SAYI AIR COMPRESSOR

Oil-free Scroll Air Compressor



SAYI Electric Co., Ltd.
Shanghai Sayi-Yimai Tech Co., Ltd.

Official Website | MIC | Alibaba | Sayiair

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We are Professional Manufacturer of Scroll Air Compressor

22 years Experience

22 acres Covers an Area of Nearly

90,000 square Production Workshop Area











PRESENTATION OF SAYI

SAYI Group, one of the largest leading manufacturers in China, specializes inair compressors, air blowers, and tobacco-baking burner equipment. As a professional manufacturer, the company is located in the eastern new area of Wenling City, Zhejiang Province, which covers an area of nearly 22 acres, i.e., 90,000 square meters of a production workshop zone.

With more than 22 years' experience, advanced equipment, production capability, high quality and stable lead time, which attracts many customers from different countries and our sales revenue is around 90 million U.S. Dollars yearly.

As we used to be cooperated with the brands name of FIAC, ABAC, Ingersoll Rand, Atlas, etc., as their indirect OEM manufacturer. We know how to take care of all our clients equally and with the same dedication and professionalism. Whatever your needs are, we are there to help you and also offer urgent service as well.

At Sayi Compressor and Ventilator Technique we team up with our customers to turn industrial ideas into smart connected air solutions and leading edge compressed air technology. Our passionate employee, expertise and service bring sustainable value to industries everywhere.

(Founded in 2020, Shanghai Sayi Yimai Technology Co., Ltd. is a subsidiary company of SAYI group, Which in charge of all business overseas.) depends on the situations

SAYI
AIR COMPRESSOR

Reduce Your Risk

No one likes unexpected surprises, breakdowns or complete system shutdowns. Sayi promises to do whatever it takes to keep your systems running and proactively prevent any d owntime.

Increase Simplicity

We make the entire selection process as simple as possible for you while tailoring the system to your specific requirements. We collect the data to give you the most accurate suggestions for both systems and service.

Reduce Your Cost

We don't believe in wasteful sales and inefficiency. Our goal is to offer the best product and the lowest total cost of ownership. We will work with you to figure out the right air system and warranty to make you successful.

SAYI PERMANENT MAGNET SYNCHRONOUS MOTOR



Characteristics of Motor

Super-level energy efficiency More energy efficient

The permanent magnet frequency conversion synchronous motor used in SAYI compressor passes national level energy eficiency laboratory tests, have exceeded the national first-class energy efficiency standards.

High Degree Of Protection Design

Safety and reliability have been guaranteed. Motor adopts IP54 high protection grade design, which can prevent failure caused by bad environment.

Comparison of Different Speed Efficiency of Permanent Magnet Synchronous Motor and Asynchronous Induction Motor

Due to different working principles, permanent-magnet variable-frequency synchronous motors maintain more than 95% efficiency and higher power factor at different speeds. The efficiency of permanent magnet frequency conversion synchronous motor at low speed is 20% higher than traditional asynchronous motor.

SAYI AIR COMPRESSOR
OIL-FREE SCROLL AIR COMPRESSOR

1 MORE EFFICIENT
GERMAN TECHNOLOGY

- Technology Innovation
- Long Life
- Low Noise
- High Efficiency Air End
- More Efficient
- Low Vibration



Characteristics of Motor

2 MORE COMFORTABLE
LOWER NOISE

The frequency conversion type supplies energy according to the gas demand, without too much energy loss, the motor running frequency is low, and the mechanical rotation noise is reduced accordingly. Since the frequency conversion adjusts the motor rotation speed, it does not require repeated loading and unloading, which reduces the noise caused by frequent loading and unloading. Continuous loading pressure, reducing the noise generated by the unstable pressure.

