

BOGE AIR. THE AIR TO WORK.



SCREW COMPRESSORS

Over 100,000 compressed air users expect more when it comes to their compressed air supply.

BOGE air provides them with the air to work.

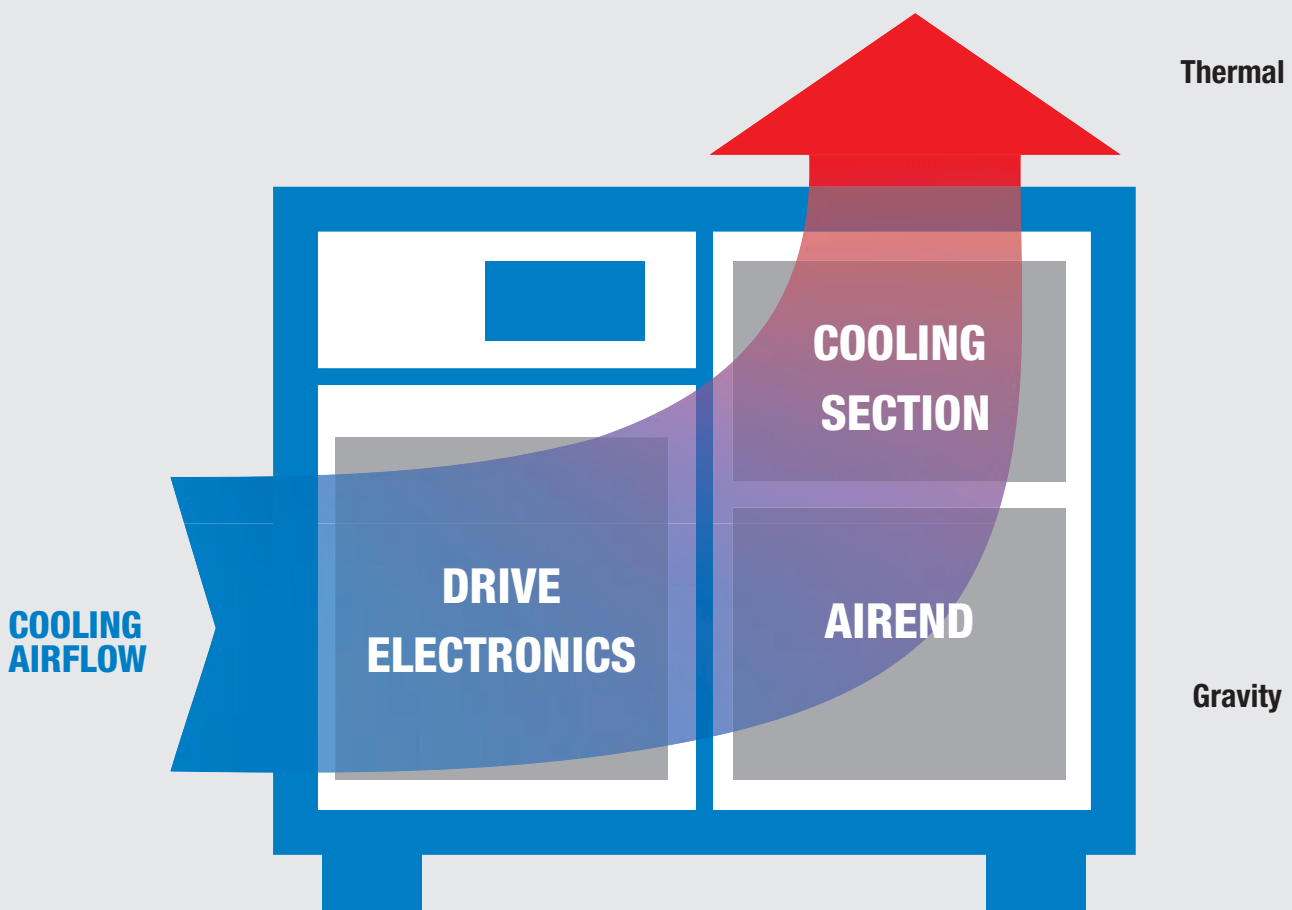
For more than three decades BOGE screw compressors “Made in Germany” have stood the test of time: in industry and trade - from the one-man workshop to the automotive industry and the large refineries. Today, BOGE screw compressors have much more to offer than just compressed air: state-of-the-art technology, a modular design concept and maximum energy efficiency ensures that they meet the high reliability and efficiency standards customers have come to expect from BOGE.

