

Products for the Automotive Market

Collision Repair, Truck Fleet Service, General Maintenance, Tire Service and Racing



Compressed Air

Compressed air is vital to your operation. You use it to change and fill tires, spray paints and finishes, and power most of your tools. In today's automotive service industry, the most reliable and efficient source of high quality compressed air is a Kaeser compressed air system.

Rotary screw compressor technology has become the standard for high quality, efficient compressed air in the automotive market. Major advantages of rotary screw compressors include more air per horsepower, more stable pressure, consistently higher air quality, smoother operation, and extremely low noise levels.

Screw compressors operate at much cooler temperatures, often more than 150°F cooler than the typical piston compressor. This offers not only added safety and comfort, but also better air quality. The completely balanced rotors

combined with minimal moving parts, allow Kaeser units to operate for more than ten times as long as typical piston compressor before requiring an overhaul.

Kaeser knows that today's automotive market has high standards, and with the rising cost of labor, tools and finishes, re-work is expensive. Dry, clean compressed air at a stable system pressure is essential for high-quality results.

With a Kaeser air system, you get products that have proven their reliability and efficiency over and over in industrial applications. Whether your concern is air quality, reducing shop noise, or reducing the time spent on maintenance, Kaeser products can help increase quality, efficiency and productivity.



1 Rotary Screw Compressors

Rotary screw compressors operate on the principle of positive displacement, and use rotating male and female rotors to compress ambient air. Cooling fluid



injected into the housing mixes with air to seal, lubricate, and cool the components. The fluid is separated from the compressed air, cooled, filtered and returned to the injection point. The compressed air passes through an aftercooler to reduce the temperature and is then ready for air treatment equipment. Kaeser's rotary screw compressors feature the proprietary Sigma Profile which produces more air per horsepower than other rotor designs. They also feature



the Sigma Control™ Basic system (optional on SX 6 and 7) that offers a simple and reliable interface with convenient pressure control and

system monitoring. Displays include discharge pressure and temperature, load and service hours as well as fault indicators.

2 Refrigerated Air Dryers

Compressed air must be dry in order to prevent condensation downstream. Refrigerated air dryers are essential for producing air suitable for air tools, instrument air, and paint spraying applications. Kaeser refrigerated dryers produce dew points as low as 35°F. Smooth, heat exchangers with non-fouling surfaces prevent performance degradation, and feature low pressure drop.





3 Filter located behind dryer

AirCenter — A Complete System

To simplify your compressed air system, Kaeser offers all these essential components in easy-to-install AirCenters. Simplex models are offered with one AS, SK, SM, or SX compressor to provide pressures from 80 to 200 psig, and flows from 4.5 to 124 cfm. AirCenters are completely assembled and include a refrigerated dryer, receiver, and an optional filtration package.

Duplex AirCenters include a second compressor and sequencer to increase flows to 248 cfm.

With low noise levels and a compact design, these energy-efficient units are perfect for small shops, auto service centers, or as a backup system.

Integral Dryer and Variable Frequency Drive Options

SM, SK and AS units are also available as “T” models, featuring a compressor and integral dryer in one space-saving unit. These may be easily connected to an existing receiver tank in your shop. Several models are also available with integral Sigma Frequency Control variable speed drive for the ultimate in energy savings.



SFC 11 with variable frequency drive and integral refrigerated air dryer.

3 Compressed Air Filtration



Compressed air filters remove particles from compressed air. Depending on the type of air quality required, Kaeser offers a complete range of filters for flows from 20 to 21,250 scfm. Kaeser particulate filters remove 100% of liquids and solid particles down to 1 micron.

This ensures that compressed air is free from the dirt and debris that can clog air tools. Kaeser fluid removal filters remove 99.99% of fluid aerosols and solid particles to .01 micron, and ensure superior quality paint finishes.

4 Air Receivers



Once the air has been compressed, it must be stored until it is needed. While all of the air-containing devices in an air system “store” air, the air receiver tank provides the bulk of total storage capacity. Sufficient storage with a properly sized receiver tank is critical to ensure that any peaks in demand can be filled without experiencing an excessive drop in system pressure.