3 MORE STABLE
VARIABLE FREQUENCY REGULATION
STABLE SUPPLY PRESSURE

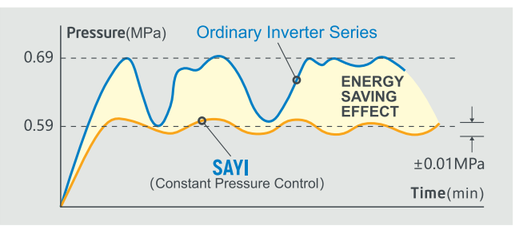


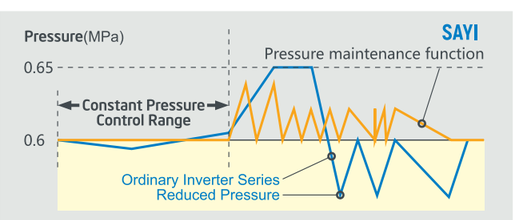
Adopting frequency conversion speed control to make full use of energy-saving effects to create a new generation of energy-saving compressor that saves electricity and energy

The conventional speed regulation method of the air compressor is to adjust the air intake volume by adjusting the inlet valve. The input power is large, and a large amount of energy is consumed in the current-carrying process of the valve. When using the variable frequency speed, if the flow requirements are reduced, the requi0 rements can be met by reducing the speed of the host.

Provide the necessary amount of air with the necessary pressure through constant pressure control

High-accuracy constant-pressure control with a pressure variation .range of +0.01 MPa or less can be performed, effectively providing the machine with the most suitable air pressure necessary. Moreover, the accuracy of the set pressure is 0.01MPa, accurate setting to achieve maximum energy savings.





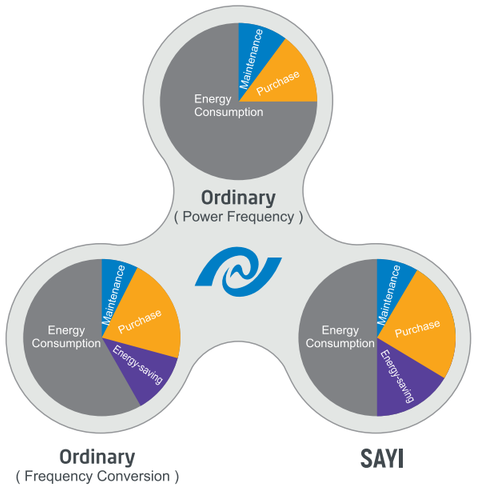
COMPARISON OF ENERGY-SAVING EFFECTS

When buying an air compressor, the traditional cost (ie, purchase cost +maintenance cost) accounts for only 25% of the total cost, while energy consumption accounts for 75%.

ORDINARY (INVERTER) SCROLL AIR COMPRESSOR SAVES 10-20%
ENERGY THAN ORDINARY (POWER FREQUENCY) SCROLL AIR COMPRESSOR

SAYI FREQUENCY CONVERSION SCROLL AIR COMPRESSOR SAVES 33-35%
ENERGY THAN ORDINARY (POWER FREQUENCY) SCROLL AIR COMPRESSOR





1. A 75KW ordinary scroll air compressor runs for8000 hours a year, with an electricity fee of ¥ 0.62/kWh, and the electricity charge for one year is:
   75KW*8000 hours*0.62/KW.h=¥372,000
2. SAYI 75KW scroll air compressor, saving about 35% of energy a year.
   A Total of: 372,000 * 35%=¥130,200
3. Return on Investment (ROI): About 1 Year

▲ Energy consumption ▲ Purchase
▲ Maintenance ▲ Power saving

MAINTENANCE OF AIR COMPRESSOR

We provide selective maintenance services for customer's equipment maintenance. The content is customized for your equipment. You can choose a single price maintenance or choose long-term parts supply or preventive maintenance contract, through the above contract, you can enjoy valued service and guarantee and overhauled and updated parts at competitive price. We also provide energy saving solution, such as energy recovery, frequency conversion, and energy-saving optimization systems, can greatly reduce your production cost.