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Nature does not waste energy.

Our screw compressors are also built using this principle.



Intelligent engineering from BOGE: The three main sections of the BOGE screw compressor (electronics & drive, compressor, independent cooling unit) are strategically aligned in the main cooling air flow: for maximum efficiency and service life.

Efficiency made easy: According to our engineers, the design of the BOGE screw compressor is very much based on the principles of nature. High outputs, effective oil separation, and an extremely long service life of the component parts ensure that energy consumption is optimised.

THERMAL ADVANTAGE: THE BOGE COOLING AIR FLOW.

Warm air rises: Our engineers harnessed this simple law of physics in order to make BOGE screw compressors even more efficient and to prolong their service life. Cooling air is taken in at the lowest point in the package by a separate cooling air fan and is drawn over the component parts upwards before leaving the compressor at the highest point – our so called chimney effect. This main cooling air flow is many times higher than the actual cooling air flow of the integrated motor fan. Due to chimney principle, the system keeps cooling even during load reversal.

Efficiency advantage: The intake filter is positioned in the coolest part of the cooling airflow and takes in the air for compression at the lowest temperature. This results in an optimised volumetric efficiency and output from the compressor. The air/oil cooler, on the other hand, is positioned at the top of the compressor station. The cooler is generously dimensioned and, in conjunction with the cooling airflow, provides for the lowest possible internal cabinet temperature as well as discharge compressed air temperature. When connected directly to ducting, the cooling air can be removed without any problems or recovered and easily redirected to supplement space heating.

Service life advantage: Motor, switch cabinet and all electric components are positioned at the intake of the main cooling airflow and benefit from the coolest air. As a result these components do not overheat either in load or in idle mode which means their service life is extended considerably. There are no heat sinks within the cabinet in either operating mode.

GRAVITY ADVANTAGE: THE BOGE OIL SEPARATION SYSTEM.

