

Rotary Screw Compressors SX-HSD Series

With the world-renowned SIGMA PROFILE ♣

Free air delivery: 0.26 to 86 m³/min - Pressure 5.5 to 15 bar



KAESER KOMPRESSOREN -The global compressed air systems provider

KAESER was established in 1919 as a machine workshop, but started on the road to becoming one of the world's leading compressed air system providers in the 1950s when founder, Carl Kaeser Snr, made the decision to start manufacturing reciprocating compressors.

The breakthrough on the road to today's market-leading position among the world's top compressed air system suppliers came when KAESER

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More air, more savings...

KAESER SIGMA PROFILE

Developed by KAESER and continuously enhanced ever since, the KAESER SIGMA PROFILE achieves power savings of up to 15 percent compared with conventional screw airend rotor

this energy-saving rotor profile and are designed to ensure maximum energy efficiency.

The generously-sized, precision-aligned roller bearings and close-tolerance machining guarantee long service life and outstanding reliability.





Energy-saving airend with SIGMA PROFILE rotors

A specific drive power can be used to turn a smaller airend at high speed or a larger airend at slow speed. Larger, slower running airends are more efficient and deliver more compressed air for the same drive power.

This is why KAESER builds airends with the slowest drive speeds possible and optimised screw profiles. Every KAESER rotary screw compressor equipped with one of these highly efficient airends quickly pays for itself through power cost savings

Energy cost savings

through system

optimisation

Energy saving controllers: SIGMA CONTROL 2 and SIGMA CONTROL BASIC





The SIGMA CONTROL 2 features a highly flexible modular design, yet its standard construction means that this versatile control system can be matched to suit the needs of any rotary screw compressor from KAESER KOMPRESSOREN's extensive range. Comprising a main control unit and separate input/output modules, this modular concept therefore enhances communication and user-friendliness.

Internet capability

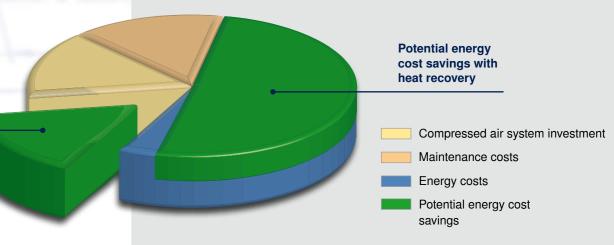
The SIGMA CONTROL 2 is equipped with its own web server, making it possible to communicate with the compressor via intranet/Internet. There is no need for additional expensive software, as settings can be remotely accessed and adjusted, with password protection, from any PC running a standard Internet browser. This feature greatly simplifies operation and maintenance for example.

Lower life-cycle costs

Energy costs taken over the lifetime of any compressor add up to many times that of the initial capital cost, which can make any purchase price difference a false economy. Efficiency and reliability are vital in the production of compressed air and KAESER achieves these objectives with quality, durable components that are built to last. Energy-saving KAESER rotary screw compressors can help users to significantly reduce their compressed air

Save costs and benefit the environment with heat recovery:

Reusable heat generated during compressed air production represents a considerable potential saving, since 100 percent of the energy fed to a compressor is converted into heat. This is energy that can be utilised. In fact, up to 94 % of the energy that is used to produce compressed air remains available for reuse. This not only enables huge annual financial savings, but also helps to considerably reduce CO₂ emissions. The scale of the savings effect depends on the size of the compressors and the primary energy source that is used (electricity, gas, fuel oil). Moreover, many older compressor models can even be retrofitted to provide heat recovery.



KAESER rotary screw compressors with belt drive - to 22 kW

Efficient KAESER V-belt drive

KAESER screw compressors with V-belt drive provide outstanding efficiency and reliability. KAESER was one of the first compressor manufacturers to introduce the V-belt drive system. The KAESER drive is characterised by an automatic tensioning device* that ensures constant transmission efficiency. This, of course, reduces maintenance costs.

*)SX series models are equipped with a flat drive belt that does not require additional tensioning.





Image:

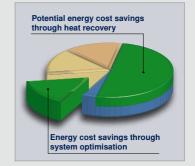
Series: SX-ASK Motor power: 2.2 to 22 kW FAD: 0.26 to 3.5 m³/min Standard pressure: 8/11/15 bar



How KAESER rotary screw compressors work

Atmospheric air is drawn through the inlet air filter, cleaned, and then passes into the airend where it is compressed. Specially developed SIGMA FLUID is injected into the airend to serve as coolant, lubricant and sealant. Under normal conditions the air reaches a temperature of only approx. 80°C during compression.

The compressed air emerges from the separator with a remaining fluid content of less than 2mg/m3, passes through the minimum pressure check valve and into the aftercooler. The separated, cooled and filtered cooling fluid is reinjected into the airend. In the aftercooler the air is cooled down to between 5 and 10K above ambient and most of the moisture carried in the air is consequently removed before the air finally leaves the compressor at the outlet.



Save energy with the KAESER SIGMA PROFILE **

Every KAESER rotary screw airend is equipped with energy-saving SIGMA PROFILE rotors. Components manufactured to the highest standards and precision aligned roller-bearings ensure long service life with maximum reliability.

Compressed air system Energy costs

Energy cost saving potential



SIGMA CONTROL 2

The control unit features an easy to read display and durable input keys. All relevant information can be viewed at a glance and user-friendliness is further enhanced by the logical menu structure coupled with the ability to display data in any one of 30 selectable languages.



Automatic belt tensioning

The automatic belt tensioning device* ensures consistent transmission efficiency and excellent drive system reliability.

*) Excluding SX series models



Cooling air filter mats

Ambient air used for cooling is contaminated to some degree, but the high performance filter mats through which the air is drawn into the cabinet prevent the cooler from clogging.



Optimised separation system

The combination of optimum flow separation and the special separator cartridge* results in a minimal fluid content of less than 2 mg/m3 in the discharged compressed air. The separator system also requires minimal maintenance.

*) SX series models feature an external separator cartridge.

KAESER rotary screw compressors with 1:1 drive - up to 500 kW

Why 1:1 drive?

In compressed air packages featuring 1:1 direct drive the motor drives the airend directly without transmission loss via a maintenance-free coupling. 1:1 direct drive rotary screw compressors provide outstanding performance and enable significant savings. KAESER's comprehensive range of specially designed airends are manufactured and developed to meet every compressed air user's needs.

Triple savings with 1:1 drive:

- No power transmission losses.
- Large, low speed airends provide more air for less energy consumption.
- Thirdly, 1:1 drive minimises maintenance costs.



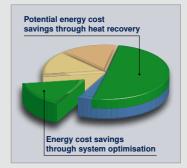
Unique cooling air flow

Kaeser's unique cooling air flow concept provides significant advantages compared to conventional systems: The air is drawn in via the cooler to the cooler cabinet and is directly exhausted upwards. Consequently, the inside of the unit remains untouched by the main cooling air flow and contaminant particles contained in the air collect

on the air intake side of the cooler. Any accumulation is easily noticed and can be guickly cleared away without the need for any dismantling work. Operational reliability is improved and maintenance requirement is significantly reduced.