GENUINE PARTS

Only use genuine parts and service of sayi to ensure the normal operation of the compressor group and normal life to the greatest extent.

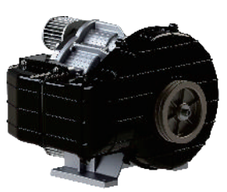
SAYI AIR COMPRESSOR
OIL-FREE SCROLL AIR COMPRESSOR

OIL-FREE SCROLL AIR COMPRESSOR INTRODUCTION

Oil-free scroll air compressor is the newest air compressor developed in recent years. Compared with the traditional air compressor, it has many advantages of novel structure, small size, light weight, low noise, long service life, stable and continuous gas transmission, easy to operate, low maintenance cost and other excellent technical performance. It is praised as “no maintenance air compressor” and “new revolutionary air compressor” in the industry. It is the ideal model for air compressors below 50HP.

Scroll air compressor is composed of the two fixed and orbiting scroll set engaged with each other. In the process of suction, compression and exhaust, the fixed scroll is fixed on the frame, and the orbiting scroll is driven by the eccentric shaft and restricted by the anti-rotation mechanism. It rotates in a planar motion with a small radius around the center of the fixed scroll base. The gas is sucked into the periphery of the fixed scroll through the air filter. With the rotating of eccentric shaft, the gas is gradually compressed in a number of crescent-shaped compression chambers which combined with the fixed and orbiting scroll set, and then continuously discharged via eccentric shaft hole in the center of the fixed scroll.

