



KAESER Product Range Overview

More compressed air for less energy

www.kaeser.com

Trades and workshop compressors

i.Comp 3 series		
	<ul style="list-style-type: none"> • KAESER i. Comp Control controller • Drive motor with variable speed control • Capable of 100 % duty cycles 	<p>Displacement 265 l/min Max. pressure 11 bar Rated motor power 1.5 kW</p>
PREMIUM series		
	<ul style="list-style-type: none"> • Ideal for construction sites and workshops • KAESER quality for long-term dependability • Application-oriented solutions 	<p>Displacement 130 – 660 l/min Max. pressure 10 and 20 bar Rated motor power 0.75 – 3 kW</p>
CLASSIC series		
	<ul style="list-style-type: none"> • Trades compressors with KAESER's renowned quality • Exceptional value vs performance ratio • The right model for every need 	<p>Displacement 210 – 460 l/min Max. pressure 10 bar Rated motor power 1.1 – 2.2 kW</p>
EUROCOMP series		
	<ul style="list-style-type: none"> • Stationary workshop compressors • Optionally available with sound enclosure • Vertical and horizontal versions 	<p>Displacement 150 – 1500 l/min Max. pressure 10 and 15 bar Rated motor power 1.1 – 7.5 kW</p>

Industrial reciprocating compressors

K, KCD, KCT and KCTD series		
	<ul style="list-style-type: none"> • 'Made in Germany' compressor blocks • Modular construction system • Stringent quality assurance 	<p>Displacement 60 – 1400 l/min Max. pressure 7, 10 and 35 bar Rated motor power 0.75 – 18.5 kW</p>
AIRBOX and AIRBOX CENTER series		
	<ul style="list-style-type: none"> • Complete systems with SIGMA CONTROL BASIC and SIGMA CONTROL 2 controller • AIRBOX CENTER: Complete package with refrigeration dryer • Quiet operation thanks to innovative cooling system 	<p>Displacement 250 – 900 l/min Max. pressure 7, 10 and 12.5 bar Rated motor power 2.2 – 7.5 kW</p>

N series boosters		
	<ul style="list-style-type: none"> • Efficient operation up to 45 bar • Finely-tiered product range for every need • Ideal for PET container production 	Flow rate 0.27 – 20.51 m ³ /min Initial pressure up to 13 bar Final pressure up to 45 bar Rated motor power 2.2 – 45 kW
DN C series boosters		
	<ul style="list-style-type: none"> • Compact complete package • Ready for immediate connection with all required sensors and star-delta starter • SIGMA CONTROL 2 controller • Connectivity to SIGMA AIR MANAGER 4.0 master controller available 	Flow rate: 3.1 to 19.6 m ³ /min Initial pressure up to 13 bar Final pressure up to 45 bar Rated motor power 22 to 45 kW

Rotary screw compressors

Fluid-cooled rotary screw compressors with energy-saving SIGMA PROFILE  rotors		
	<ul style="list-style-type: none"> • SXC to HSD and AIRCENTER series • Advanced SIGMA CONTROL 2 controller • Optionally available with integrated refrigeration dryer (T-version) or variable speed control (SFC) • Heat recovery system for use of recyclable heat energy 	Flow rate 0.26 – 86 m ³ /min Pressure 5.5 – 15 bar Rated motor power 2.2 – 500 kW
Dry-compression rotary screw compressors		
	<ul style="list-style-type: none"> • CSG-2, DSG-2 and FSG-2 series • CSG-2 & DSG-2 series optionally available with iHOC dryer • Advanced SIGMA CONTROL 2 controller • Two-stage compression 	Flow rate 3.2 – 50.8 m ³ /min Pressure 4 – 10 bar Rated motor power 37 – 355 kW
Marine compressed air systems		
	<ul style="list-style-type: none"> • SX – HSD, AIRCENTER rotary screw compressors • Optionally available with add-on refrigeration dryer or variable speed control • Compact design with renowned KAESER quality • Certification in accordance with all recognised classification societies (also for blowers, refrigeration dryers and compressed air treatment upon request) 	Flow rate 0.26 – 86 m ³ /min Max. pressure 8 / 10 / 14 bar Rated motor power 2.2 – 630 kW
Heat recovery		
	<ul style="list-style-type: none"> • Heating with warm air • Feeds heat into heating and hot water systems 	Up to 96% energy reusable for heating purposes

Compressed air management system

SIGMA AIR MANAGER 4.0		
	<ul style="list-style-type: none"> • Adaptive 3-D^{advanced} Control • Integrated web server • Provision of key figures for energy management as per ISO 50001 	<p>Monitoring and control of all components within the compressed air supply system with a view to achieving maximum cost savings</p>

Compressed air treatment

Air receivers		
	<ul style="list-style-type: none"> • Galvanised inside and outside • Vertical and horizontal versions 	<p>Volume 90 – 10,000 l Pressure 1 – 50 bar</p>
Refrigeration dryers		
	<ul style="list-style-type: none"> • TAH – TCH (KRYOSEC) series • TA – TF (SECOTEC) series with energy-saving SECOTEC control • TG – TI series with energy-saving control • TL – TW series • THP series (pressure up to 50 bar) • TCU series (cool compressed air to +5 °C) 	<p>Flow rate 0.35 – 175 m³/min Pressure dew point to +3 °C</p>
Membrane dryers		
	<ul style="list-style-type: none"> • KMM series • Can also be used in decentralised applications • Also with FE/FF prefilters 	<p>Flow rate to 4.4 m³/min Pressure dew point to -40 °C</p>
KAESER FILTER		
	<ul style="list-style-type: none"> • Filter grade KB/KE – Coalescence filter • Filter grade KA – Activated carbon filter • Filter grade KD – Particulate filter • Filter grade KEA – Activated carbon filter with prefilter 	<p>Flow rate from 0.6 to 336.3 m³/min</p>
Desiccant dryers		
	<ul style="list-style-type: none"> • DC series (heatless regenerated version) • DW series (heat regenerated version) 	<p>Flow rate 0.15 – 194.2 m³/min Pressure dew point to -70 °C</p>