After-cooling Fluid cooling

Intake air (Compressor) Motor cooling air

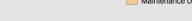


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Compressed air system Energy costs

Potential energy cost savings





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Low speed operation

Large, low speed airends are more efficient than small high speed airends because they supply more air for the same drive power. Low speeds mean less wear and consequently less maintenance costs.



Energy-saving 1:1 drive

The motor and airend are joined by the coupling and its housing to form a compact and durable unit that is virtually maintenancefree. Furthermore, reliability and service life are increased through elimination of wear and transmission losses, as 1:1 drive reduces the number of components needed in comparison with gear drive.



Quiet and efficient radial fan

The quiet and powerful radial fan draws in cool ambient air through the cooler. Its high residual thrust can deal with partial clogging of the cooler and still have enough reserve to allow connection of a long exhaust duct. In addition, the radial fan consumes significantly less drive power than conventional axial fans, saving even more energy.

KAESER rotary screw compressors All-in-one systems – up to 22 kW

Space saving combination of screw compressor and refrigeration dryer

With KAESER's intelligent system design, the compressor and refrigeration dryer are both completely separate, independently functioning modules.

This protects the dryer from exposure to heat from the compressor package thereby enhancing reliability.

Energy saving refrigeration dryers

The dryer shut-down feature*, which can be selected via the compressor controller, is linked to compressor operation and significantly reduces energy consumption. All components are generously sized yet are easily accessible for maintenance and servicing work.

*)Not applicable to SXC models.







Compressed air supply system with separate components



Compressed air supply system with AIRCENTER



Aircenter and SXC - Compact compressed air systems

The KAESER AIRCENTER is a complete, turn-key system for the production of dry compressed air.

The arrangement of a KAESER screw compressor with its highly efficient SIGMA Profile airend, together with an energy-efficient refrigeration dryer mounted on an air receiver creates a compact and highly economical package. Furthermore, AIRCENTER and SXC units are far less work-intensive to install than conventional compressed air systems.

Image:

All-in-one systems:

Series: SXC Motor power: 2.2 to 5.5 kW FAD: 0.26 to 0.8 m³/min Standard pressure: 8/11/15bar(g) Equipped with SIGMA CONTROL BASIC

Series: AIRCENTER Motor power: 2.2 to 15 kW FAD: 0.26 to 2.2 m³/min Standard pressure: 8/11/15 bar(q)

Version with refrigeration dryer only: Series: SX T, SM T, SK T and ASK T Motor power: 2.2 to 22 kW FAD: 0.26 to 3.5 m³/min Standard pressure: 8/11/15 bar(g)

KAESER COMPRESSORS



SIGMA CONTROL 2

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Maintenance friendly

All maintenance work can be carried out from one side of the unit. The left housing cover is easily removed to allow excellent component accessibility. Furthermore, there's no need to remove the housing cover to inspect fluid levels or drive belt tension, as these can be checked via a convenient inspection window.



The all-in-one solution with energy-saving rotary screw compressor

There are also significant benefits to saving energy even with smaller rotary screw compressors. For example, a 20 % reduction in energy consumption with a 5.5 kW machine and 1000 operating hours per year translates into an annual saving of 1100 kWh and to a 660 kg reduction in CO₂ emissions.



The all-in-one solution with refrigeration dryer

The thermally shielded refrigeration dryer is installed beneath the rotary screw compressor. At the heart of the system is a stainless steel plate heat exchanger with an integrated condensate separator.



The all-in-one solution with integrated air receiver

SXC units are equipped with an internally coated compressed air receiver. The receiver performs 3 important functions: It cools the compressed air, stores it and pre-separates condensate. Accumulating condensate is reliably and efficiently removed via an electronically controlled condensate drain.

KAESER rotary screw compressors Modular design with refrigeration dryer – up to 132 kW

The innovative ASD T to **DSD T series**

These advanced rotary screw compressors are versatile, reliable and highly efficient.

With an integrated refrigeration dryer module, these complete air systems provide a dependable source of quality compressed air.

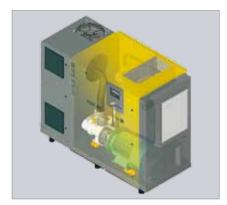
The air compressor and refrigeration dryer are installed in separate cabinets, which protects the dryer from exposure to heat from the compressor package thereby enhancing reliability.

Energy saving refrigeration dryers

The dryer shut-down feature – which is linked to compressor operation significantly reduces energy consumption.



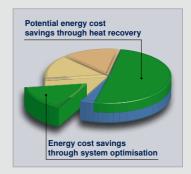
Series: ASD T to DSD T Motor power: 18.5 to 132 kW FAD: 2.09 to 23.8 m³/min Standard pressure: 8/11/15 bar(g)



Turn-key operation

Attached to the compressor unit, the refrigeration dryer module is delivered fully connected and ready for operation. The separate cabinet design allows the dryer components to be generously sized yet easily accessible and shields the dryer from exposure to heat arising from the compression process.

The high performance cooling system ensures reliable air package operation up to an ambient temperature of +45°C.



Save energy with the KAESER SIGMA PROFILE **

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Compressed air system Energy costs

Energy cost saving potential



SIGMA CONTROL 2

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Efficient centrifugal separator

Installed upstream from the refrigeration dryer, the centrifugal separator ensures dependable and efficient condensate removal even under conditions with high ambient temperatures and relative humidity. An electronic level-sensing ECO DRAIN provides effective condensate drainage without pressure loss.



Dependable refrigeration

The refrigeration dryer is also equipped with an electronic 'ECO DRAIN'. The level-controlled condensate drain eliminates the compressed air losses associated with solenoid valve control, which not only saves energy, but also enhances operational reliability.



Space-saving modular design

The refrigeration dryer module turns a standard rotary screw compressor into a compact compressed air supply system. All components are easily accessible, both simplifying and speeding up all maintenance work.

KAESER rotary screw compressors with SIGMA FREQUENCY CONTROL

Uncompromising efficiency

SM SFC to HSD SFC series compressors from Kaeser are exceptionally efficient variable speed rotary screw compressors. SM, SK and ASK SFC models use Kaeser's minimal maintenance belt drive system, which features automatic belt tensioning to ensure optimum power transmission. Larger models from the ASD SFC upwards are equipped with KAESER's premium efficiency 1:1 direct drive system.

The large, slow-speed KAESER airends with energy-saving SIGMA PROFILE rotors provide outstanding performance throughout the entire control range.

Every Kaeser SFC compressor model from the SM SFC to the HSD SFC series is capable of 100 percent duty cycles without any additional maintenance requirement.



Other variable speed compressors Transmission losses Energy consumption Maintenance costs

Ultimate efficiency with 1:1 drive

Significantly increasing reliability and service life, 1:1 drive (available with ASD SFC upwards) reduces the number of components needed in comparison with gear drive and eliminates the associated transmission losses. Sound levels are also considerably lower.

