	1720
	8	116	4.4- 7.6	155.3- 268.4	45	60	69±3	DN50	2650	2700	2200	1400	2000	2300	1500	1720
	10	145	3.9- 6.9	137.7- 243.7	45	60	69±3	DN50	2650	2700	2200	1400	2000	2300	1500	1720
SLTOF-55VD	7	102	5.6- 9.6	197.7- 339	55	75	69±3	DN50	2850	2900	2200	1400	2000	2300	1500	1720
	8	116	5.1- 8.9	180.1- 314.3	55	75	69±3	DN50	2850	2900	2200	1400	2000	2300	1500	1720
	10	145	4.5- 7.9	158.9- 278.9	55	75	69±3	DN50	2850	2900	2200	1400	2000	2300	1500	1720
SLTOF-75VD	7	102	7.3- 12.5	257.8- 441.4	75	100	70±3	DN50	2950	2950	2200	1400	2000	2300	1500	1720
	8	116	7.3- 12.5	257.8- 441.4	75	100	70±3	DN50	2950	2950	2200	1400	2000	2300	1500	1720
	10	145	6.5- 11.2	229.5- 395.5	75	100	70±3	DN50	2950	2950	2200	1400	2000	2300	1500	1720
SLTOF-90VD	7	102	9.4- 16.0	332- 565	90	120	71±3	DN50	3000	3550	2200	1400	2000	2300	1500	1720
	8	116	8.5- 14.5	300.1- 512.1	90	120	71±3	DN50	3000	3550	2200	1400	2000	2300	1500	1720
	10	145	7.5- 12.9	264.9- 455.6	90	120	71±3	DN50	3000	3550	2200	1400	2000	2300	1500	1720
SLTOF-110VD	7	102	11.5- 19.5	406.1- 688.6	110	150	71±3	DN65	3500	3600	3000	1990	2180	2700	1800	1830
	8	116	11.5- 19.5	406.1- 688.6	110	150	71±3	DN65	3500	3600	3000	1990	2180	2700	1800	1830
	10	145	9.5- 16.2	335.5- 572.1	110	150	71±3	DN65	3500	3600	3000	1990	2180	2700	1800	1830
SLTOF-132VD	7	102	13.6- 23.0	480.3- 812.3	132	175	73±3	DN65	3550	3750	3000	1990	2180	2700	1800	1830
	8	116	13.6- 23.0	480.3- 812.3	132	175	73±3	DN65	3550	3750	3000	1990	2180	2700	1800	1830
	10	145	11.8- 20.0	416.7- 706.3	132	175	73±3	DN65	3550	3750	3000	1990	2180	2700	1800	1830
SLTOF-160VD	7	102	15.4- 26.0	543.8- 918.2	160	215	73±3	DN65	3650	4200	3000	1990	2180	2700	1800	1830
	8	116	15.4- 26.0	543.8- 918.2	160	215	73±3	DN65	3650	4200	3000	1990	2180	2700	1800	1830
	10	145	13.9- 23.5	490.9- 829.9	160	215	73±3	DN65	3650	4200	3000	1990	2180	2700	1800	1830
SLTOF-185VD	7	102	17.8- 30.0	628.6- 1059.4	185	250	74±3	DN65	4100	4500	3000	1990	2180	2700	1800	1830
	8	116	17.8- 30.0	628.6- 1059.4	185	250	74±3	DN65	4100	4500	3000	1990	2180	2700	1800	1830
	10	145	15.4- 26.0	543.8- 918.2	185	250	74±3	DN65	4100	4500	3000	1990	2180	2700	1800	1830
SLTOF-200VD	7	102	20.0- 33.6	706.3- 1186.6	200	270	74±3	DN100	/	5200	/	/	/	3100	2100	2065
	8	116	20.0- 33.6	706.3- 1186.6	200	270	74±3	DN100	/	5200	/	/	/	3100	2100	2065
	10	145	17.3- 29.2	610.9- 1031.2	200	270	74±3	DN100	/	5200	/	/	/	3100	2100	2065
SLTOF-250VD	7	102	27.4- 46.0	967.6- 1624.5	250	350	74±3	DN100	/	2900	/	/	/	3100	2100	2065
	8	116	25.0- 42.0	882.9- 1483.2	250	350	74±3	DN100	/	2900	/	/	/	3100	2100	2065
	10	145	22.4- 37.6	791- 1327.8	250	350	74±3	DN100	/	2900	/	/	/	3100	2100	2065