HYBRITEC combination dryers		
	<ul style="list-style-type: none"> • DTE, DTG, DTH, DTI, DTL, DTW series • Refrigeration & desiccant dryer combination • Prepared for summer and winter operation 	<p>Flow rate 12 – 150 m³/min Pressure dew points from +3 °C to -40 °C</p>
KC series centrifugal separators		
	<ul style="list-style-type: none"> • Maintenance-free centrifugal insert • Differential pressure when new: < 0.1 bar • With ECO-DRAIN condensate drain 	<p>Flow rate 0.9 to 336.3 m³/min</p>

Condensate treatment

ECO DRAIN series condensate drains		
	<ul style="list-style-type: none"> • Electronic level-sensing control • Dependable drainage without pressure loss • Self-monitoring, exceptionally simple maintenance 	<p>For compressor flow rates up to 1,700 m³/min</p>
AQUAMAT and ESA series condensate separators		
	<ul style="list-style-type: none"> • AQUAMAT series: separation system for dispersions • Expandable with condensate distributor • ESA series: separation system for emulsions 	<p>For compressor flow rates up to 120 m³/min</p>

Oil-free reciprocating compressors

KCT blue series		
	<ul style="list-style-type: none"> • Oil-free reciprocating compressors • With refrigeration dryer and air receiver • Also with SECCOMAT compressed air treatment system 	<p>Flow rate 65 – 950 l/min Pressure 7 and 12.5 bar Rated motor power 0.75 – 7.5 kW</p>

Portable compressors

MOBILAIR portable compressors		
	<ul style="list-style-type: none"> • Petrol, diesel or electric drive versions • KAESER rotary screw airend with SIGMA PROFILE rotors • Also available with compressed air treatment and generator • With patented Anti-Frost Control (M 20 to M 80) 	<p>Flow rate 0.85 – 34 m³/min Pressure 7 – 15 bar Rated motor power 7.5 – 260 kW</p>

Tools		
	<ul style="list-style-type: none"> • Breakers • Hammer drills • Economy hammers 	<p>Impact energy 12 – 74 Nm Available with hand and T-grip</p>

Rotary lobe blowers

Compact series – high efficiency with OMEGA PROFILE rotors		
	<ul style="list-style-type: none"> • Packages with sound-proofing and accessories • BB – FB series: Turnkey packages with control cabinet and SIGMA CONTROL 2 controller • 21P – 84P series: Individual blocks 	<p>Flow rate/intake capacity: 1.5 – 156 m³/min Pressure to 1000 mbar Vacuum to 500 mbar Rated motor power 1.5 – 250 kW</p>

Rotary screw blowers

EBS and FBS series with energy-saving SIGMA PROFILE rotors		
	<ul style="list-style-type: none"> • Ready for immediate operation with SIGMA CONTROL 2 controller • Integrated frequency converter or Y/D starter 	<p>Flow rate: 10 – 67 m³/min Pressure up to 1100 mbar Rated motor power 22 – 110 kW</p>

Rotary screw vacuum pumps

	<ul style="list-style-type: none"> • Turnkey packages • With SIGMA CONTROL 2 controller 	<p>Intake capacity 4.75 – 15.7 m³/min Final vacuum 99% Rated motor power 7.5 – 30 kW</p>
-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------

Services

SIGMA AIR UTILITY – Just buy the air you need		
	<ul style="list-style-type: none"> • Turn fixed costs into variable costs • Dependable supply, precision calculation 	
KAESER AIR SERVICE		
	<ul style="list-style-type: none"> • Rapid-response global service increases availability and reduces costs • Maintenance and service contracts precisely matched to meet user's specific needs • Genuine parts for long-term dependability and energy efficiency 	
SIGMA SMART AIR – Your all-round service package for complete peace of mind		
	<ul style="list-style-type: none"> • Time savings through predictive maintenance • Comprehensive KPI monitoring • Available 24/7 • Billing according to volume of compressed air generated 	
Analysis and consultation		
	<ul style="list-style-type: none"> • Individually tailored solutions for maximum efficiency • The path to an energy-efficient compressed air station • Reduce energy costs with ADA (Air Demand Analysis) and KESS (KAESER ENERGY SAVING SYSTEM) 	

The world is our home

As one of the world's largest compressed air system providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners in over 100 countries.

With innovative products and services, KAESER KOMPRESSOREN's experienced consultants and engineers help customers to enhance their competitive edge by working in close partnership to develop progressive system concepts that continuously push the boundaries of performance and compressed air efficiency.

Moreover, the decades of knowledge and expertise from this industry-leading system provider are made available to each and every customer via the KAESER group's global computer network.

These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at the peak of its performance at all times and provides maximum availability.



KAESER KOMPRESSOREN SE

P.O. Box 2143 – 96410 Coburg – GERMANY – Tel +49 9561 640-0 – Fax +49 9561 640-130
e-mail: productinfo@kaeser.com – www.kaeser.com