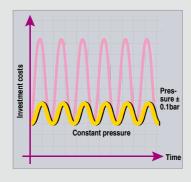
The benefits speak for themselves: efficient power transmission, optimal energy consumption and reduced servicing / downtime costs.

KAESER COMPRESSORS



SIGMA CONTROL 2

The control unit features an easy to read display and durable input keys. All relevant information can be viewed at a glance and user-friendliness is further enhanced by the logical menu structure coupled with the ability to display data in any one of 30 selectable languages.



Precision pressure control

SFC compressors are able to control air flow to match actual demand by continuously adjusting the airend speed within the given control range. Pressure can be maintained to within ± 0.1 bar, consequently enabling the maximum system pressure to be reduced. This can lead to significant savings, as each 1 bar pressure decrease results in a six percent reduction in energy consumption.



Maximum dependability even at high ambient temperatures

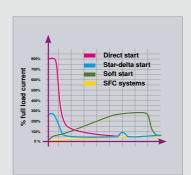
Contained in its own separately cooled cabinet, the generously sized SFC module enables perfect performance at ambient temperatures of up to $+45~^{\circ}$ C.



Series: SM SFC to HSD SFC Motor power: 7.5 to 515 kW FAD: 0.30 to 86 m³/min Standard pressure: 6 to 15 bar (g) SFC = SIGMA FREQUENCY CONTROL

Complete package EMC certified

The electro-magnetic compatibility (EMC) of components and of the complete machine has been tested and certified in accordance with all applicable regulations.



Soft start with no damaging current spikes

The soft rise in motor starting current from zero to full load without current spikes leads to an almost unlimited motor starting frequency (the number of possible motor starts within a given time period without overheating occurring). The continuously variable acceleration and deceleration significantly reduces component stress.



SIGMA CONTROL 2 and SIGMA CONTROL BASIC **Tailored intelligence**

SIGMA CONTROL 2



... for SX to HSD series compressors

With its versatile control, monitoring and communication abilities, the industrial PC-based SIGMA CONTROL 2 is the perfect choice for applications requiring sophisticated communication functionality. It is therefore fitted as standard on all KAESER ASD to HSD series rotary screw compressors and is optionally available for SX, SM, SK and ASK series compressors.



Series: SX - HSD

SIGMA CONTROL 2 – The function keys in detail

Basic functions



ON key switches the compressor 'ON' -> automatic self control operation. Green LED indicates' Compressor ON'.



Switches the compressor 'OFF'.

'Traffic light' functions



Alarm icon red LED indicates 'Compressor alarm'. Compressor is shut down on alarm.



Communication alarm icon red LED indicates 'Data communication to other systems interrupted'.



Maintenance icon - Yellow LED - indicates 'Maintenance due' or 'Maintenance counter expired' or 'Warning'.



Power ON icon green LED indicates 'Main switch ON, power supply available'.

Menu functions

to the right.



UP key scrolls the display text downwards line for line.



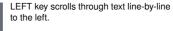
Info key – Access to current event information.

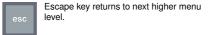


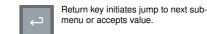
RIGHT key scrolls through text line-by-line

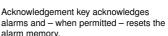
DOWN key scrolls through text line for











Additional functions



Idle key switches the compressor from load to idle.

remote control 'ON' and 'OFF'.



Timer ON/OFF key – Green LED – switches the set timer function 'ON' and

Remote ON key (green LED) switches



Load icon - Green LED - indicates 'Compressor on load, air being supplied'



Idle icon - Green I FD - indicates 'Compressor running, no air supply'.

SIGMA CONTROL BASIC



... for SXC, SX, SM, SK and ASK

The SIGMA CONTROL BASIC is available with KAESER's SX, SM, SK and ASK series rotary screw compressors. It is the perfect solution for users who initially require a single compressor for their air supply, but who also may wish to expand the compressed air system in the future. Furthermore, KAESER's modular control and compressed air management concept ensures trouble-free system compatibility.



SIGMA CONTROL BASIC – Functions

- · Quick and simple operation with clear icons and large display
- Fully automatic DUAL control (full load/ idle/ on/off control)
- · Monitoring of air network pressure parameters, airend temperature and direction of rotor rotation
- · Counter for service, load and operation hours
- · Adjustable maintenance intervals and choice of pressure and temperature units (bar/ psi/ MPa, °C/°F)

- · Adjustable nominal system pressure
- · Adjustable switching differential
- · Group alarm floating contact
- · Electronic pressure transducer

Information technology – Tailored system solutions

SIGMA AIR MANAGER: Tomorrow's technology, today

The SIGMA AIR MANAGER from KAESER is a ground-breaking PC-based master compressed air management system that combines cutting edge Internet and Web server technology within a single unit. The SIGMA AIR MANAGER optimises compressor system operation: It minimises power requirement by automatically selecting the most favourable machine configuration from up to 16 compressors. The SAM uses Kaeser's adaptive 3-D-Control (patentpending) which considers the three crucial factors that affect energy-efficient compressor control within a compressed air station, namely: switching losses, control losses and pressure flexibility. In order to ensure optimum performance, the SAM constantly analyses the relationship between these factors, calculates the best possible result and controls the compressors accordingly. Moreover, this approach enables required system pressure to be reduced thereby achieving further significant savings - each 1 bar decrease in pressure results in a 6 percent energy saving.

The SIGMA AIR CONTROL data visualisation feature, integrated as standard in every SIGMA AIR MANAGER master controller, allows current operational data, messages and alarms to be viewed at any time via the Internet simply by using a standard browser and requires no additional software.

Long-term data storage and compressed air auditing is also available if required (SIGMA AIR CONTROL PLUS).



KAESER COMPRESSORS

Compressed Air System

- Rotary screw compressor
 - · With energy-saving motor for minimised energy costs
 - Highly efficient SIGMA PROFILE ensures more air for less energy consumption
- SIGMA CONTROL compressor controller
 - · Proven industrial PC
 - · Future compatible with update capability
 - Exceptional versatility, even allows connection of external components (e.g. refrigeration dryer)
 - Prepared for Teleservice and connection of control and communication systems (Profibus DP) as standard
 - · Powerful multi-function timer
- 3 Compressed air management system SIGMA AIR MANAGER

4 Refrigeration dryer

- · Ensures quality, dry compressed air
- · Condensate-free compressed air
- +3°C pressure dew point
- SECOTEC cycling control enables up to 90 % energy savings

6 Air filters

- · For clean compressed air
- Minimal pressure drop

6 Centrifugal separator

· Consistent degree of separation

Air receiver

- · Galvanised both internally and externally as per DIN 50976
- · Long service life

Condensate drain

- · Automatic electronic-controlled condensate drain
- · Unrivalled reliability
- No compressed air losses

Oil / water separation system

- · Treats compressor condensate
- · Complies with applicable water regulations
- Approved by the Berlin Structural Engineering Institute
- · Saves disposal costs

Air-main charging system

- · Treated compressed air even when network is depressurised
- Significantly reduced leakage losses

11 Visualisation and long-term analysis with SIGMA AIR CONTROL basic and SIGMA AIR CONTROL plus (Optional)

- · Long-term data measurement for reporting, analysis, control and audits
- Enables targeted compressed air cost reduction
- · Highly informative energy cost summaries
- Additional cost pools can be added
- No additional software required (system uses standard Internet browser)
- Visualisation via RS 232 / Intranet / telephone network
- · Real-time data online

U Da

System data stored and processed in the SIGMA AIR MANAGER can be transferred via telephone or computer network (Ethernet). SMS messages, for example, can be forwarded to a service technician's mobile telephone.

