






Kaeser Product Range Overview

More air, more savings...




www.kaeser.com


Our products at a glance

Trades and workshop compressors



CLASSIC series		
	<ul style="list-style-type: none"> • Trades compressors with KAESER's renowned quality • Exceptional value/performance ratio • The right model for every need 	Displacement 210 – 460 l/min Pressure 10 bar Rated motor power 1.1 – 2.2 kW
PREMIUM series		
	<ul style="list-style-type: none"> • Ideal for construction sites and workshops • KAESER quality for long-term dependability • Application-oriented solutions 	Displacement 130 – 660 l/min Pressure 10 and 20 bar Rated motor power 0.75 – 3 kW
EUROCOMP series		
	<ul style="list-style-type: none"> • Stationary workshop compressors • Optionally available with sound enclosure • Vertical and horizontal versions 	Displacement 150 – 1500 l/min Pressure 10 and 15 bar Rated motor power 1.1 – 7.5 kW


Industrial reciprocating compressors


K, KCD, KCT and KCTD series		
	<ul style="list-style-type: none"> • Compressor blocks Made in Germany • Modular construction system • Stringent quality assurance 	Displacement 60 – 1400 l/min Pressure 7, 10 and 35 bar Rated motor power 0.75 – 18.5 kW
AIRBOX and AIRBOX CENTER series		
	<ul style="list-style-type: none"> • Complete systems with SIGMA CONTROL BASIC controller • AIRBOX CENTER: Complete package with refrigeration dryer • Quiet operation thanks to innovative cooling system 	Displacement 250 – 900 l/min Pressure 7, 10 and 12.5 bar Rated motor power 2.2 – 7.5 kW
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 	Displacement 0.27 – 20.51 m³/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 • Connectivity to SIGMA AIR MANAGER 2 master controller available 	Displacement: 3.1 to 19.6 m³/min Initial pressure up to 13 bar, Final pressure up to 45 bar Rated motor power: 22 to 45 kW

Rotary screw compressors

Fluid-injected rotary screw compressors with energy-saving SIGMA PROFILE  rotors		
	<ul style="list-style-type: none"> • SX 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 m³/min Pressure 5.5 – 15 bar Rated motor power 2.2 – 500 kW

Dry-running rotary screw compressors		
	<ul style="list-style-type: none"> • CSG-2, DSG-2 and FSG-2 series • DSG-2 series optionally with iHOC dryer • Advanced SIGMA CONTROL 2 controller • Two-stage compression 	Flow rate 3.2 – 50.8 m³/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 integrated refrigeration dryer or variable speed control • Compact design with renowned KAESER quality • Certification in accordance with all recognised classification societies (also for Omega blowers, refrigeration dryers and compressed air treatment upon request) 	Flow rate 0.26 – 86 m³/min Standard pressures 8, 10 and 14 bar Rated motor power 2.2 – 630 kW

Heat recovery		
	<ul style="list-style-type: none"> • Heating with warm air • Feed heat into heating and warm water systems 	Up to 96% energy reusable for heating purposes

Compressed air management system

SIGMA AIR MANAGER 2



- Adaptive 3-D^{advanced} Control
- Integrated web server
- Provision of key figures for energy management to ISO 50001

For master sequencing of compressed air installations with up to 16 compressors

Air treatment

Air receivers



- Galvanised inside and outside
- Vertical and horizontal versions

Capacity 90 – 10,000 l
Pressure 1 – 50 bar

Refrigeration dryers



- 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 (gauge pressure to 50 bar)
- TCU series (cool compressed air to +5 °C)

Flow rate 0.35 – 175 m³/min
Pressure dew point to +3 °C

Membrane dryers



- KMM series
- Can also be used in decentralised applications
- Also with FE/FF prefilters

Flow rate to 4.4 m³/min
Pressure dew point to -40 °C

KAESER FILTER



- Filter grade KB/KE – Coalescence filter
- Filter grade KA – Activated carbon filter
- Filter grade KD – Dust filter
- Filter grade KEA – Activated carbon filter combination

Flow rate from 0.6 to 14.2 m³/min

Filters



- FB/FC series: Prefilter
- FE/FF series: Microfilter
- FD series: Afterfilter
- FFG series: Activated carbon combination microfilter
- ACT series: Long-life activated carbon adsorber

Flow rate from 17.7 to 330 m³/min

Desiccant dryers



- DC series (heatless regenerated version)
- DW series (heat regenerated version)

Flow rate 0.15 – 194.2 m³/min
Pressure dew point to -70 °C

HYBRITEC combination dryers



- DTE, DTG, DTH, DTI, DTL, DTW series
- Refrigeration / desiccant dryer combination
- Prepared for summer and winter operation

Flow rate 12 – 150 m³/min
Pressure dew points from +3 °C to -40 °C

KC series centrifugal separators



- Corrosion-protected aluminium housing
- Maintenance-free centrifugal insert
- Differential pressure when new: < 0.1bar

Flow rate 0.9 to 14.2 m³/min

Condensate treatment

ECO-DRAIN series condensate drains



- Electronic level-sensing control
- Dependable drainage without pressure loss
- Self-monitoring, exceptionally simple maintenance

For compressor flow rates up to 1,700 m³/min

AQUAMAT and ESA series condensate separators



- Separation system for dispersions: AQUAMAT series
- Expandable with condensate distributor
- Separation system for emulsions: ESA series

For compressor flow rates up to 120 m³/min

Dental compressors

KAESER DENTAL series



- Oil-free reciprocating compressors
- With refrigeration dryer and air receiver
- Also with SECCOMAT compressed air treatment system

Flow rate 65 – 950 l/min
Pressure 7 and 12.5 bar
Rated motor power 0.75 – 7.5 kW

Portable compressors

MOBILAIR portable compressors



- 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)

Flow rate 0.85 – 34 m³/min
Pressure 7 – 15 bar
Rated motor power 7.5 – 260 kW

Tools



- Breakers
- Hammer drills
- Economy hammers

Impact energy 12 – 74 Nm
Available with hand and T-grip

Rotary blowers

Compact series – High efficiency with OMEGA PROFILE rotors



- Packages with sound-proofing and accessories
- BB – FB series: Turnkey packages with control cabinet and SIGMA CONTROL 2 controller
- 21P – 84P series: Individual blocks

Flow rate/intake capacity:
1.5 – 156 m³/min
Pressure to 1000 mbar
Vacuum to 500 mbar
Rated motor power 1.5 – 250 kW

Screw blowers

EBS and FBS series with energy-saving SIGMA PROFILE rotors



- Ready for immediate operation with SIGMA CONTROL 2 controller
- Integrated frequency converter or Y/D starter

Flow rate 10 – 67 m³/min
Pressure up to 1100 bar
Rated motor power 22 – 110 kW

Rotary screw vacuum packages

ASV, BSV, CSV series – For vacuum generation ranging from atmospheric pressure to low vacuum



- Turnkey packages
- With SIGMA CONTROL 2 controller

Intake capacity 4.75 – 15.7 m³/min
Final vacuum 99%
Rated motor power 7.5 – 30 kW

Services

SIGMA AIR UTILITY – Just buy the air you need



- Turn fixed costs into variable costs
- Dependable supply, precision calculation

KAESER AIR SERVICE



- 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

Analysis and consultation



- Individually tailored solutions for maximum efficiency
- The route 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 systems providers and compressor manufacturers, KAESER KOMPRESSOREN is represented throughout the world by a comprehensive network of branches, subsidiary companies and authorised partners.

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.



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