Specifications

SX Series



Model	Capacity (cfm)	Standard Pressure (psig)	Motor (hp)	Weight (lb.)
SX 3	13	100	3	276
	11.5	110		
	10.2	125		
	8.5	145		
	5.5	190		
SX 4	17	100	4	276
	15.5	110		
	14	125		
	12	145		
	9	190		
SX 6	23	100	5	276
	21	110		
	20	125		
	17	145		
	13	190		
SX 7	32	100	7.5	353
	30	110		
	28	125		
	25	145		
	20	190		

SM Series



Model	Capacity (cfm)	Standard Pressure (psig)	Motor (hp)	Weight (lb.)
SM 7.5	28	125	7.5	441
	23	160		
	16	217		
SM 10	42	125	10	463
	35	160		
	27	217		
SM 15	53	125	15	485
	44	160		
	34	217		

All SM models available with optional integral dryer.

SK Series



Model	Capacity (cfm)	Standard Pressure (psig)	Motor (hp)	Weight (lb.)
SK 15	64	125	15	710
	54	160		
	40	217		
SK 20	78	125	20	710
	65	160		
	48	217		

All SK models are available with optional integral dryer.

AS Series



Shown with optional integral dryer

Model	Capacity (cfm)	Standard Pressure (psig)	Motor (hp)	Weight (lb.)
AS 20	92	125	20	860
	77	160		
	58	217		
AS 25	111	125	25	893
	94	160		
	72	217		
AS 30	124	125	30	926
	104	160		
	83	217		

All AS models are available with optional integral dryer.

“My mechanics love it!”

That is exactly what Joe Gibbs has to say about the complete Kaeser compressed air system installed at his new state-of-the-art facility in Huntersville, North Carolina. Joe Gibbs' primary system includes two 30 hp AS 36 compressors, one refrigerated dryer, storage and control receivers, flow controller, sequencer, and filtration equipment.



The initial system worked so well supplying air to the Nextel Cup shop, that Joe Gibbs Racing installed a Kaeser system in his new Busch shop.

Racing Depends on Kaeser

Kaeser's involvement with racing is a natural. Quality compressed air is required for virtually every aspect of racing and is the cornerstone of many race shops.

It is no coincidence that many successful teams including Morgan McClure Motorsports (NASCAR), Joe Gibbs Racing (NASCAR), and JEB Four Racing (NHRA) have a complete Kaeser compressed air system to run their race shops.



Body Work

Light weight air tools enhance productivity when properly supplied with quality compressed air.



Engine Repair

Kaeser's reliability and durability are second to none. Count on quiet and efficient compressors to keep your shop tools running.



Tire Service

Stable system pressure and a dependable supply of air guarantee a tire change to rival any pit crew.



Painting

Drips and fisheyes are unacceptable and costly. With cool, dry and contaminant free compressed air from Kaeser, finish problems are a thing of the past.





Kaeser's U.S. Headquarters in Fredericksburg, Virginia

Mission Statement

We strive to earn our customer's trust by supplying high quality Kaeser air compressors, related compressed air equipment and premium blower systems. Our products are designed for reliable performance, easy maintenance, and energy efficiency. Prompt and dependable customer service, quality assurance, training, and engineering support contribute to the value our customers have come to expect from Kaeser. Our employees are committed to implementing and maintaining the highest standards of quality to merit customer satisfaction. We aim for excellence in everything we do.

Our engineers continue to refine manufacturing techniques and take full advantage of the newest machining innovations. Extensive commitment to research and development keeps our products on the leading edge of technology to benefit our customers.



Built for a lifetime.™

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The Air Systems Specialist

With over 85 years of experience, Kaeser is the air system specialist. Our extensive 100,000 square foot facility allows us to provide unequalled product availability. With service centers nationwide and our 24-hour emergency parts guarantee, Kaeser customers can rely on the best after-sales support in the industry. Kaeser stands committed to providing the highest quality air system for your specific compressed air needs.