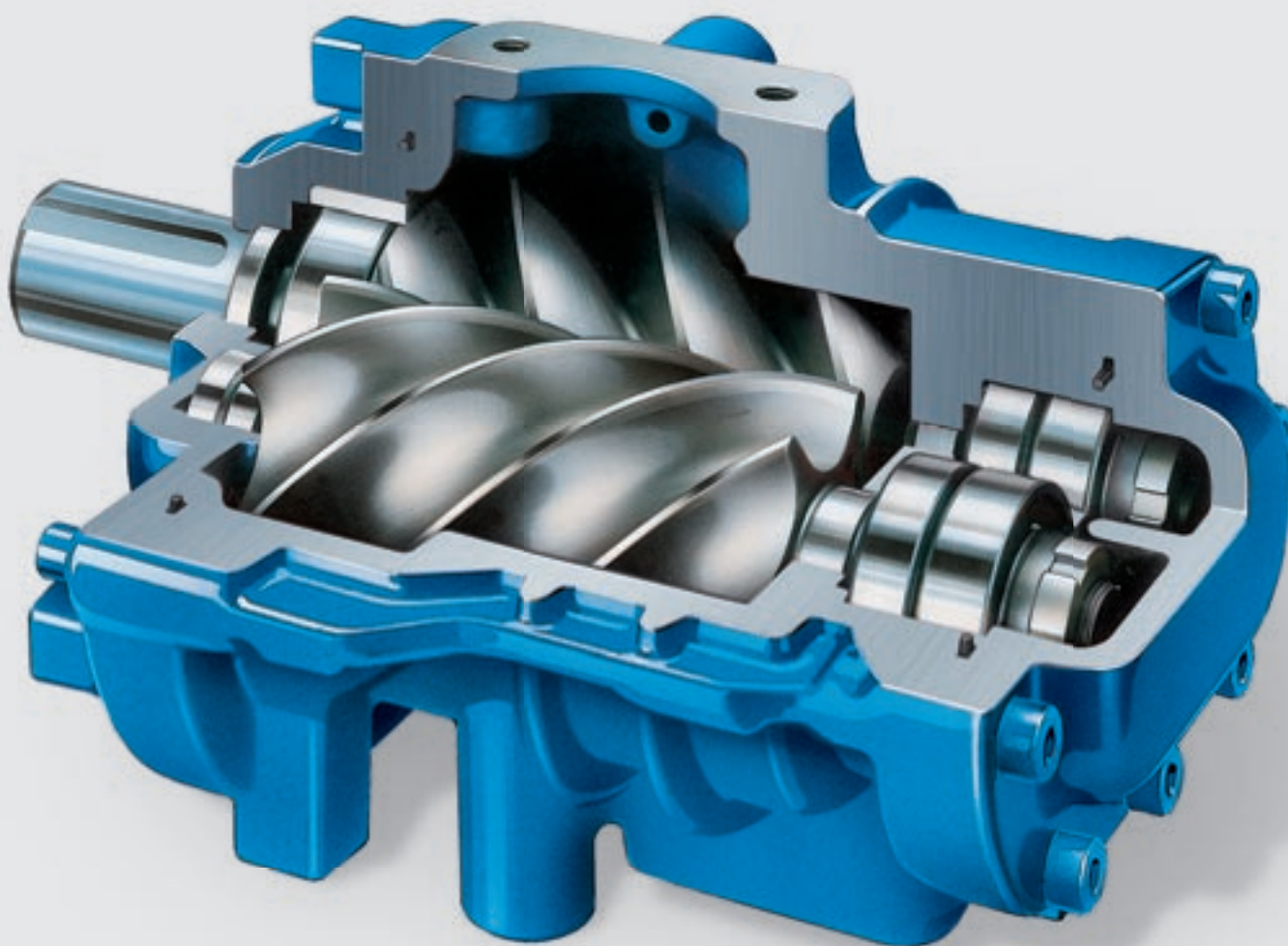
Oil always flows to the lowest point:

Therefore our engineers have positioned the oil pre-separator horizontally at the lowest point of the system. Also due to rapid reduction of the compressed air speed after compression bulk oil "rains" from the compressed air into the reservoir – a most efficient form of oil pre-separation.

Efficiency advantage: The BOGE oil separation system is designed to minimise internal pressure losses and to ensure a residual oil content of 1-3 mg/m³ in every operating phase. The horizontal combi-tank ensures a low foam level at load reversal virtually eliminating the risk of bulk oil reaching the separator cartridges.

Long-life service advantage: BOGE oil separator cartridges have a long service life – not only as a result of the highly effective oil pre-separation but also because of the large safety distance between the oil surface and the separator that prevents the oil from migrating into the separator cartridge.

Quality in its most efficient form:
The BOGE airend.



The heart of every BOGE screw compressor:
The reliable and efficient airend.

Everything is cutting edge: The BOGE airend is the heart of the BOGE screw compressor. Engineered to exacting tolerances the BOGE airend combines quality and efficiency with long service life making it one of the best of its kind and a sound long-term investment for our customers.