Dry Oil-Free Fixed Speed Screw Air Compressor

Model	Working pressure		Capacity		Power		Noise	Air outlet pipe diameter	Net weight		Dimensions(mm)					
											Air-cooled L*W*H			Water-cooled L*W*H		
	bar	psig	m^3/min	cfm	kW	hp	dB		Air-cooled	Water-cooled						
SLTOF-45FD	7	102	7.6	268.4	45	60	69±3	DN50	2600	2650	2200	1400	2000	2300	1500	1720
	8	116	7.6	268.4	45	60	69±3	DN50	2600	2650	2200	1400	2000	2300	1500	1720
	10	145	6.9	243.7	45	60	69±3	DN50	2600	2650	2200	1400	2000	2300	1500	1720
SLTOF-55FD	7	102	9.6	339	55	75	69±3	DN50	2800	2850	2200	1400	2000	2300	1500	1720
	8	116	8.9	314.3	55	75	69±3	DN50	2800	2850	2200	1400	2000	2300	1500	1720
	10	145	7.9	279	55	75	69±3	DN50	2800	2850	2200	1400	2000	2300	1500	1720
SLTOF-75FD	7	102	12.5	441.4	75	100	70±3	DN50	2900	2850	2200	1400	2000	2300	1500	1720
	8	116	12.5	441.4	75	100	70±3	DN50	2900	2850	2200	1400	2000	2300	1500	1720
	10	145	11.2	395.5	75	100	70±3	DN50	2900	2850	2200	1400	2000	2300	1500	1720
SLTOF-90FD	7	102	16	565	90	120	71±3	DN50	3100	2850	3000	1990	2180	2300	1500	1720
	8	116	14.5	512.1	90	120	71±3	DN50	3100	2850	2200	1400	2000	2300	1500	1720
	10	145	12.9	455.6	90	120	71±3	DN50	3100	2850	2200	1400	2000	2300	1500	1720
SLTOF-110FD	7	102	19.5	688.6	110	150	71±3	DN65	3400	3450	3000	1990	2180	2700	1800	1830
	8	116	19.5	688.6	110	150	71±3	DN65	3400	3450	3000	1990	2180	2700	1800	1830
	10	145	16.2	572.1	110	150	71±3	DN65	3400	3450	3000	1990	2180	2700	1800	1830
SLTOF-132FD	7	102	23	812.2	132	175	73±3	DN65	3450	3500	3000	1990	2180	2700	1800	1830
	8	116	23	812.2	132	175	73±3	DN65	3450	3500	3000	1990	2180	2700	1800	1830
	10	145	20	706.3	132	175	73±3	DN65	3450	3500	3000	1990	2180	2700	1800	1830
SLTOF-160FD	7	102	26	918.2	160	215	73±3	DN65	3550	3650	3000	1990	2180	2700	1800	1830
	8	116	26	918.2	160	215	73±3	DN65	3550	3650	3000	1990	2180	2700	1800	1830
	10	145	23.5	829.9	160	215	73±3	DN65	3550	3650	3000	1990	2180	2700	1800	1830
SLTOF-185FD	7	102	30	1059.4	185	250	74±3	DN65	3950	4050	3000	1990	2180	2700	1800	1830
	8	116	30	1059.4	185	250	74±3	DN65	3950	4050	3000	1990	2180	2700	1800	1830
	10	145	26	918.2	185	250	74±3	DN65	3950	4050	3000	1990	2180	2700	1800	1830
SLTOF-200FD	7	102	33.6	1186.6	200	270	74±3	DN100	/	4500	/	/	/	3100	2100	2065
	8	116	33.6	1186.6	200	270	74±3	DN100	/	4500	/	/	/	3100	2100	2065
	10	145	29.2	1031.2	200	270	74±3	DN100	/	4500	/	/	/	3100	2100	2065
SLTOF-250FD	7	102	46	1624.5	250	350	74±3	DN100	/	5200	/	/	/	3100	2100	2065
	8	116	42	1483.2	250	350	74±3	DN100	/	5200	/	/	/	3100	2100	2065
	10	145	37.6	1327.8	250	350	74±3	DN100	/	5200	/	/	/	3100	2100	2065