Premium quality, precision machined

Production and quality assurance

To achieve maximum precision, components for KAESER rotary screw compressors are machined in climate-controlled rooms using the very latest tool machines. Dedicated and highly qualified personnel draw on years of engineering experience to ensure unrivalled product quality and consistency. Production tolerances are continuously monitored using micron precision 3-D measuring equipment (large photo right).





Precision milling and grinding

The SIGMA PROFILE rotors are machined on CNC profile grinders to micron accuracy.



Meticulous assembly

All airends and compressor packages are assembled to the highest standards by KAESER's qualified specialists in accordance with KAESER's Quality Management System.



Continuous quality control

Precision machining tolerance inspection via state-of-the-art 3-D coordinate measuring equipment ensures consistent product quality and component characteristics.



Detailed inspection

Each rotor pair undergoes detailed inspection for fitting accuracy and interplay.



Flexible machining centres

Modern machining centres installed in specially air conditioned rooms produce the rotors and casings for KAESER airends. Quality management to DIN/ISO 9001 ensures unrivalled product quality.



Expert advice and customer care: KAESER AIR SERVICE

Global service and advice

KAESER is represented throughout the world by in-country subsidiaries and qualified partners. No matter where, our customers can rely on fast and dependable customer support.





Optimised air supplies

After carrying out a computer-aided Air Demand Analysis (ADA), we will quickly determine your business's compressed air demand and provide an exact itemised air-cost analysis. With help from KAESER's Energy Saving System (KESS), the ADA data forms the basis for determining a cost-optimised air supply system.



Worldwide Teleservice

KAESER Teleservice, a cost-saving service solution based on global networking and data communication, enables remote diagnosis and demand-oriented maintenance. The service provides improved availability and optimised overall air supply efficiency.



Outstanding customer service

Our goal is total customer satisfaction, which is why we have created a worldwide service network providing global customer support. Expert service technicians and engineers are available throughout the world to give fast, reliable help where you need it, when you need it.



Genuine KAESER parts

KAESER's service personnel use only genuine maintenance and spare parts with proven long-term quality to ensure unrivalled reliability and long service life. Only Kaeser original parts guarantee tested quality.



SIGMA AIR UTILITY

"SIGMA AIR UTILITY" – Just buy the air you need. Now you can buy compressed air at a fixed price per unit, just like electricity, or any other utility.



More and more users choose KAESER



















Tunnelling and water pollution protection

Diesel-powered MOBILAIR portable compressors are as economical as they are versatile. They are used in a wide range of applications, such as supplying air for tunnel construction projects (e.g. the Gotthard base tunnel) or for oil booms used for oil spill containment in harbours.



Trade and industry

The majority of industrial compressed air requirements are met by rotary screw compressors, which are also being increasingly used in trade and workshop applications. KAESER screw compressors with SIGMA PROFILE rotor airends reflect this growing trend, as more than 200,000 of these economical and reliable systems are currently in service throughout the world.



PET bottle production

KAESER has developed a remarkably economical system solution for this growing field of application. The SIGMA PET AIR bottle production system comprises a low pressure stage (rotary screw compressor, control air), a high pressure stage (booster, blow moulding) and efficient refrigeration drying. In addition to outstanding system performance, air users benefit from low investment and operating costs.



Dust evacuation, packaging, filtration

KAESER rotary screw vacuum packages with the special KAESER vacuum airend are just as suited to evacuating, testing, drying, and degassing processes as they are to filtration applications or filling bottles and tubes. These units are also equipped with the advanced PC-based SIGMA CONTROL compressor controller.



Pressure and vacuum applications

KAESER rotary blowers with OMEGA PROFILE are used in pressure / vacuum applications for drying, aerating wastewater clarifiers, conveying powder or granular material, cleaning by suction, inspection and packaging.

Rotary screw compressors with V-belt drive - to 22kW

	Rotary screv	v compr	essors with \	/-beit dr	ive – to	22kW			
Image	Model	Working pressure	FAD*) Overall package at working pressure	Max. operating pressure	Rated motor power	Dimensions W x D x H	Air connection	Sound pressure level **)	Weight
		bar	m³/min	bar	kW	mm		dB(A)	kg
	SX - SK series	S							
	SX 3	7.5 10	0.34 0.26	8 11	2.2	590 x 632 x 970		59	140
(= [SX 4	7.5 10 13	0.45 0.36 0.26	Max. operating pressure bar kW s 8 11 2.2 590 x 6 8 11 3 590 x 6 8 11 4 590 x 6 8 11 5 5.5 630 x 7 15 8 11 7.5 630 x 7 15 8 11 750 x 8 11 1 750 x 8 11 1 15 750 x 8 11 1 15 8 11 1 15 8 11 1 15 8 11 1 15 8 11 1 15 8 11 1 15 8 11 1 15 8 11 15 8 11 1 15 8 11 1 15 8 11 1 15 8 11 15 8	590 x 632 x 970		60	140	
	SX 6	7.5 10 13	0.60 0.48 0.37	11	4	590 x 632 x 970	G ³ / ₄	61	145
	SX 8	7.5 10 13	0.80 0.67 0.54	11	5.5	590 x 632 x 970		64	155
	SM 9	7.5 10 13	0.90 0.75 0.55	11	5.5	630 x 762 x 1100		64	200
	SM 12	7.5 10 13	1.20 1.01 0.77	11	7.5	630 x 762 x 1100	G ³ / ₄	65	210
A	SM 15	7.5 10 13	1.50 1.26 1.00	11	9	630 x 762 x 1100		66	220
	SK 22	7.5 10 13	2.00 1.68 1.32	11	11	750 x 895 x 1260	0.4	66	312
L.	SK 25	7.5 10 13	2.50 2.11 1.72	11	15	750 x 895 x 1260	G 1	67	320
	ASK series								
	ASK 27	7.5 10 13	2.60 2.18 1.70	11	15	1130 x 780 x 1255		65	390
	ASK 32	7.5 10 13	3.15 2.66 2.05	11	18.5	1130 x 780 x 1255	G 1 ¹ / ₄	67	405
	ASK 35	7.5 10 13	3.50 2.96 2.37	11	22	1130 x 780 x 1255		69	420