PREMIUM QUALITY MADE IN GERMANY

Maximum reliability

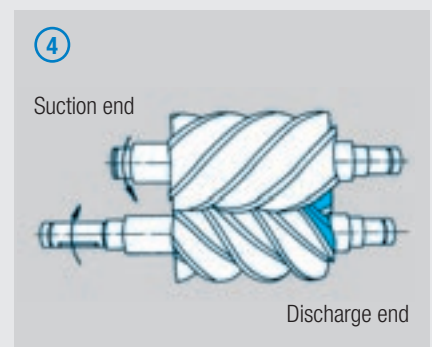
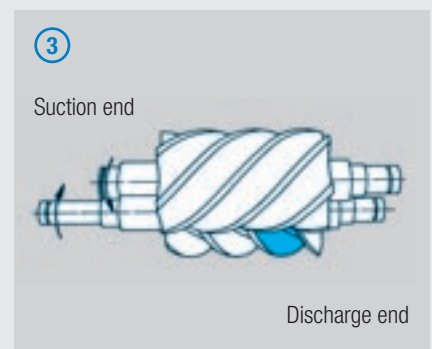
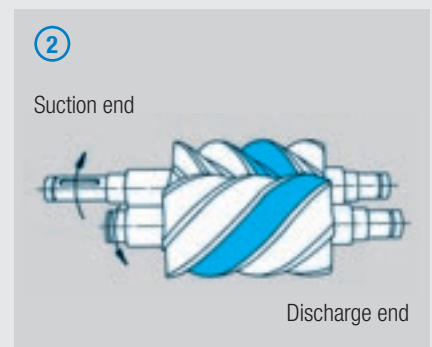
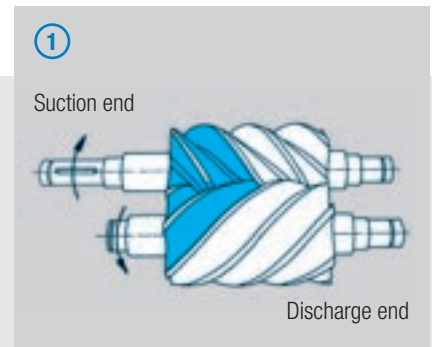
BOGE airends are manufactured on state-of-the-art production lines and are examples of the finest German engineering. Lowest manufacturing tolerances combined with quality materials ensures the dependability of each airend. Computer controlled testing further ensures that every single airend meets our high quality standards. The longest possible service life is also assured thanks to generously dimensioned axial and radial bearings.

Maximum efficiency

The screw profile of the BOGE airend has been optimised using the latest technological advancements providing maximum efficiency over the entire service life. We calculate the best possible specific power characteristics of each airend to ensure the best output per kW of power whilst ensuring the airend continuously operates at its optimal speed.

THE COMPRESSION PROCEDURE

- ① **Intake:**
The air passes through the intake opening into the rotors that are open on the suction side.
- ② ③ **Compressing:**
As the screw rotates the air intake opening closes. The volume in the chambers is reduced and pressure increases. During this procedure, oil is injected to lubricate the rotor bearings, to seal the rotors, and to dissipate the heat of compression.
- ④ **Discharge:**
Compression is completed, final pressure is reached, and discharge starts.



Energy prices cannot be controlled. But energy efficiency can.

INTELLIGENT CONTROL

The BOGE control and monitoring concept is your key to more energy efficient operation. With BOGE you get a state-of-the-art control system; it can control and monitor the key parameters of up to 16 compressors whilst optimising off load and idle times by using the most energy efficient combination of compressors to ensure the optimum output at the required pressure.

Optimised output:
BOGE compressor controllers.

BASIC

The BASIC controller displays five parameters as well as fault and maintenance messages and coupled with modern pressure sensors to reliably retrieve the pressure values. The BASIC controller can be programmed to ensure optimum operation of a compressed air system in line with the actual demand.



FOCUS

FOCUS is the latest generation of BOGE energy efficiency compressor controllers. A large sized back-lit LC display, including clear text display, highlights error/maintenance messages, working conditions as well as the relevant operating parameters. In addition, both the operating

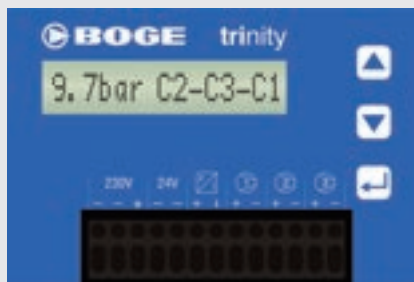
status of frequency controlled and fixed speed compressors is displayed. The FOCUS control will optimise load/idling times as well as downtimes – for ultimate compressed air efficiency.



Synchronised output:
BOGE Master controllers.