WATER INJECTED OIL-FREE SCREW AIR COMPRESSOR

IRAIND Co

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 cmpressor, 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 the

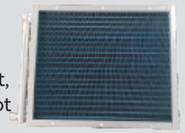
Advanced and reliable electronic control system

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 andmulti- channel temperature sensor, compre hensivedetection of the running state of the unit, automatic control of the machine state, no need for special care
3. Emergencystopfunction,thereisapush-typeemergency 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 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-levelsensor alarm, automatically eliminate excess water, or make up 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, avoid scaling and protect 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		Capacity		Power		Noise	Air outlet pipe diameter	Net weight	Dimensions(mm)		
	bar	psig	m³/min	cfm	kW	hp	dB		Kg	Length	Width	Height
SLTOF-7FW	7	102	1.2	42	7.5	10	58±3	G1″	500	1135	800	1000
	8	116	1.1	39	7.5	10	58±3	G1″	500	1135	800	1000
	10	145	1	35	7.5	10	58±3	G1″	500	1135	800	1000
SLTOF-11FW	7	102	1.6	57	11	15	58±3	G1″	500	1135	800	1000
	8	116	1.5	53	11	15	58±3	G1″	500	1135	800	1000
	10	145	1.3	46	11	15	58±3	G1″	500	1135	800	1000
SLTOF-15FW	7	102	2	71	15	20	60±3	G1″	550	1400	1000	1200
	8	116	1.8	64	15	20	60±3	G1″	550	1400	1000	1200
	10	145	/	/	15	20	60±3	G1″	550	1400	1000	1200
SLTOF-18.5FW	7	102	3.1	109	18.5	25	61±3	G1″	600	1400	1000	1200
	8	116	2.8	99	18.5	25	61±3	G1″	600	1400	1000	1200
	10	145	2.5	88	18.5	25	61±3	G1″	600	1400	1000	1200
SLTOF-22FW	7	102	3.7	131	22	30	61±3	G1″	655	1400	1000	1200
	8	116	3.4	120	22	30	61±3	G1″	655	1400	1000	1200
	10	145	3	106	22	30	61±3	G1″	655	1400	1000	1200
SLTOF-30FW	7	102	5.2	184	30	40	64±3	G11/2″	1150	1920	1170	1320
	8	116	4.7	166	30	40	64±3	G11/2″	1150	1920	1170	1320
	10	145	4.3	152	30	40	64±3	G11/2″	1150	1920	1170	1320
SLTOF-37FW	7	102	6.1	215	37	50	64±3	G11/2″	1200	1920	1170	1320
	8	116	5.6	198	37	50	64±3	G11/2″	1200	1920	1170	1320
	10	145	5	177	37	50	64±3	G11/2″	1200	1920	1170	1320
SLTOF-45FW	7	102	7.5	265	45	60	66±3	G11/2″	1320	1920	1170	1320
	8	116	6.8	240	45	60	66±3	G11/2″	1320	1920	1170	1320
	10	145	6	212	45	60	66±3	G11/2″	1320	1920	1170	1320
SLTOF-55FW	7	102	10	353	55	75	66±3	DN50	1520	1930	1320	1535
	8	116	9	318	55	75	66±3	DN50	1520	1930	1320	1535
	10	145	7.8	275	55	75	66±3	DN50	1520	1930	1320	1535
SLTOF-75FW	7	102	13	459	75	100	70±3	DN50	1620	1930	1320	1535
	8	116	12	424	75	100	70±3	DN50	1620	1930	1320	1535
	10	145	10	353	75	100	70±3	DN50	1620	1930	1320	1535
SLTOF-90FW	7	102	15.5	547	90	120	70±3	DN50	1800	1930	1320	1535
	8	116	14	494	90	120	70±3	DN50	1800	1930	1320	1535
	10	145	12.5	441	90	120	70±3	DN50	1800	1930	1320	1535
SLTOF-110FW	7	102	20	706	110	150	72±3	DN80	3100	2300	1600	1750
	8	116	18	636	110	150	72±3	DN80	3100	2300	1600	1750
	10	145	16	565	110	150	72±3	DN80	3100	2300	1600	1750
SLTOF-132FW	7	102	25	883	132	175	72±3	DN80	3250	2300	1600	1750
	8	116	23	812	132	175	72±3	DN80	3250	2300	1600	1750
	10	145	20	706	132	175	72±3	DN80	3250	2300	1600	1750
SLTOF-160FW	7	102	27	953	160	215	72±3	DN100	4500	2860	1500	2020
	8	116	25.5	901	160	215	72±3	DN100	4500	2860	1500	2020
	10	145	24	848	160	215	72±3	DN100	4500	2860	1500	2020
SLTOF-185FW	7	102	30	1059	185	250	74±3	DN100	4500	2860	1500	1750
	8	116	28	989	185	250	74±3	DN100	4500	2860	1500	1750
	10	145	25	883	185	250	74±3	DN100	4500	2860	1850	1750
SLTOF-200FW	7	102	36	1271	200	270	74±3	DN125	4800	3150	1850	1750
	8	116	33	1165	200	270	74±3	DN125	4800	3150	1850	1750
	10	145	27	953	200	270	74±3	DN125	4800	3150	1500	1750
SLTOF-250FW	7	102	43	1519	250	350	74±3	DN125	5200	3150	1500	1750
	8	116	41	1448	250	350	74±3	DN125	5200	3150	1500	1750
	10	145	38	1342	250	350	74±3	DN125	5200	3150	1500	1750