Rotary screw compressors with 1:1 drive - to 500kW

lmage	Model	Working pressure	FAD*) Overall package at working pressure	Max. operating pressure	Rated motor power	Dimensions W x D x H	Air connection	Sound pressure level **)	Weight
		bar	m³/min	bar	kW	mm		dB(A)	kg
	ASD-BSD seri	ies							
	ASD 32	7.5 10 13	3.16 2.72 2.09	8 11 15	18.5	1350 x 921 x 1505		65	580
	ASD 37	7.5 10 13	3.90 3.12 2.65	8 11 15	22	1350 x 921 x 1505	G 1 ¹ / ₄	66	655
	ASD 47	7.5 10 13	4.57 3.84 2.99	8 11 15	25	1350 x 921 x 1505	Q 1 /4	66	665
	ASD 57	7.5 10 13	5.51 4.44 3.67	8 11 15	30	1350 x 921 x 1505		69	720
	BSD 62	7.5 10 13	5.65 4.45 3.60	8 11 15	30	1530 x 1005 x 1700		69	980
	BSD 72	7.5 10 13	7.00 5.59 4.40	8 11 15	37	1530 x 1005 x 1700	G 1 1/2	70	1015
	BSD 81	7.5 10	8.16 6.79	8 11	45	1530 x 1005 x 1700		72	1100

Image	Model	Working pressure	FAD*) Overall package at working pressure	Max. operating pressure	Rated motor power	Dimensions W x D x H	Air connection	Sound pressure level **)	Weight
		bar	m³/min	bar	kW	mm		dB(A)	kg
	CSD-HSD ser	ries							
	CSD 82	7.5 10 13	8.26 6.89 5.50	8 11 15	45	1650 x 1041 x 1865		70	1260
8.	CSD 102	7.5 10 13	10.14 8.19 6.74	8 11 15	55	1650 x 1041 x 1865	G 2	71	1300
	CSD 122	7.5 10 13	12.01 10.05 8.08	8 11 15	75	1650 x 1041 x 1865		72	1330
	CSDX 137	7.5 10 13	13.71 11.87 9.88	8 11 15	75	1950 x 1285 x 2025	G 2	72	1900
	CSDX 162	7.5 10 13	16.11 13.50 11.70	8 11 15	90	1950 x 1285 x 2025	G.E.	73	2000
	DSD 142	7.5	13.62	9	75	2350 x 1730 x 2040		68	2700
	DSD 172	7.5 10	16.12 13.20	8.5 12	90	2350 x 1730 x 2040		69	2850
	DSD 202	7.5 10 13	20.46 15.52 12.68	8.5 12 15	110	2350 x 1730 x 2040	DN 65	70	3200
	DSD 238	7.5 10 13	23.80 19.92 14.80	8.5 12 15	132	2350 x 1730 x 2040		71	3400
	DSDX 243	7.5 10 13	24.10 20.12 14.90	8.5 12 15	132	2600 x 1980 x 2040	DN 80	71 78 ***)	3650
	DSDX 302	7.5 10 13	30.20 23.50 19.52	8.5 12 15	160	2600 x 1980 x 2040	DIV 00	71 78 ***)	4100
	ESD 251	7.5	23.94	8.5	132	2650 x 2177 x 2117		74	4920
	ESD 301	7.5 10 13	30.6 23.7 20.62	8.5 11 15	160	2650 x 2177 x 2117	DN 90	75	4500
	ESD 351	7.5 10 13	36.76 30.27 23.1	8.5 12 15	200	2650 x 2177 x 2117	DIN 60	76	4900
	ESD 361	7.5	35.91	8.5	200	2650 x 2177 x 2117		76	5150
	ESD 441	7.5 10 13	42.0 36.1 29.92	8 10 15	250	2650 x 2177 x 2117	connection level **) dB(A) 865 70 865 72 8225 72 8225 73 84040 68 89040 DN 65 70 71 78 ****) 71 78 ****) 71 78 ****) 71 77 DN 80 P117 DN 80 P117 DN 125 P9 P350 DN 125 P9 P350 P1 25 P1 25	5350	
	FSD 471	7.5 10 12	47.1 40.5 35.5	8 10 12	250	3000 x 2143 x 2360	DN 125	79	6625
	FSD 571	7.5 10 13	57.2 46.4 39.45	8 12 13.5	315	3000 x 2143 x 2360	DIV 123	79	6900
	HSD 651	7.5 10 13	66.1 53.4 43.0	8.5 12 15	360	3470 x 2145 x 2350		71	8100
	HSD 711	7.5 10 13	71.8 59.4 46.2	8.5 12 15	400	3470 x 2145 x 2350	D	72	8500
	HSD 761	7.5 10 13	77.6 65.1 52.3	8.5 12 15	450	3470 x 2145 x 2350	UN 150	72	8600
	HSD 831	7.5 10 13	83.4 70.8 58.4	8.5 12 15	500	3470 x 2145 x 2350		73	8700

"Performance data in accordance with ISO 1217: 2009, Annex C. "Sound pressure level as per ISO 2151 and basic standard ISO 9614-2, tolerance: ± 3 dB(A); "At high fan speed

Modular rotary screw compressors with refrigeration dryer & air receiver - to 15 kW

	Modular rota	iry sc	rew con	npres	sors	with re	frige	ratio	n dry	er & air re	ceive	r – to	15 kW
Image	Model	Working pressure	FAD*) overall package at working pressure	Max. operating pressure	Rated motor power	Dryer power consumption	Refrige- rant	Pressure dew point	Air receiver capacity	Dimensions W x D x H	Air connec- tion	Sound pressure level **)	Weight
		bar	m³/min	bar	kW	kW	Type	° C	1	mm		dB(A)	kg
	SXC series												
	SXC 3	7.5 10	0.34 0.26	8 11	2.2	0.25	R 134a	+ 6	215	620 x 980 x 1480		68	285
	SXC 4	7.5 10 13	0.45 0.36 0.26	8 11 15	3.0	0.25	R 134a	+ 6	215	620 x 980 x 1480		69	285
, ,	SXC 6	7.5 10 13	0.60 0.48 0.37	8 11 15	4.0	0.30	R 134a	+ 6	215	620 x 980 x 1480	G %4	69	290
•	SXC 8	7.5 10 13	0.80 0.67 0.54	8 11 15	5.5	0.30	R 134a	+ 6	215	620 x 980 x 1480		69	300
	AIRCENTER se	eries											
	59	285											
	AIRCENTER 4	10	0.35	11	3	0.25	R 134a	+ 3	200	590 x 1090 x 1560	G 3/,	60	285
	AIRCENTER 6	10	0.48	11	4	0.27	R 134a	+ 3	200	590 x 1090 x 1560	J 14	61	290
	AIRCENTER 8	10	0.67	11	5.5	0.27	R 134a	+ 3	200	590 x 1090 x 1560		64	300
	AIRCENTER 9	10	0.75	11	5.5	0.30	R 134a	+ 3	270	630 x 1200 x 1716		64	390
(#1)	AIRCENTER 12	10	1.01	11	7.5	0.30	R 134a	+ 3	270	630 x 1200 x 1716	G ³ / ₄	65	400
	AIRCENTER 15	10	1.26	11	9	0.37	R 134a	+ 3	270	630 x 1200 x 1716		66	410
JIIRI	AIRCENTER 22	10 13	1.68 1.32	11	11	0.52	R 134a	+ 3	350	750 x 1370 x 1880	G 1	66	579
	AIRCENTER 25	10	2.11	11	15	0.52	R 134a	+ 3	350	750 x 1370 x 1880	.	67	587
	SX T-SK T sei	ries, m	odular w	ith re	frige	ration dr	yer –	to 15	kW				
	SX 3 T			8 11	2.2	0.25	R 134a	+ 3	-	590 x 900 x 970		59	185
(=1	SX 4 T	10	0.36	11	3	0.25	R 134a	+ 3	-	590 x 900 x 970	G 3/4	60	185
	SX 6 T	10	0.48	11	4	0.27	R 134a	+ 3	-	590 x 900x 970	<i>G</i> 74	61	190
	SX 8 T	10	0.67	11	5.5	0.27	R 134a	+ 3	-	590 x 900 x 970		64	200
(TA	SM 9 T	10	0.75	11	5.5	0.30	R 134a	+ 3	-	630 x 1074 x 1100		64	275
-	SM 12 T	10	1.01	11	7.5	0.30	R 134a	+ 3	-	630 x 1074 x 1100	G 3/4	65	285
	SM 15 T	10	1.26	11	9	0.37	R 134a	+ 3		630 x 1074 x 1100		66	295
	SK 22 T	10	1.68	11	11	0.52	R 134a	+ 3	-	750 x 1240 x 1260	C 1	66	387
	SK 25 T				15	0.52	R 134a	+ 3	-	750 x 1240 x 1260	u i	67	395

