

At A Glance...

Products for a complete air system



Kaeser Compressors, Inc.

We offer a complete line of air system products including rotary screw compressors with the highly efficient Sigma Profile™ and the Sigma Control system, Mobilair™ portable compressors, oil-less reciprocating compressors, Omega™ rotary lobe blowers, vacuum packages, refrigerated and desiccant dryers, filters, condensate management systems and a variety of related products.

Kaeser specializes in evaluating each customer's compressed air application, and providing the most efficient and effective air system solution. An extensive inventory ensures rapid response and superior availability. In fact, only Kaeser provides 24-hour emergency parts shipment.

Premium Efficiency Equipment

Kaeser's proprietary developments and equipment designs have helped many customers save thousands of dollars in energy costs every year. Our products are designed to work together to achieve maximum efficiency, reliability and optimum performance.

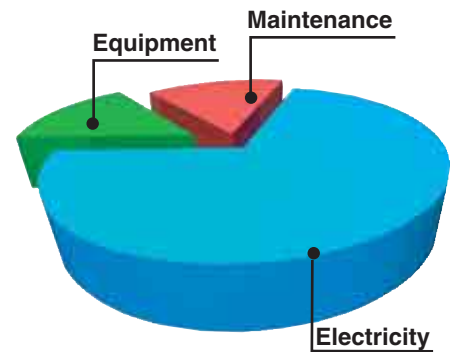
With Kaeser premium efficiency air systems, the advantages include:

- Low pressure drop
- Strict manufacturing tolerances
- High-efficiency motors, engines and heat exchangers
- Advanced airend and rotary lobe profiles
- State-of-the-art control systems

Lower Long Term Costs

Energy costs are a significant portion of any air system's total cost. In fact, the amount of energy required to run an air system for just one year can exceed the purchase price. Over a period of 10 years, this normally totals 70% of the overall costs.

With Kaeser's energy-saving equipment delivering up to 20% more air per horsepower, the cost-efficient choice is clear.



Compressor and Blower Products

Compressors



Kaeser's rotary screw air compressors feature the proprietary Sigma Profile airend. Available from 3 to 600 hp with capacities from 5 to 3,308 cfm, and pressures up to 217 psig, all units are fully packaged,

ready for hook-up. Unit shown features our Sigma Frequency Control variable speed drive. "T" versions with integral dryer also available on most models.

Packaged Compressor Systems



Kaeser's Packaged Compressor Systems match the Sigma Profile rotary screw compressors with a high-efficiency refrigerated dryer, an appropriately sized receiver, and filtration to provide the level of air quality you require. Capacities range from 5.5 to 248 cfm.

Rotary Screw Vacuum Packages



Available with capacities ranging from 168 to 555 acfm and 99.9% final vacuum and are equipped with 10 hp to 40 hp TEFC motors. Switchable DUAL/modulation control and an externally mounted

vacuum filter in the suction line are standard.

Booster Compressors



These single-stage units increase air system pressure up to 650 psig. Units are baseplate-mounted and range in size from 1/2 to 60 hp with capacities to 720 cfm. Booster compressors are ideal for

many applications where a moderate amount of high-pressure plant air is required.

Bare Blowers



Available in two-lobe and three-lobe designs, Kaeser Omega and Omega Plus positive displacement blowers offer flows to 5500 cfm, pressures to 15 psig and vacuum to 27 in. Hg. Heavy-duty construction

provides longer service life and quiet operation.

Oil-free Compressors



Airbox oil-less reciprocating compressors range in size from 4 to 15 hp, single-stage, with pressures up to 125 psig. The soundproofed sheet metal enclosure assures very low sound levels, making these

piston compressors suitable for noise sensitive applications

Blower Packages



Omega blowers are available in standard or customized Omega-paKs with high-efficiency motors, v-belt drives, silencers and inlet filters. Optional sound enclosures reduce noise

levels up to 20 dB(A). The industry-leading Com-paK Plus design allows units to be installed adjacent to one another. Units offer reduced pulsations and include standard sound enclosures and many pre-mounted accessories.

Mobilair™ Portable Compressors



Available in a wide range of models from 50 to 950 cfm at 100 psig, these units feature the power-saving Sigma Profile airend, heavy-duty industrial engine, and a low-noise enclosure. A complete line of accessories

and air tools are also available.

Clean Air Treatment Products and System Accessories

Refrigerated Air Dryers



Units offered for capacities from 10 to 20,000 scfm. Non-cycling, cycling, and Dual Control dryers provide maximum efficiency by offering the best drying solution for a wide array of

applications. Simple controls, a stainless steel separator and electric demand drains provide low pressure drops and reliability.

Desiccant Air Dryers



Available from 5 to 5,400 scfm, these heatless regenerative dryers produce pressure dew points as low as -100°F. Kaeser's Breathing Air Systems, heated purge KED dryers

and blower purge KBD dryers complete Kaeser's comprehensive desiccant dryer line.

Compressed Air Filters



Designed with housings that have larger flow areas to ensure low pressure drop, these filters provide easy installation, operation and maintenance. Kaeser filters maintain high

capture rates and filtration efficiencies across a wide range of flows, 20 to 21,250 scfm, and pressures up to 900 psig.

Drain Traps



Kaeser's Automatic Drains like the Automatic Magnetic Drain (AMD) (shown, right) and the award-winning Eco-Drain (shown, left) provide reliability and reduce maintenance. Timed

Electric Traps and Automatic Drain Traps complete our compressed air treatment product line.

Condensate Management



The Aquamat System automatically removes lubricant from compressor condensate. This allows for easy and economical disposal of compressed air condensate in an environmental-

ly responsible way. The low-maintenance system requires no electricity for operation.