Oil- Free Water Lubricated Variable Speed Screw Air Compressor Specification

Model	Working pressure		Capacity		Power		Noise	Air outlet pipe diameter	Net weight	Dimensions(mm)		
	bar	psig	m³/min	cfm	kW	hp	dB		Kg	Length	Width	Height
SLTOF-7VW	7	102	0.7- 1.2	24.7- 42.4	7.5	10	58±3	G1″	500	1135	800	1000
	8	116	0.6- 1.1	21.2- 38.8	7.5	10	58±3	G1″	500	1135	800	1000
	10	145	0.5- 0.9	17.7- 31.8	7.5	10	58±3	G1″	500	1135	800	1000
SLTOF-11VW	7	102	1.0- 1.6	35.3- 56.5	11	15	58±3	G1″	500	1135	800	1000
	8	116	0.9- 1.5	31.8- 53	11	15	58±3	G1″	500	1135	800	1000
	10	145	0.7- 1.3	24.7- 45.9	11	15	58±3	G1″	500	1135	800	1000
SLTOF-15VW	7	102	/	/	15	20	60±3	G1″	550	1170	900	1100
	8	116	1.1- 1.8	38.8- 63.6	15	20	60±3	G1″	550	1400	900	1100
	10	145	/	/	15	20	60±3	G1″	550	1400	900	1100
SLTOF-18.5VW	7	102	1.8- 3.1	63.6- 109.5	18.5	25	61±3	G1″	600	1400	1000	1200
	8	116	1.6- 2.8	56.5- 98.9	18.5	25	61±3	G1″	600	1400	1000	1200
	10	145	1.5- 2.5	53- 88.3	18.5	25	61±3	G1″	600	1400	1000	1200
SLTOF-22VW	7	102	2.2- 3.7	77.7- 130.7	22	30	61±3	G1″	655	1400	1000	1200
	8	116	2.0- 3.4	70.6- 120.1	22	30	61±3	G1″	655	1920	1000	1200
	10	145	1.8- 3.0	63.6- 105.9	22	30	61±3	G1″	655	1920	1000	1200
SLTOF-30VW	7	102	3.1- 5.2	109.5- 183.6	30	40	64±3	G11/2″	1150	1920	1170	1320
	8	116	2.8- 4.7	98.9- 166	30	40	64±3	G11/2″	1150	1920	1170	1320
	10	145	2.5- 4.3	88.3- 151.9	30	40	64±3	G11/2″	1150	1920	1170	1320
SLTOF-37VW	7	102	3.6- 6.1	127.1- 215.4	37	50	64±3	G11/2″	1200	1920	1170	1320
	8	116	3.3- 5.6	116.5- 197.8	37	50	64±3	G11/2″	1200	1920	1170	1320
	10	145	3.0- 5.0	105.9- 176.6	37	50	64±3	G11/2″	1200	1920	1170	1320
SLTOF-45VW	7	102	4.5- 7.5	158.9- 264.9	45	60	66±3	G2″	1320	1920	1170	1320
	8	116	4.0- 6.8	141.3- 240.1	45	60	66±3	G2″	1320	1920	1170	1320
	10	145	3.6- 6.0	127.1- 211.9	45	60	66±3	G2″	1320	1920	1170	1320
SLTOF-55VW	7	102	6.0- 10.0	211.9- 353.1	55	75	66±3	DN80	1520	1920	1320	1535
	8	116	5.4- 9.0	191- 317.8	55	75	66±3	DN80	1520	1930	1320	1535
	10	145	4.6- 7.8	162.4- 275.5	55	75	66±3	DN80	1520	1930	1320	1535
SLTOF-75VW	7	102	7.8- 13.0	275.5- 459.1	75	100	70±3	DN80	1620	1930	1320	1535
	8	116	7.2- 12.0	254.3- 423.8	75	100	70±3	DN80	1620	1930	1320	1535
	10	145	6.0- 10.0	211.9- 353.1	75	100	70±3	DN80	1620	1930	1320	1535
SLTOF-90VW	7	102	9.3- 15.5	328.4- 547.4	90	120	70±3	DN80	1800	1930	1320	1535
	8	116	8.4- 14.0	296.6- 494.4	90	120	70±3	DN80	1800	2300	1320	1535
	10	145	7.5- 12.5	264.9- 41.4	90	120	70±3	DN80	1800	2300	1320	1535