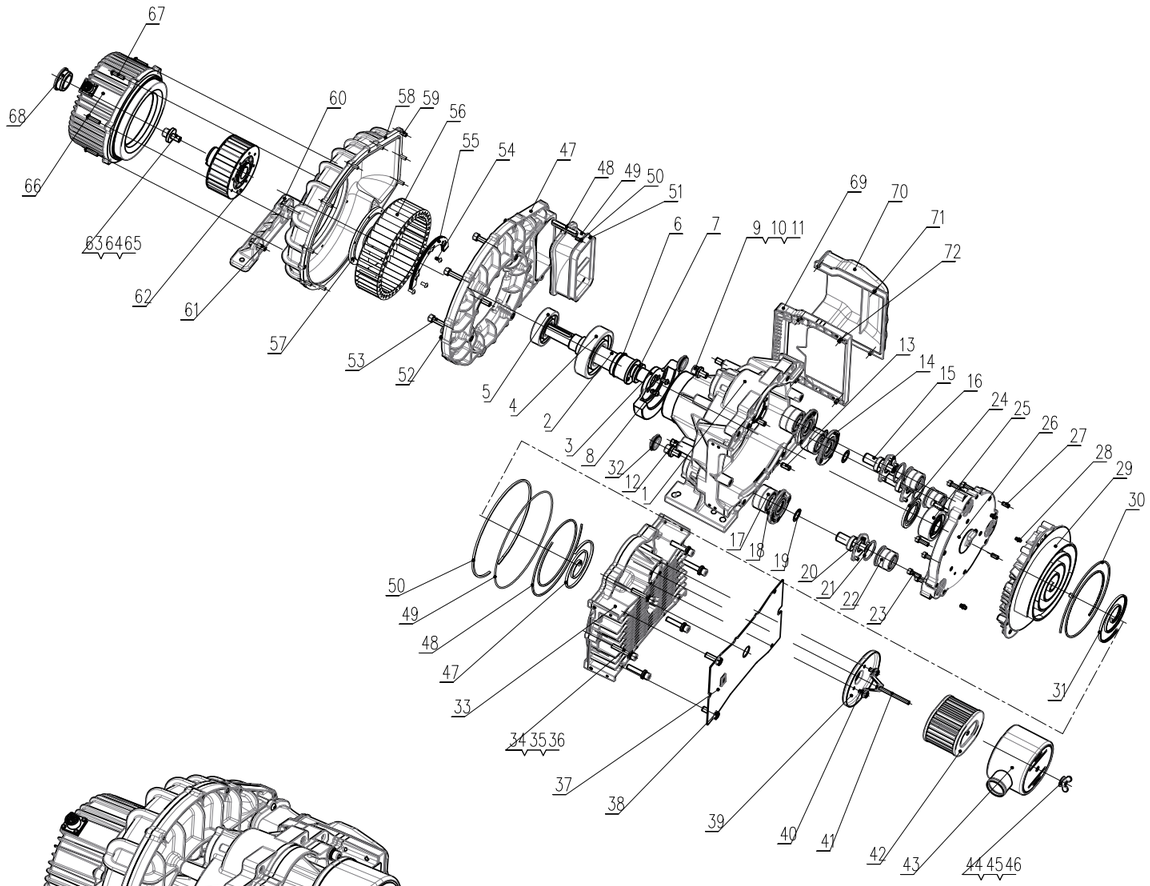


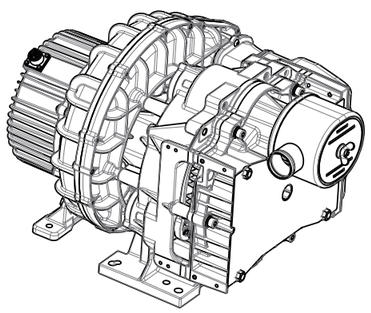












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Technical Parameters of Scroll Compressor:

Model	Power kW	Volt	Control Model	Technical Mpa	Capacity m^3/min	Tank L	Outlet size	Measuremengt (L*W*H)mm	Weight Kg
0.8MPa									
SYO3Z-P22-8	2.2	3P/PM 380V50HZ	Pressure switch type	0.65-0.8	0.24	30	Rp1/2	900*560*900	120
SYOSZ-P37-8	3.7				0.4	30	p1/2	900*560*900	150
SYO6T-Y55-8	5.5				0.6	30	Rp1/2	640*660*890	350
SYOSZ-P75-8	3.7*2				0.8	-	Rp1	1100*700*1200	265
SYOSZ-Y110-8	5.5*2	3P 380V50HZ			1.2	-	Rp1	1000*690*990	340
SYOSZ-Y150-8	3.7*4				1.6	-	Rp1	1420*1010*1200	480
SYOST-Y165-8	5.5*3				1.8	-	Rp1	1150*690*1700	490
SYOST-Y185-8	3.7*5				2.0	-	Rp1/4	1420*1010*1510	630
SYOST-Y220-8	5.5*4				2.4	-	Rp1/4	1490*1150*1290	700
SYOST-Y300-8	3.7*8				3.2	-	Rp1/2	1490*1150*2140	1140
SYO6T-Y330-8	5.5*6				3.6	-	Rp1/2	1490*1150*1700	1010
SYOST-Y450-8	5.5*8				4.8	-	Rp1/2	1490*1150*2140	1320
1.0MPa					-				
SY03Z-P22-10	2.2	3P/PM 380V50H2Z	Pressure switch type	0.85-1.0	0.20	30	Rp1/2	640*660*890	200
SYOSZ-P37-10	4.0				0.6	30	Rp1/2	640*660*890	220
1OSZ-P75-10	3.7*2				0.71	-	Rp1/2	1000*690*990	300
SYOSZ-Y110-10	3.7*3				1.06	-	Rp1	1150*690*1700	430
SYOSZ-Y150-10	3.7*4				1.42	-	Rp1	1490*1150*1290	620
SYOST-Y185-10	3.7*5	3P 380V50HZ			1.77	-	Rp1	1490*1150*1700	840
SYOST-Y220-10	3.7*6				2.12	-	Rp1	1490*1150*1700	910
SYOST-Y300-10	3.7*8				2.88	-	Rp1 1/4	1490*1150*2140	1140