TRINITY

With the **trinity** controller from BOGE you can control up to three compressors of equal or different size or implement an automatic base load switching control. The adjustable base load switching cycle enables a constant load operation of all the installed compressors. **trinity** can be installed into the compressor switch cabinet or provided as a separate wall mounting cabinet version.



AIRTELLIGENCE

airtelligence is designed to control up to 16 compressors of different makes and sizes in a multi-compressor system. It operates by selecting the appropriate compressor combination to meet the compressed air demand and to proficiently configure your system to ensure best possible operating efficiency: load/idle run switch cycles are minimised and expensive idle run times virtually eliminated. **airtelligence**: For a cost-effective and safe operation!



AIRTELLIGENCE PROVIS

Seeing is believing: **airtelligence** PROVIS synchronises up to 16 compressors and visualises the central parameters. As a result energy costs can be closely monitored via an interface to a web server where you can view this data at anytime and anywhere around the world.



Energy costs need not go off course: because BOGE's energy efficiency solutions offer a number of options that save energy. It is calculated that energy costs account for around 75 percent of the lifetime costs of compressed air generation. This makes energy optimisation essential for any compressed air user. Significant sustainable savings can be created by continually auditing and optimising your installation. You should therefore rely on a partner who, as an energy expert, is ready and able to support you before and after your decision to purchase compressed air products. Welcome to BOGE!

INTELLIGENT SAVINGS

Perfectly controlled output: BOGE frequency controlled screw compressors

When there is a fluctuating compressed air demand, the BOGE frequency controlled screw compressors works strictly in accordance with the compressed air demand by producing the exact volume of compressed air at the pressure required.

The volume flow is continually adjusted between 25 and 100 percent – correctly specified frequency controlled compressors should eliminate expensive idling times and even out air demand fluctuations. Energy costs can therefore be reduced considerably.

When a frequency controlled compressor is used alongside a fixed speed compressor additional advantages can be achieved. The flexible speed adaptation of the airend also allows for pressure adaptation. Changing the pressure value of the frequency compressor automatically synchronises the output quantity. A 13 bar machine can therefore be transformed into an 8 bar machine yielding a correspondingly higher

output – without any expensive remodelling or design related modifications. All pressures and intermediate pressures are available with the best possible outputs.

It takes little or no investment for a compressed air user to save as much as 30 percent of their compressed air related energy costs. Be sure to take advantage of BOGE's energy efficiency solutions to save energy costs. Examples:

Leak detection

A single 2 mm diameter leaking hole causes losses of 260 l/min – this equates to several thousand Euros a year of energy costs.

Comprehensive leak detection from BOGE will identify any leaks within your compressed air network.

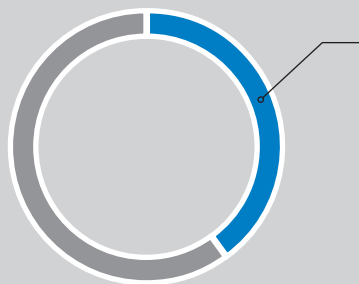
Heat recovery

Most of the energy used to generate compressed air is rejected in the form of heat. This heat can be recovered: e.g. for space heating or for the heating of domestic water. Up to 85 percent of the input electrical energy can be recovered: Our energy experts will be pleased to advise you!



AIRreport

Does your compressor station still meet your specific site requirements? Oversized or obsolete components can be the source of high energy costs. The AIRreport system helps to detect weak points within a compressed air system by monitoring compressed air generation, treatment and distribution over a set period of time (e.g. one week, two weeks or even a month): this tool will help you save energy!