SLTOF-110VW	7	102	12.0- 20.0	423.8- 706.3	110	150	72±3	DN100	3100	2300	1600	1750
	8	116	10.8- 18.0	381.4- 635.7	110	150	72±3	DN100	3100	2300	1600	1750
	10	145	9.6- 16.0	339- 565	110	150	72±3	DN100	3100	2300	1600	1750
SLTOF-132VW	7	102	15.0- 25.0	527.9- 882.9	132	175	72±3	DN100	3250	2300	1600	1750
	8	116	13.8- 23.0	487.3- 812.2	132	175	72±3	DN100	3250	2860	1600	1750
	10	145	12.0- 20.0	423.8- 706.3	132	175	72±3	DN100	3250	2860	1600	1750
SLTOF-160VW	7	102	16.2- 27.0	572.1- 953.5	160	215	72±3	DN125	4500	2860	1600	1800
	8	116	15.3- 25.5	540.3- 900.5	160	215	72±3	DN125	4500	2860	1600	1800
	10	145	14.4- 24.0	508.5- 847.6	160	215	72±3	DN125	4500	2860	1600	1800
SLTOF-185VW	7	102	18.0- 30.0	635.7- 1059.4	185	250	74±3	DN125	4500	2860	1600	1800
	8	116	16.8- 28.0	593.3- 988.8	185	250	74±3	DN125	4500	3150	1600	1800
	10	145	15.0- 25.0	529.7- 882.9	185	250	74±3	DN125	4500	3150	1600	1800
SLTOF-200VW	7	102	21.6- 36.0	762.8- 1271.3	200	270	74±3	G2″	4800	3150	1850	2050
	8	116	19.8- 33.0	699.2- 1165.4	200	270	74±3	G2″	4800	1170	1850	2050
	10	145	16.2- 27.0	572.1- 953.5	200	270	74±3	G2″	4800	1170	1850	2050
SLTOF-250VW	7	102	25.8- 43.0	911.1- 1518.5	250	350	74±3	G2″	5200	3150	1850	2050
	8	116	24.6- 41.0	868.7- 1447.9	250	350	74±3	G2″	5200	3150	1850	2050
	10	145	22.8- 38.0	805.2- 1342	250	350	74±3	G2″	5200	3150	1850	2050

DIESEL PORTABLE SCREW AIR COMPRESSOR

1.Main engine: the main engine and the diesel engine are directly connected through a high elastic coupling with the large diameter rotor design of the third generation 5:6, and there is no increasing gear in the middle. The speed of the main engine is the same as that of the diesel engine and the transmission effectis achieved Higher rate, better reliability, longerlife.

2.Diesel engine: the choice of domestic and foreign famous brand diesel engines such as cummins and yuchai meets the national II emission standards, with strong power and low fuel consumption.

3.The air volume control system is simple and reliable, according to the size of the air consumption, the air intake of 0~100% automatic adjustment, at the same time, automatic adjustment of the diesel engine throttle, maximum diesel saving.

4. Microcomputer intelligent monitoring air compressor exhaust pressure, exhaust temperature, diesel engine speed, oil pressure, water temperature, oil tank level and other operating parameters, with automatic alarm and shutdown protection function.