Modular rotary screw compressors with refrigeration dryer - to 132kW

Image	Model	Working pressure	FAD*) overall package at working pressure	Max. operating pressure	Rated motor power	Dryer power consumption	Refrige- rant	Pressure dew point	Air receiver capacity	Dimensions W x D x H	Air connec- tion	Sound pressure level	Weight
		bar	m³/min	bar	kW	kW	Туре	°C	-1	mm		dB(A)	kg
	ASK T-DSD T	series	i										
~_	ASK 27 T	7.5 10 13	2.60 2.18 1.70	8 11 15	15	0.68	R 134a	+3	-	1480 x 780 x 1255		65	467
	ASK 32 T	7.5 10 13	3.15 2.66 2.05	8 11 15	18.5	0.68	R 134a	+3	-	1480 x 780 x 1255	G 1 1/4	67	482
	ASK 35 T	7.5 10 13	3.50 2.96 2.37	8 11 15	22	0.68	R 134a	+3	-	1480 x 780 x 1255		69	487
	ASD 32 T	7.5 10 13	3.16 2.72 2.09	8 11 15	18.5	0.5	R 134a	+ 3	-	1850 x 921 x 1505		65	740
	ASD 37 T	7.5 10 13	3.90 3.12 2.65	8 11 15	22	0.5	R 134a	+3	-	1850 x 921 x 1505	G 1 ¹ / ₄	66	820
· u ·	ASD 47 T	7.5 10 13	4.57 3.84 2.99	8 11 15	25	0.8	R 134a	+ 3	-	1850 x 921 x 1505	U 174	66	830
	ASD 57 T	7.5 10 13	5.51 4.44 3.67	8 11 15	30	0.8	R 134a	+ 3	-	1850 x 921 x 1505		69	890
	BSD 62 T	7.5 10 13	5.65 4.45 3.60	8 11 15	30	0.8	R 134a	+3	-	2080 x 1005 x 1700	C 11/	69	1200
	BSD 72 T	7.5 10 13	7.00 5.59 4.40	8 11 15	37	0.8	R 134a	+3	-	2080 x 1005 x 1700	G 1 1/ ₂	70	1250
	BSD 81 T	7.5 10 13	8.16 6.79 5.43	8 11 15	45	1.1	R 134a	+ 3	-	2080 x 1005 x 1700	G 2	72	1350
	CSD 82 T	7.5 10 13	8.26 6.89 5.50	8 11 15	45	1.1	R 134a	+3	-	2200 x 1041 x 1865		70	1460
	CSD 102 T	7.5 10 13	10.14 8.19 6.74	8 11 15	55	1.1	R 134a	+3	-	2200 x 1041 x 1865	G 2	71	1510
	CSD 122 T	7.5 10 13	12.01 10.05 8.08	8 11 15	75	1.4	R 134a	+3	-	2200 x 1041 x 1865		72	1540
	CSDX 137 T	7.5 10 13	13.71 11.87 9.88	8 11 15	75	2.2	R 134a	+3	-	2600 x 1285 x 2025	Go	72	2250
, <u>, , , , , , , , , , , , , , , , , , </u>	CSDX 162 T	7.5 10 13	16.11 13.50 11.70	8 11 15	90	2.2	R 134a	+3	-	2600 x 1285 x 2025	G2	73	2350
	DSD 142 T	7.5	13.62	9	75	2.1	R 134a	+ 3	-	3310 x 1730 x 2040		68	3100
	DSD 172 T	7.5 10	16.12 13.20	8.5 12	90	2.1	R 134a	+ 3	-	3310 x 1730 x 2040		69	3250
	DSD 202 T	7.5 10 13	20.46 15.52 12.68	8.5 12 15	110	2.35	R 134a	+3	-	3310 x 1730 x 2040	DN 65	70	3650
	DSD 238 T	7.5 10 13	23.80 19.92 14.80	8.5 12 15	132	2.35	R 134a	+3	-	3310 x 1730 x 2040		71 79***)	3850

[&]quot;Performance data in accordance with ISO 1217: 2009, Annex C. "Sound pressure level as per ISO 2151 and basic standard ISO 9614-2, tolerance: ± 3 dB(A); "At high fan speed