Sigma Air Manager



The Sigma Air Manager combines the benefits of a modern industrial PC technology with Internet technology to provide unparalleled compressor control, monitoring and reports. Optional

software provides enhanced reporting and enables end users to monitor air system operation from any location.

Compressed Air Distribution System



Fast to install and easy to modify, Kaeser SmartPipe™ is the most versatile compressed air distribution system available. Lightweight materials and push-to-fit connectors reduce

installation time and fatigue, even in overhead installations. Leak free performance with low pressure drop. Available in six sizes from 1/2" to 4".

Kaeser Flow Controller (KFC)



The KFC reduces the actual flow demand by virtually eliminating artificial demand and reducing leakage up to 30%. Unlike typical regulators, the KFC has a low internal pressure drop.

The KFC is easily installed in new or existing systems and can handle flows from 25 to 18,000 cfm.

Compressed Air System Consulting

Engineering expertise

Kaeser's team of engineers are always at your service to help design or optimize your compressed air system. With decades of experience in system design, special applications and energy audits, our entire team can meet your unique requirement.

Using specialized tools such as our Air Demand Analysis and Kaeser Energy Saving System we can provide

an accurate assessment of your existing installation and use predictive models to demonstrate how proposed changes will improve your system performance.

Then, using a state-of-the-art CAD software, Kaeser can lay out the proposed system and produce traditional two-dimensional and three-dimensional drawings. This is a huge

benefit in project planning. It helps you visualize not only new equipment, but also how it will fit into the building along with existing equipment, piping, walls, vents, etc. This helps ensure smooth installation, good access for service and reliable operation.



Comprehensive System Services

Kaeser Compressors is more than just a maker of high quality compressed air system products. Kaeser and its network of value-adding distributors offer complete air system design, analysis and other consulting services.

Understanding your specific compressed air needs is essential to an efficient system. The Kaeser team pro-

vides comprehensive solutions to complex compressed air systems with innovative services including:

- Air demand analysis
- Energy consumption measurement
- Air flow measurement
- Leak detection

- Compressor fluid analysis
- Air system design
- Factory-trained sales and service representatives

Screw Compressors up to 30 hp



Model		SX 3	SX 4	SX 6	SX 7	SM 7.5	SM 10	SM 15	SK 15	SK 20	AS 20	AS 25	AS 30
Capacity at max. operating pressure	100 psi	13	17	23	32	28	42	53	64	78	92	111	124
	110 psi	11.5	15.5	21	30	28	42	53	64	78	92	111	124
	125 psi	10.2	14	20	28	28	42	53	64	78	92	111	124
	145 psi	8.5	12	17	25	23	35	44	54	65	77	94	104
	190 psi	5.5	9	13	20	17	27	35	40	49	60	72	84
Motor hp		3	4	5	7.5	7.5	10	15	15	20	20	25	30

Note: Most models are also available with integral dryers or as complete packages with clean air treatment and tank. Some models available with SFC variable speed drive.

Direct Drive Compressors from 25 to 125 hp



Model		ASD 25	ASD 30	ASD 40S	ASD 40*	BSD 40*	BSD 50	BSD 60*	CSD 60	CSD 75	CSD 100S	CSD 100	CSD 125
Capacity at max. operating pressure	100 psi	115	135	167	192	197	243	298	301	364	428	508	587
	110 psi	115	135	166	191	196	242	296	300	363	427	506	584
	125 psi	115	134	166	191	195	241	294	298	361	425	503	581
	175 psi	92	113	129	159	162	192	230	234	292	348	348	414
	217 psi	72	90	110	125	--	158	185	188	229	288	337	406
Motor hp		25	30	40	40	40	50	60	60	75	100	100	125

Note: All models available with optional integral dryer and Sigma Frequency Control variable speed drive except as noted. *Not available with Sigma Frequency Control.

Direct Drive Compressors from 100 to 450 hp



Model		DSD 100	DSD 125	DSD 150	DSD 200	ESD 250	ESD 300	FSD 350	FSD 400	FSD 450
Capacity at max. operating pressure	100 psi	565	693	885	995	1302	1494	1533	1757	2003
	110 psi	563	691	883	992	1298	1490	1529	1752	1997
	125 psi	560	688	888	877	1293	1293	1522	1744	1989
	175 psi	449	550	675	675	869	981	1271	--	1497
	217 psi	--	--	541	--	858	--	--	--	1250
Motor hp		100	125	150	200	250	300	350	400	450

Note: All models are also available with Sigma Frequency Control variable speed drive.

Screw Compressors from 400 to 605 hp



Model		GS 520	GS 525	GS 580	GS 590	GS 610	GS 620	GS 640	GS 650	HS 670	HS 690	HS 760
Capacity at max. operating pressure	100 psi	1800	1975	1920	2148	2020	2288	2180	2402	2470	2652	2913
	110 psi	1746	1895	1855	2065	1950	2196	2055	2305	2375	2550	2800
	125 psi	1655	1784	1760	1941	1850	2058	1945	2160	2234	2398	2631
	145 psi	1535	1635	1630	1776	1715	1875	1805	1966	2046	2195	2405
	190 psi	1300	1380	1380	1501	1455	1620	1530	1715	1775	1905	2115
Motor hp		400	400	425	425	450	450	475	475	500	535	605

Specifications are subject to change without notice.

KAESER COMPRESSORS

Built for a lifetime.™

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Certified Management Systems



The Air Systems Specialist

With over 85 years of experience, Kaeser is the air systems 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.