5.Multi-stage air filter, suitable for dust environment;Multistage fuel filter, suitable for domestic oil quality status;Super large oil-water cooler, suitable for high temperature, especially high altitude and other harsh environment.

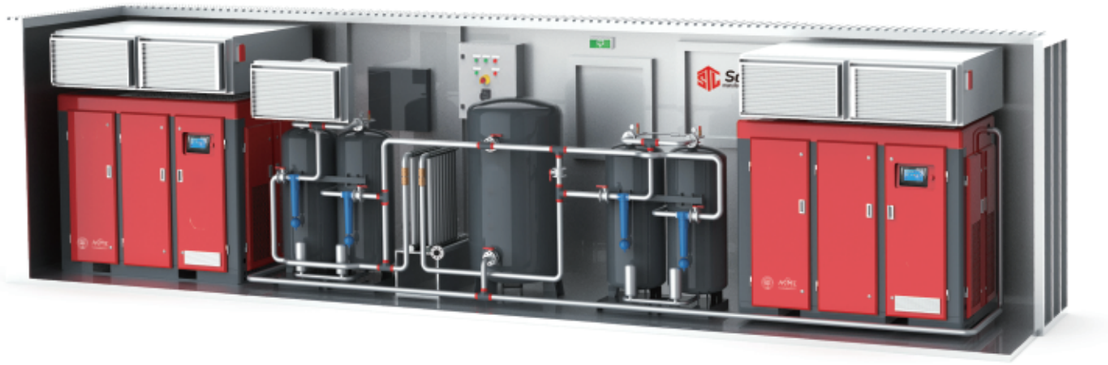
6.Humanized design, need to maintain the parts within the range of maintenance, maintenance of air filter, oil filter, fuel tank, battery and oilcooler, easy and convenient, reduce the downtime.

7.Easy to move, in bad terrain conditions can still move flexibly.Each compressor is equipped with a lifting ring for safe and convenient lifting and transportation.

Portable Diesel Screw Air Compressor Specification

Model	Power Horsepower (KW/HP)	Minimum fuel consumption (g/kw/h)	Machine style compression stage	Outlet size	Dimensions (excluding towing)	Altitude allowed
SLTDP-3/7	Yunnei29/40	180	3-Wheel	25	1630*1200*1420	4 KM
SLTDP-5/7	Xichai37/50	180	3-Wheel	25、32	1630*1200*1420	4 KM
SLTDP-7/7	Xichai55/75	180	3-Wheel	25、25	1630*1200*1420	4 KM
SLTDP-10/8	Xichai70/95	180	3-Wheel	25、25	1630*1200*1420	4 KM
SLTDP-13/10	Cunmins 92/125	180	3-Wheel	25、40	2200*1750*2000	4 KM
SLTDP-16/8	Cunmins 132/180	160	3-Wheel	25、40	2900*1630*1720	4 KM
SLTDP-16/15	Cunmins 140/190	180	1 Stage、4-Wheel	25、50	2400*1750*2000	4 KM
SLTDP-15/13	Cunmins 140/190	180	1 Stage、4-Wheel	25、50	2400*1750*2000	4 KM
SLTDP-17/8	Cunmins 140/190	180	1 Stage、4-Wheel	25、50	2400*1750*2000	4 KM
SLTDP-17/13	Cunmins 140/190	180	1 Stage、4-Wheel	25、50	2400*1750*2000	4 KM
SLTDP-18/17	Cunmins 162/220	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-21/13	Cimmins 162/220	160	2 Stage、 4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-21/17	Cunmins 191/260	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-17/25	Cunmins 228/310	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-25/17	Cunmins 228/310	160	2 Stage、 4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-18/20	Cunmins 162/220	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-20/20	Cunmins 191/260	160	2 Stage 、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-20/25	Cunmins 228/310	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-28/15	Cunmins 228/310	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-24/22	Cunmins 228/310	160	2 Stage、4-Wheel	25、50	3040*2000*2200	4 KM
SLTDP-29/25	Cunmins 310/420	160	2 Stage、4-Wheel	25、50	3600*2000*2200	4 KM
SLTDP-31/25	Cunmins 310/420	160	2 Stage、 4-Wheel	25、50	3600*2000*2200	4 KM
SLTDP-35/30	Cunmins 410/550	160	2 Stage、4-Wheel	25、50	3800*2000*2580	4 KM

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