Savings potential of up to 30 % is possible

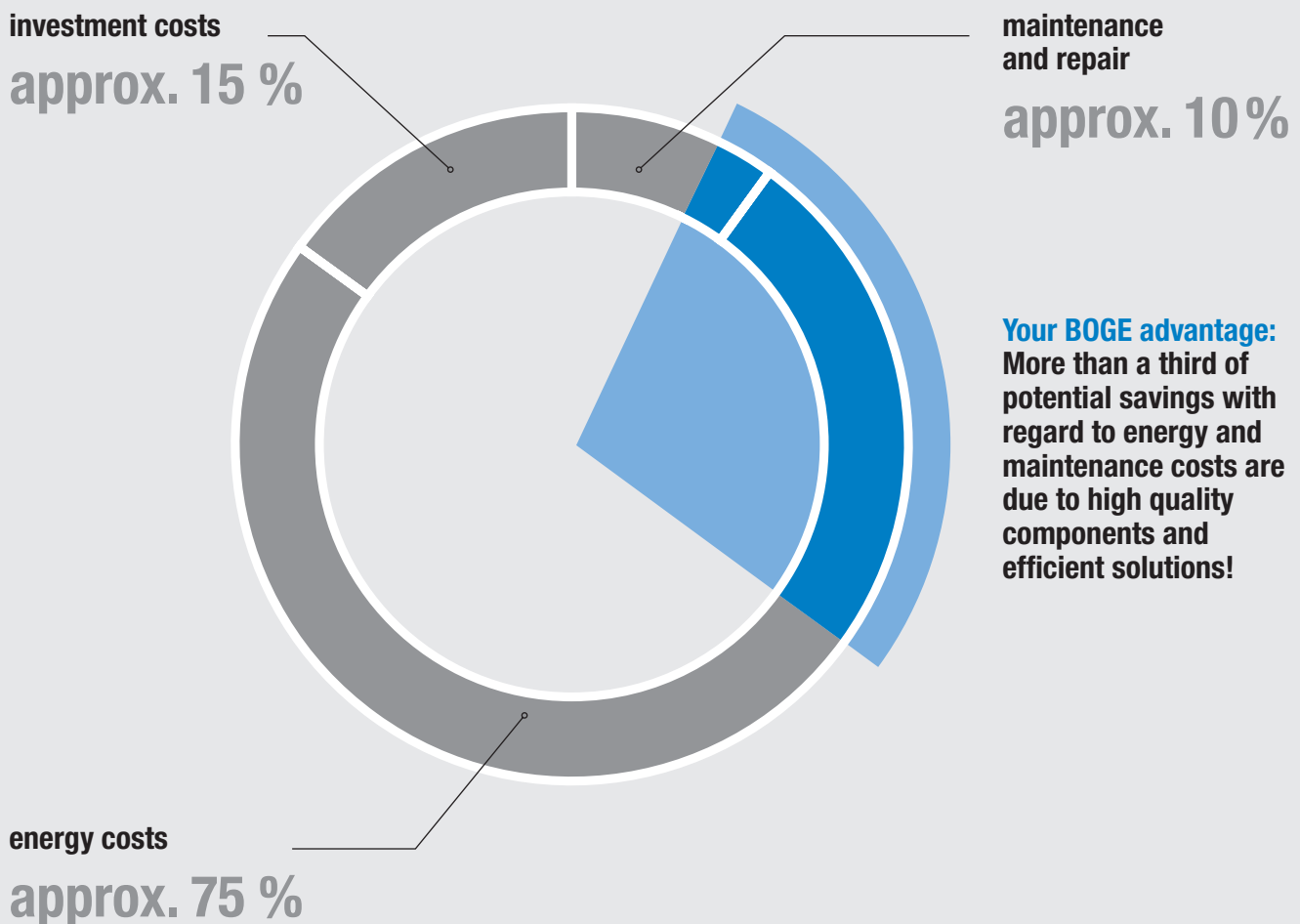
with a frequency controlled compressor:

- minimised idling time
- pressure reduction
- load cycles virtually eliminated.



The BOGE sign for efficient compressed air solutions: Wherever it is displayed, users can be assured of a particularly efficient BOGE solution helping to save a great deal of money!

Why don't our compressors cost less? Because our customers can't afford that.



QUALITY PAYS OFF

Purchase costs represent only a small portion of a compressors life cycle investment costs. Because BOGE compressors are designed to provide trouble-free and efficient operation for a long period of time, they are in many cases the most cost effective solution below the line. It is therefore not without good reason that users around the world increasingly rely on premium quality made by BOGE!

