



Reliable & Efficient Screw Air Compressor

Designed and Developed in Japan.



Steel



Textile



Food & Beverages



Pharmaceutical



Rice Industry

Leading Towards The Higher Efficiency

Energy is known as one of the major costs in any processing unit. A significant amount of energy is consumed while making the compressed air from any compressor. So, if we are able to produce good quality air with minimum energy investment, it will benefit us in reducing the total manufacturing cost along with increase in total energy saving in the plant. Production of air with minimum energy requirement depends on the efficiency of compressor. Our compressors are designed and engineered with best engineering standards in Japan and then manufactured with best engineering practices to deliver the air at highest efficiency.



Quality

Performance

Service

The recent changes in the industrial eco system has led industries to have more concern about efficiency and reliability of products rather than cost. Due to increase in manpower and raw material prices in current competitive environment, the industries are bounded to focus on their exact energy requirements to mitigate the overall impact of the price increase. Compressed air is one of the major area of any manufacturing plant where high energy is required to develop the compressed air from the compressor. We as compressor manufacturer are aware of all these facts and in our endeavor to provide you best quality air in most economical way, we have come up with latest compressor technology which consume less power to generate per unit of air.

Sumogrix has always focused on best design, engineering, manufacturing and quality standards and making compressors using best quality raw materials. Our compressors are running efficiently and delivering air at rated specifications in most economical way. We have wide range of capacity to meet your air quantity requirement and suitable to any particular types of applications in the industries.

Premium Features*



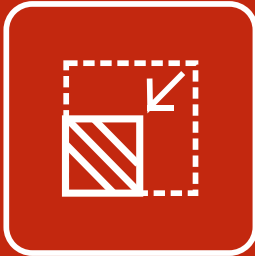
Maximum Ambient
50°C



6-7% - More
Flow



Low Noise Level
70-75 dB(A)



10% Lesser
Footprint



65% Less Oil
Change Cost



30% Reduced
Service Cost



Committed to Efficiency, Reliability & Performance

Airend

- Designed with international standard, top-level third-generation asymmetric wire twin-screw air end which adheres to the exquisite manufacturing process, adopts the peak high efficiency low-pressure, high-efficiency tooth shape.
- Optimized flow channel design with a large rotor, low speed and high efficiency. Increased energy efficiency by 5% -15% compared to others.
- Swedish SKF heavy-duty bearings, double-lip lip shaft seal, durable and reliable design to have life of about 200,000 hours.



Air Intake System

- Reliable and efficient air intake valve is provided, it can automatically adjust the air volume from 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.



Canopy & Base Frame

- Modular metallic design to limit noise level in the limit and user friendly for maintenance and operation.
- Easy to access all parts for repair, maintenance and day to day operation.
- Reliable and heavy sheet metal with powder coated surface finish.

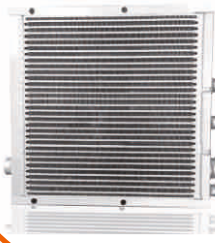


Touch Screen Controller



- 15 + protection functions such as overload protection, short circuit protection, reverse protection, low temperature protection, high voltage protection, etc. to fully protect the unit.
- The advanced microcomputer controlling system has intelligence to indicate working status of each component of the compressor, visual pressure, temperature, current working curve, etc.
- Large memory and equipped with printer interface which can use computer remote monitoring or multiple linkage control between air compressors.

Cooler



- The radiator type 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
- 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.
- The radiator has passed the strict factory test and the quality is reliable.