Modular rotary screw compressors with SIGMA FREQUENCY CONTROL - to 515 kW

	Modular rota	ary so	crew com	press	ors	with SI	GMA FR	EQUEN	CY CONTR	OL – 1	to 515	kW
Image	Model	Working pressure	1.	Max. operating pressure	Rated motor power	min. pressure bandwidth	Speed range min.–max.	Frequency range min max.	Dimensions W x D x H	Air connec- tion	Sound pressure level **)	Weight
		bar	m³/min	bar	kW	bar	rpm	Hz	mm		dB(A)	kg
	SM SFC-CSD	K SFC	series									
	SM 12 SFC	7.5 10 13	0.34 - 1.24 0.34 - 1.04 0.30 - 0.78	8 11 15	7.5	± 0.1	1200 - 3780 1500 - 3780 1800 - 3780	20 - 63 25 - 63 30 - 63	630 x 762 x 1100	G 3/4	67	220
<u>[</u>	SK 22 SFC	7.5 10 13	0.62 - 1.98 0.63 - 1.67 0.57 - 1.37	8 11 15	11	± 0.1	1200 - 3510 1500 - 3552 1800 - 3660	20 - 58.5 25 - 59.2 30 - 61.0	750 x 895 x 1260	G 1	67	329
<u> </u>	SK 25 SFC	7.5 10 13	0.81 - 2.55 0.84 - 2.25 0.85 - 1.90	8 11 15	15	± 0.1	1200 - 3660 1500 - 3696 1800 - 3872	20 - 61.0 25 - 61.6 30 - 64.5	750 x 895 x 1260	G 1	68	337
<u> </u>	ASK 32 SFC	7.5 10 13	0.77 - 2.90 0.59 - 2.38 0.67 - 1.84	8 11 15	18.5	± 0.1	1200 - 3900 1200 - 3960 1800 - 3780	20 - 65 20 - 66 30 - 63	1130 x 850 x 1255	G 1 ¹ / ₄	68	425
	ASD 32 SFC	7.5 10	0.69 - 3.32 0.90 - 2.86	10	18.5	± 0.1	900 - 3690 1200 - 3240	15 - 61.5 20 - 54	1850 x 921 x 1505		67	715
	ASD 37 SFC	7.5 10 13	0.82 - 4.05 0.61 - 3.58 0.56 - 3.17	8.5 15 15	22	± 0.1	900 - 3840 900 - 4050 900 - 3600	15 - 64 15 - 67.5 15 - 60	1850 x 921 x 1505	G 1 1/4	68	790
	ASD 47 SFC	7.5 10 13	1.07 - 4.92 0.79 - 4.12 0.60 - 3.60	8.5 11 15	25	± 0.1	900 - 3780 900 - 3960 900 - 4200	15 - 63 15 - 66 15 - 70	1850 x 921 x 1505		68	800
	BSD 72 SFC	7.5 10 13	1.57 - 6.25 1.16 - 5.34 0.87 - 4.45	8.5 11 15	37	± 0.1	900 - 3330 900 - 3600 900 - 3720	15 - 55.5 15 - 60 15 - 62	2080 x 1005 x 1700	G 1 1/2	72	1220
	CSD 82 SFC	7.5 10 13	1.92 - 8.20 1.49 - 6.90 1.10 - 5.80	8.5 11 15	45	± 0.1	900 - 3540 900 - 3720 900 - 3960	15 - 59 15 - 62 15 - 66	2200 x 1041 x 1865		72	1350
	CSD 102 SFC	7.5 10 13	2.33 - 9.90 1.90 - 8.95 1.40 - 7.30	8.5 11 15	55	± 0.1	900 - 3600 900 - 3900 900 - 4020	15 - 60 15 - 65 15 - 67	2200 x 1041 x 1865	G 2	73	1560
T	CSD 122 SFC	7.5 10 13	2.80 -12.28 2.20 - 10.50 1.86 - 8.90	8.5 11 15	75	± 0.1	900 - 3660 900 - 3840 900 - 4020	15 - 61 15 - 64 15 - 67	2200 x 1041 x 1865		74	1610
	CSDX 137 SFC	7.5 10 13	3.39 - 13.25 2.81 - 11.30 2.13 - 9.62	8.5 11 15	75	± 0.1	900 - 3300 900 - 3390 900 - 3540	15 - 55 15 - 56.5 15 - 59	2600 x 1285 x 2025	285 x 2025 G 2	74	2200
.	CSDX 162 SFC	7.5 10 13	3.93 - 15.85 3.36 - 14.03 2.60 - 12.00	8.5 11 15	90	± 0.1	900 - 3480 900 - 3570 900 - 3690	15 - 58 15 - 59.5 15 - 61.5	2600 x 1285 x 2025	0 -2	75	2400
	DSC SFC-HSI	SFC	series									
	DSD 142 SFC	7.5	3.60 - 14.80	9	75	± 0.1	450 - 1635	15 - 54.5	2905 x 1730 x 2040		69	3100
	DSD 172 SFC	7.5 10	3.60 - 16.33 3.55 - 14.20	10	90	± 0.1	450 - 1815 450 - 1590	15 - 60.5 15 - 53	2905 x 1730 x 2040		70	3230
	DSD 202 SFC	7.5 10 13	4.25 - 20.30 4.00 - 17.30 3.25 - 14.95	10 10 15	110	± 0.1	450 - 1905 450 - 1680 450 -1770	15 - 63.5 15 - 56 15 - 59	2905 x 1730 x 2040	DN 65	71	3730
	DSD 238 SFC	7.5 10 13	5.93 - 22.5 6.60 - 20.0 3.56 - 16.0	10 10 15	132	± 0.1	450 - 1650 450 - 1500 450 - 1620	15 - 55 17 - 50 15 - 54	2905 x 1730 x 2040		72 (79***)	3870
	DSDX 243 SFC	7.5 10 13	6.62 - 26.90 5.60 - 23.73 3.56 - 19.00	8.5 12 15	132	± 0.1	450 - 1680 450 - 1770 450 - 1920	15 - 56 15 - 59 15 - 64	3155 x 1945 x 2040	DN 80	71 (78***)	4150
	DSDX 302 SFC	7.5 10 13	6.62 - 30.60 5.60 - 26.70 3.56 - 21.10	8.5 12 15	160	± 0.1	450 - 1920 450 - 2010 450 - 2160	15 - 64 15 - 67 15 - 72	3155 x 1945 x 2040		72 (78***)	4600
	ESD 351 SFC	7.5 10 13	8.45 - 33.00 6.45 - 27.30 5.17 - 23.70	8.5 12 15	200	± 0.1	450 - 1650 450 - 1710 450 - 1800	15 - 55 15 - 57 15 - 60	3285 x 2142 x 2625	DN 80	72 (76***)	5800
	ESD 441 SFC	7.5 10 13	10.2 - 40.50 8.50 - 36.40 6.13 - 29.50	8.5 12 15	250	± 0.1	450 - 1725 450 - 1845 450 - 1920	15 - 57.5 15 - 61.5 15 - 64	3285 x 2142 x 2625		74 (79***)	6200
	FSD 571 SFC	7.5 10 13	13.30 - 52.10 9.80 - 45.10 9.40 - 39.70	8 10 15	315	± 0.1	450 - 1665 450 - 1920 450 - 1710	15 - 55.5 15 - 64 15 - 57	3610 x 2143 x 2360	DN 125	80	7610
	HSD 651 SFC	7.5 10	10.1 - 66.0 8.4 - 56.1	8.5 12	382	± 0.1	450 - 1770 450 - 1830	15 - 59 15 - 61	4370 x 2145 x 2350		73	9100
	HSD 761 SFC	7.5 10 13	11.7 - 75.9 9.8 - 63.8 8.0 - 54.0	8.5 12 15	410	± 0.1	450 - 1650 450 - 1710 450 - 1770	15 - 55 15 - 57 15 - 59	4370 x 2145 x 2350	DN 150	74	9600
	HSD 831 SFC	7.5 10 13	11.8 - 86.0 9.8 - 73.6 9.4 - 62.6	8 12 15	515	± 0.1	450 - 1830 450 - 1890 450 - 1710	15 - 61 15 - 63 15 - 57	4370 x 2145 x 2350		75	10100

