

Unical Air Compressor(Beijing) Co.,Ltd

www.unical.cn

400-040-7778

**SLWX Series
Oil Free Scroll Air
Compressor**



400-040-7778



Oil Free Scroll Air Compressor produced high quality pure compressed air.

Oil free scroll air compressors produce non-oil, high quality compressed air, which is widely used in the fields of food, medicine, electronics, printing, chemical industry, precision spraying and golf courses.



Proud of Low noise and High pure Oil Free Scroll Air Compressor (5HP-50HP) Producing ISO class A above pure compressed air.

Low noise and Convenience

10-65dB low noise can be used for hospital and office, need not be separately placed. Using chart of LCD controller, can view the status in any state and machine protection. For the maintenance information and output state with multiple functions such as icons, easy to operate.

Multi model selection

Has the ability to manufacture 5hp-50hp oil-free scroll air compressor, according to customer needs to provide the best program.

Excellent durability

It has the advantages of simple structure, fewer parts and less wearing parts, which greatly reduces the possibility of replacement parts and has high durability.

Simple Operation

⊗ Outside fan engine as standard: Prevented the bearing wear caused by garbage, dust, and Insulation decline caused by moisture absorption .

○ *No need to adjust the initial tension of the belt and the maintenance is simple no longer start 400 hours of tension adjustment.

○ *High-performance microcomputer, fully automatic operation

*Energy saving operation

To achieve the most reasonable operation, in case of an air compressor outage, but also by the automatic interlock control to start other air compressor equipment operation. Even if no one can run at night.

Aesthetic design

The design of the front panel is completely different from the previous one, which embodies the beautiful appearance and changes the appearance of the traditional air compressor. Suitable for any company, and can greatly reduce the placement area.

Energy saving design

Energy saving control system

When running alone, there are scattered, partial pressure function.

Multi stage control: An air compressor is equipped with a plurality of compressors, which is according to the air volume running, to achieve the best operation and multiple control systems.

Load rate conversion to reduce maintenance costs

★ Without oil and clean

Lubricated oil type air compressor exhaust gas contains oil, moisture, dust, but this oil-free scroll air compressor, can provide clean air without oil.

Working principle

It is a dynamic and static vortex disk with two equations of double function. In the suction, compression and discharge process, the stator is fixed on the frame, the movable disc is composed of an eccentric shaft drive and control by the anti rotation mechanism, static center around the dish, do the very small radius of plane rotation moving.

Gas through the air filter inhaled static the periphery of the plate, with the eccentric shaft to rotate, and a plurality of crescent gas combination in the dynamic meshing disc compression chamber are being compressed, then the static parts of the axial disc center L continuous discharge.

Quality Air End

Whole import air end, quality assurance

The utility model adopts the asymmetric line, the exhaust is continuous and stable, and the volumetric efficiency is high: the waist type exhaust port can avoid the loss of over compression or under compression

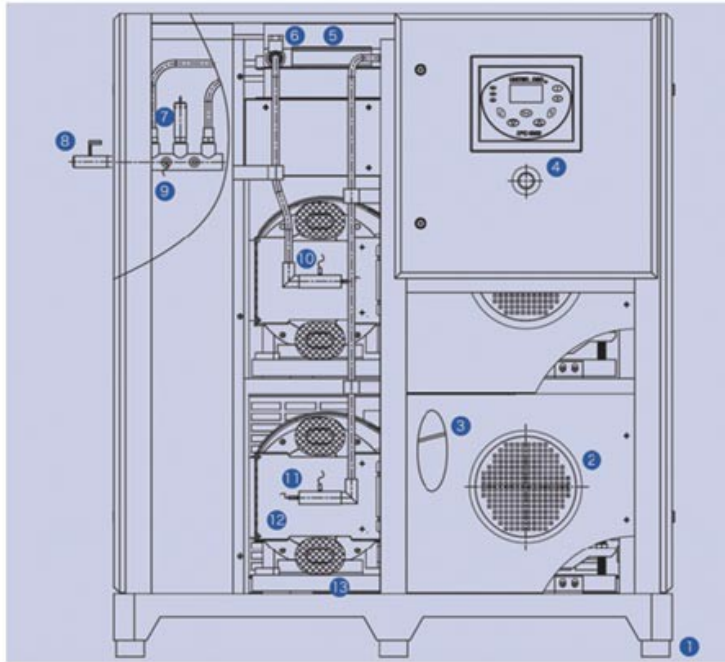
The spare parts is 1/10 of piston, high reliability; static and dynamic disk does not contact, no wear; low pressure structure and frame structure to optimize the bearing capacity of the shaft.

Balance block streamlined design and interior design of anechoic room: moving parts 3D balance technology and auxiliary bearing regulation technology to minimize mechanical vibration.

○ No wearing parts, save maintenance cost: better than the piston machine class 1 level standard of energy efficiency, saving the power.

The air end structure is very compact, the parts and the consumption of components is less than the screw type air compressor, so as to achieve high durability.

The scroll air end adopts the best LAP/GAP design, and adopts the ultra precision machining of the special vortex processing machine, which ensures the highest level of compression efficiency



1. Anti-vibration Rubber pad
2. Air End
3. V-Shape Belt transmission
4. Controller and Electrical components
5. Single phase Valve
6. Safety Valve
7. Pressure Sensor
8. Temperature Switch
9. Temperature Sensor
10. Oil Free Scroll Air End

Oil Free Scroll Air Compressor

Oil Free Scroll Air Compressor									
Model No.	SLWX-35	SLWX-60	SLWX-120	SLWX-180	SLWX-240	SLWX-300	SLWX-360	SLWX-600	
Air delivery	m ³ /min	0.35	0.6	1.2	1.8	2.4	3	3.6	6
	cfm/min	11	22	43	64	85	106	128	222
Operation control mode	Pressure start & stop type								
Rated exhaust pressure	0.7 Mpa /7bar /102psi								
Maxi exhaust pressure	0.8 Mpa/8bar/ 116psi								
Start running speed	3200rpm/min								
Driving mode	Belt Drive								
Discharge air temperature	≤45℃								
Exhaust outlet pipe diameter	3/4 Globe	3/4 Globe valve	3/4 Globe valve	3/4 Globe valve	1 Globe valve	1 Globe valve	1 1/2 Globe valve	1 1/2 Globe valve	
Air Tank Volume L	60 L	110 L	24 L	/	/	/	/	/	
Sound dB(A)	52 dB	53 dB	55 dB	55 dB	58 dB	58 dB	58 dB	65 dB	
Matching motor type	Three phase asynchronous motor								
Motor rated Power	3.7kw	5.5kw	11kw	16.5kw	22kw	30kw	33kw	55kw	
Motor Wave number	50 Hz								
Motor Voltage V	380 V								
Motor Current A	7.8A	11.4A	22.8A	34.2A	45.6A	62.4A	68.4A	114A	
Size: L*W*H(mm)	770*600*690	1200*500*910	1250*760*1090	1250*760*1560	1250*1360*1090	1250*1360*1560	1250*1360*1560	2250*1400*2150	
Weight (Kg)	100	170	440	630	820	1000	1200	1450	

Note: the company has the right to change the design of the product, if the parameters change without notice