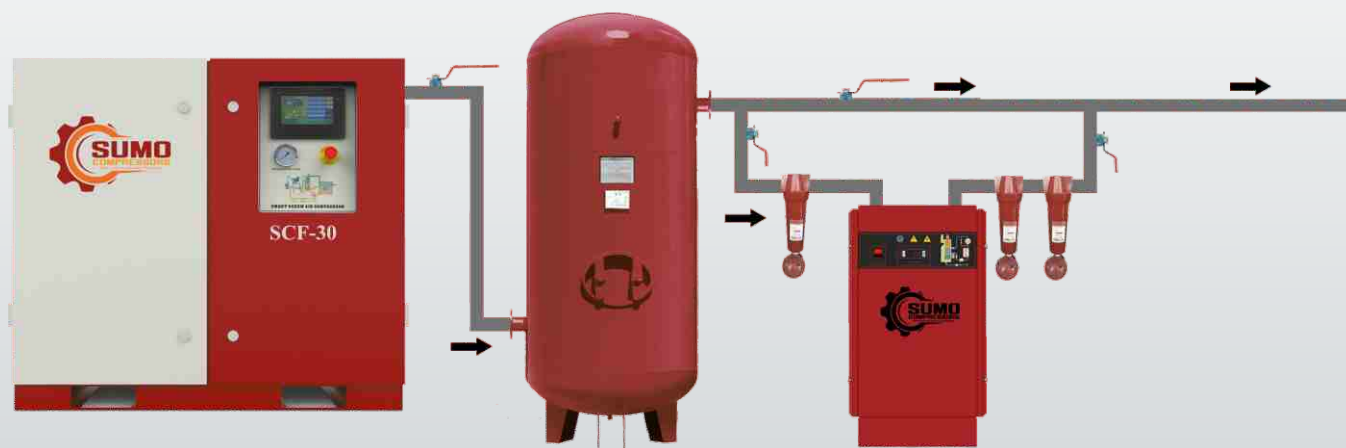
Inverter



- Reliably reduces peak current when it is started, realizes stable starting.
- With high-performance current vector technology, it can easily drive induction motors.
- High performance, high quality design as well as environmental protection with engineered installation space and design standards.



Typical Compressed Air Supply System



Technical Specification

Model	SCF-10	SCF-15	SCF-20	SCF-25	SCF-30	SCF-40	SCF-50	SCF-60
Horsepower (HP)	10	15	20	25	30	40	50	60
Air Displacement/ working pressure (M3/Min/Mpa)	1.2/0.7	1.9/0.7	2.5/0.7	3.2/0.7	3.8/0.7	5.3/0.7	6.8/0.7	7.4/0.7
	1.1/0.8	1.7/0.8	2.3/0.8	3.0/0.8	3.6/0.8	5.0/0.8	6.2/0.8	7.0/0.8
	0.9/1.0	1.6/1.0	2.1/1.0	2.7/1.0	3.2/1.0	4.5/1.0	5.6/1.0	6.2/10
	0.8/1.2	1.4/1.2	1.9/1.2	2.4/1.2	2.7/1.2	4.0/1.2	5.0/1.2	5.6/1.2
Air Flow (M3/min) CFM	1.1/39	1.7/60	2.3/82	3/107	3.6/128	5.0/178	6.2/222	7.0/250
Lubricating Oil Volume (L)	10	16	16	18	18	30	30	30
Noise Level dB(A)	60±2	62±2	62±2	64±2	64±2	66±2	66±2	66±2
Driven Method	Direct Driven	Direct Driven	Direct Driven	Direct Driven	Direct Driven	Direct Driven	Direct Driven	Direct Driven
Approx. Weight (kg)	280	400	420	580	600	680	790	880
External Dimension	Length (mm)	900	1100	100	1200	1200	1460	1460
	Width (mm)	600	730	730	880	880	980	980
	Height (mm)	800	980	980	1080	1080	1230	1230

Compressor Accessories

■ **Dryer**

- Capacity : 40-1000 cfm
- WP: 7-16 Kg/cm²
- Dew Point: +3 Deg C- +7 Deg C
- Maintenance Free & User Friendly
- Low Pressure Drop
- Effective Moisture Separator
- Safety System Protector

■ **Air Receiver/Tank**

- Heavy and Reliable
- Made with Good Engineering practice

■ **Pre Filter**

- Effective and Reliable Pre Filter

■ **After Filter**

- Effective and Reliable After Filter

■ **Carbon Filter**

- Effective and Reliable Carbon Filter

Built-in-Accessories

■ **Moisture Separator**

- To separate condensed moisture

■ **Blow Down Valve**

- Enables low power consumption at low load

■ **Safety Relief Valve**

- To protect against high pressure

■ **Additional Safeties**

- Min. Pressure valve, Oil level indicator etc.



Dryer



Air Receiver Tank



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Authorised Dealer