Modular rotary screw compressors with SIGMA FREQUENCY CONTROL and refrigeration dryer - to 132 kW

				•••		JE ana		geradio		y C.	- to 132 KW			
Image	Model	Working pressure	FAD*) overall package at working pressure	Max. opera- ting pres- sure	Rated motor power	Speed range minmax.	Frequency range min.– max.	Dryer power consumption	Refrige- rant	Pres- sure dew point	Dimensions W x D x H	Air connec- tion	Sound pressure level	Weigh
		bar	m³/min	bar	kW	rpm	Hz	kW	Type	° C	mm		dB(A)	kg
	AIRCENTER S	FC se	ries											
	AIRCENTER 12 SFC	7.5 10 13	0.34 - 1.24 0.34 - 1.04 0.30 - 0.78	8 11 15	7.5	1200 - 3780 1500 - 3780 1800 - 3780	25 - 63	0.3	R 134a	+ 3	630 x 1200 x 1716	G ³ / ₄	67	410
	AIRCENTER 22 SFC	7.5 10 15	0.62 - 1.98 0.63 - 1.67 0.57 - 1.37	8 11 15	11	1200 - 3510 1500 - 3552 1800 - 3660	25 - 59.2	0.52	R 134a	+ 3	750 x 1370 x 1880	G 1	67	596
	AIRCENTER 25 SFC	7.5 10 15	0.81 - 2.55 0.84 - 2.25 0.83 - 1.90	8 11 15	15	1200 - 3660 1500 - 3696 1800 - 3872	25 - 61.6	0.52	R 134a	+ 3	750 x 1370 x 1880	G 1	68	604
	SM T SFC-DS	D T SI	FC series	5										
	SM 12 T SFC	7.5 10 13	0.34 - 1.24 0.34 - 1.04 0.30 - 0.78	8 11 15	7.5	1200 - 3780 1500 - 3780 1800 - 3780	25 - 63	0.3	R 134a	+ 3	630 x 1074 x 1100	G ³ / ₄	67	295
(SK 22 T SFC	7.5 10 13	0.60 - 2.00 0.70 - 1.80 0.60 - 1.50	8 11 15	11	1200 - 3510 1500 - 3652 1800 - 3660	25 - 58.2	0.52	R 134a	+ 3	750 x 1240 x 1260	G 1	66	404
	SK 25 T SFC 7.5 10 13	10	0.60 - 2.50 0.80 - 2.20 0.80 - 1.90	8 11 15	15	1200 - 3660 1500 - 3696 1800 - 3872	25 - 61.6	0.52	R 134a	+ 3	750 x 1240 x 1260	G 1	67	412
	ASK 32 T SFC	7.5 10 13	0.77 - 2.90 0.59 - 2.38 0.67 - 1.84	8 11 15	18.5	1200 - 3900 1200 - 3960 1800 - 3780	20 - 66	0.68	R 134a	+ 3	1480 x 850 x 1255	G 1 ¹ / ₄	68	500
	ASD 32 T SFC	7.5 10	0.69 - 3.32 0.90 - 2.86	10	18.5	900 - 3690 1200 - 3240		0.5	R 134a	+ 3	1850 x 921 x 1505		67	825
	ASD 37 T SFC	7.5 10 13	0.82 - 4.05 0.61 - 3.58 0.56 - 3.17	8.5 15 15	22	900 - 3840 900 - 4050 900 - 3600	15 - 64 15 - 67.5 15 - 60	0.5	R 134a	+ 3	1850 x 921 x 1505	G 1 ¹ / ₄	68	900
	ASD 47 T SFC	7.5 10 13	1.07 - 4.92 0.79 - 4.12 0.60 - 3.60	8.5 11 15	25	900 - 3780 900 - 3960 900 - 4200	15 - 63 15 - 66 15 - 70	0.8	R 134a	+ 3	1850 x 921 x 1505		68	910
	BSD 72 T SFC	7.5 10 13	1.57 - 6.25 1.16 - 5.34 0.87 - 4.45	8.5 11 15	37	900 - 3330 900 - 3600 900 - 3720	15 - 60	0.8	R 134a	+ 3	2080 x 1005 x 1700	G 1 1/2	72	1340
	CSD 82 T SFC	7.5 10 13	1.92 - 8.20 1.49 - 6.90 1.10 - 5.80	8.5 11 15	45	900 - 3540 900 - 3720 900 - 3960	15 - 59 15 - 62 15 - 66	1.1	R 134a	+ 3	2200 x 1041 x 1865		72	1580
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CSD 102 T SFC	7.5 10 13	2.33 - 9.90 1.90 - 8.95 1.40 - 7.30	8.5 11 15	55	900 - 3600 900 - 3900 900 - 4020	15 - 60 15 - 65 15 - 67	1.1	R 134a	+ 3	2200 x 1041 x 1865	G 2	73	1700
	CSD 122 T SFC	7.5 10 13	2.88 -12.28 2.20 -10.50 1.86 - 8.90	8.5 11 15	75	900 - 3600 900 - 3840 900 - 4020	15 - 61 15 - 64 15 - 67	1.4	R 134a	+ 3	2200 x 1041 x 1865		74	1770
	CSDX 137 T SFC	7.5 10 13	3.39 -13.25 2.81 -11.30 2.13 -9.62	8.5 11 15	75	900 - 3300 900 - 3390 900 - 3540	15 - 55 15 - 56.5 15 - 59	2.2	R 134a	+ 3	2600 x 1285 x 2025		74	2400
	CSDX 162 T SFC	7.5 10 13	3.93 -15.85 3.36 -14.03 2.60 -12.00	8.5 11 15	90	900 - 3480 900 - 3570 900 - 3690	15 - 58 15 - 59.5	2.2	R 134a	+ 3	2600 x 1285 x 2025	G 2	75	2600
	DSD 142 T SFC	7.5	3.60 - 14.80	9	75	450 - 1635	15 - 54.5	2.1	R 134a	+ 3	3310 x 1730 x 2040		69	3400
	DSD 172 T SFC	7.5 10	3.60 - 16.33 3.55 - 14.20	10	90	450 - 1815 450 - 1590	15 - 60.5 15 - 53	2.1	R 134a	+ 3	3310 x 1730 x 2040		70	3530
	DSD 202 T SFC	7.5 10 13	4.25 - 20.30 4.00 - 17.30 3.25 - 14.95	10 10 15	110	450 - 1905 450 - 1680 450 -1770	15 - 63.5 15 - 56 15 - 59	2.35	R 134a	+3	3310 x 1730 x 2040	DN 65	71	4080
•	DSD 238 T SFC	7.5 10 13	5.93 - 22.5 5.80 - 20.0 3.56 - 16.0	10 10 15	132	450 -1650 450 - 1500 450 - 1620	15 - 55 15 - 50 15 - 54	2.35	R 134a	+ 3	3310x 1730 x 2040		72 79***)	4220

"Performance data in accordance with ISO 1217: 2009, Annex C. "Sound pressure level as per ISO 2151 and basic standard ISO 9614-2, tolerance: ± 3 dB(A); "At high fan speed

