

# 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.

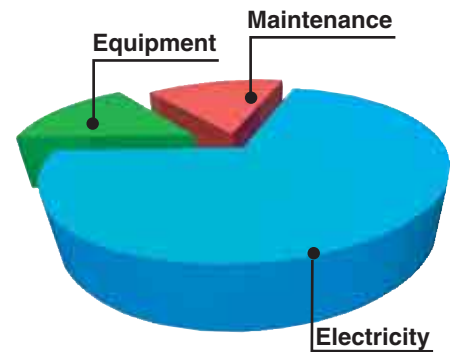
With Kaeser premium efficiency air systems, the advantages include:

- 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 224 cfm.

## Rotary Screw Vacuum Packages



Available with capacities ranging from 168 - 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 - 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



Oil-less reciprocating units are available with capacities from 1.2 to 18 cfm and pressures to 100 psig. Perfect for dental offices, these units feature one or two base-mounted compressors. Select units

include a built-in dryer. All units come fully assembled and ready for installation.

## 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 45 - 950 cfm at 100 psig, these units feature the power-saving Sigma Profile airend, heavy-duty, industrial engine, and a cold start battery. 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 20 - 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



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

Available from 25 - 5,400 scfm, these heatless regenerative dryers produce pressure dewpoints as low as -100°F. Kaeser's Breathing Air Systems, externally heated KED

## 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.

## Drain Traps



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

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**

## 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



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

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

## Sigma Compressor Fluids



Designed to withstand heat, pressure and contaminants, the Sigma 4000 series offers semi-synthetic lubricants and the Sigma 8000 is a fully synthetic lubricant line.

### **Omega Blower Fluids**

withstand high temperatures, are non-toxic and separate readily from water.

## Kaeser Flow Controller (KFC)



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

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

# Compressed Air System Consulting

## Engineering expertise

With decades of combined experience in compressed air systems and design, our entire team of qualified engineers is always at your service. For specialized systems or unique requirements, Kaeser's highly trained engineers provide expert applications assistance. From complex installations and challenging environments to facilities with limited space, Kaeser can design and lay out a system to meet the specified requirements for performance and reliability.

Using specialized tools such as our Power Cost Analysis and Air Demand Analysis, we can provide an accurate assessment of the existing installation as well as a contrasting view of the proposed system's performance.

Kaeser uses state-of-the-art CAD systems to lay out the proposed system and produce traditional two-dimensional drawings for project execution. Plus, a three-dimensional, virtual walk-through tour of the

proposed system allows the end user to see the complete installation. The virtual modeling allows all options to be considered. Variables such as distance, diameters, equipment order, location, accessories and connections can be reviewed and modified, if necessary, prior to installation.



## Distribution and Market

Kaeser Compressors' factory-trained distributor network provides sales, service and customer support throughout the United States and the Caribbean. Other Kaeser subsidiaries in the Western Hemisphere include Argentina, Brazil, Canada, Chile, Colombia, Guatemala, El Salvador,

and Mexico. Six regional offices support our extensive national distributor network. Kaeser products can be found in every area of manufacturing and processing, including metal, automotive, chemical, plastic, printing and textile industries. Non-industrial facilities such as hospitals,

laboratories, and municipalities also rely on Kaeser to supply their compressed air needs. Worldwide, Kaeser is a global force with subsidiaries in more than 58 countries.

## Screw Compressors up to 30 hp



Model		SX 3	SX 4	SX 6	SX 7	SM 8	SM 11	SK 15*	SK 20*	AS 20*	AS 25*	AS 30
Capacity at max. operating pressure	100 psi	13	17	23	32	32	44	64	78	92	111	124
	110 psi	11.5	15.5	21	30	30	42	64	78	92	111	124
	125 psi	10.2	14	20	28	28	40	64	78	92	111	124
	145 psi	8.5	12	17	25	25	36	54	65	77	94	104
	190 psi	5.5	9	13	20	20	29	40	49	60	72	84
Motor	hp	3	4	5	7.5	7.5	10	15	20	20	25	30

Packages also available. \*Also available with optional integral dryer.

## 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 300 hp



Model		DSD 100	DSD 100S	DSD 125	DSD 150	DSD 200	ESD 250	ESD 300
Capacity at max. operating pressure	100 psi	565	484	693	885	995	1302	1494
	110 psi	563	481	691	883	992	1298	1490
	125 psi	560	476	688	888	877	1293	1293
	175 psi	449	378	550	675	675	869	981
	217 psi	--	--	--	541	--	858	--
Motor	hp	100	100	125	150	200	250	300

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

## Screw Compressors from 335 to 605 hp



Model		FS 440	FS 460	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	1703	1749	1800	1975	1920	2148	2020	2288	2180	2402	2470	2652	2913
	110 psi	1645	1700	1746	1895	1855	2065	1950	2196	2055	2305	2375	2550	2800
	125 psi	1560	1628	1655	1784	1760	1941	1850	2058	1945	2160	2234	2398	2631
	145 psi	1445	1530	1535	1635	1630	1776	1715	1875	1805	1966	2046	2195	2405
	190 psi	1225	1270	1300	1380	1380	1501	1455	1620	1530	1715	1775	1905	2115
Motor	hp	335	350	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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### 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.