Industry and Trade deserve quality solutions: And, our customers have come to rely on BOGE for uncompromising quality and intelligent engineering “Made in Germany”. More than 100,000 compressed air users around the world know that such values pay off in the long run: because a reliable, efficient and durable supply of compressed air is paramount to the operation of their business.



German engineering

The use of high quality materials and a reduced number of wear parts makes the BOGE product as efficient and reliable as our demanding customers rightfully expect. The entire BOGE production process is subject to permanent quality control – from inspection of incoming material to final inspection and testing – with all positions closely monitored by experienced quality officers. And when it comes to product development, BOGE ranks among the first for German engineering: Repeatedly our innovations are considered as industry trendsetters and are often protected by Worldwide patents.



Strict guidelines

The prototypes of newly developed BOGE products are subjected to all kinds of practical tests. For example fatigue tests under extreme conditions are carried out to determine the product's readiness for the market prior to release for series production. No BOGE product leaves the Bielefeld facility without completing a personal final inspection protocol. This document has to be signed off by our employee.



Permanent optimisation

All BOGE products are subject to permanent quality audits and assessed according to the latest industry standards and practical experience – which translates into continuous improvement for the benefit of our customers. You are welcome to contact our energy efficiency experts for more details on how to realise additional savings potentials in your compressed air system. Use the BOGE AIRreport or carry out leak detection in order to save ready cash:

Please do not hesitate to contact us!



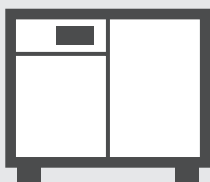
BOGE IE3 motors: the new premium class

The new EN 60034-30:2009 standard was recently introduced to harmonise motor efficiencies. This standard divides three-phase low voltage motors into three efficiency classes – IE1 (standard efficiency), IE2 (high efficiency) and **IE3 (premium efficiency)** – and regulates the various energy standards for motors across the world.

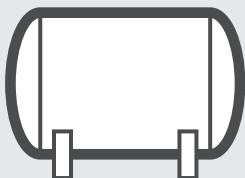
Although not mandatory until 2015 within the EU, **BOGE motors already meet the ultra high criteria of Class IE 3** – for maximum efficiency and an optimum service life.

Compressed air with a method:

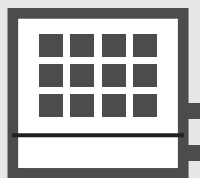
Modules of BOGE screw compressors.



Screw compressor



Compressed air receiver



Refrigerant dryer



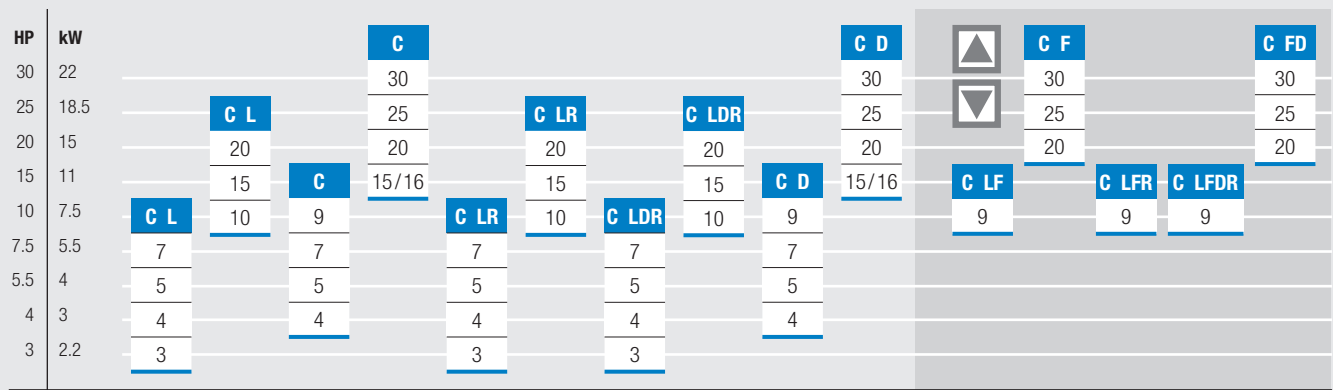
Frequency control

ADVANTAGES OF THE COMPACT MODULAR DESIGN:

- Flexible combination possibilities
- Unit completely ready for connection
- Minimum flow losses due to compact construction
- High-quality piping protects against leakages

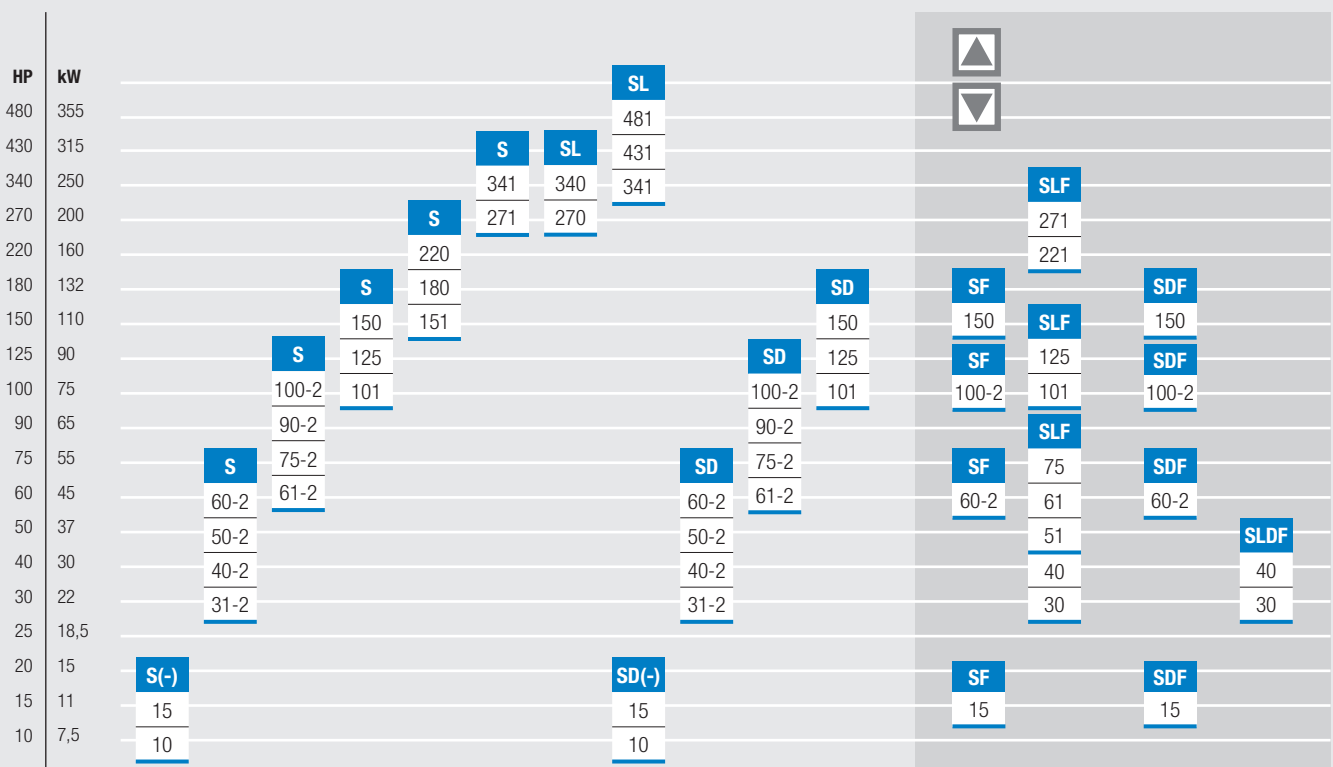
Modular design, compact system: Because of the modular design BOGE screw compressors allow for individual configuration of your compressed air system. Each compact module is pre-assembled and ready for use: for efficient and reliable operation in all types of applications.

PERFORMANCE OVERVIEW OF THE C-SERIES



frequency controlled

PERFORMANCE OVERVIEW OF THE S-SERIES



frequency controlled

The C-series up to 7.5 kW: Space saving and more energy efficient than ever!

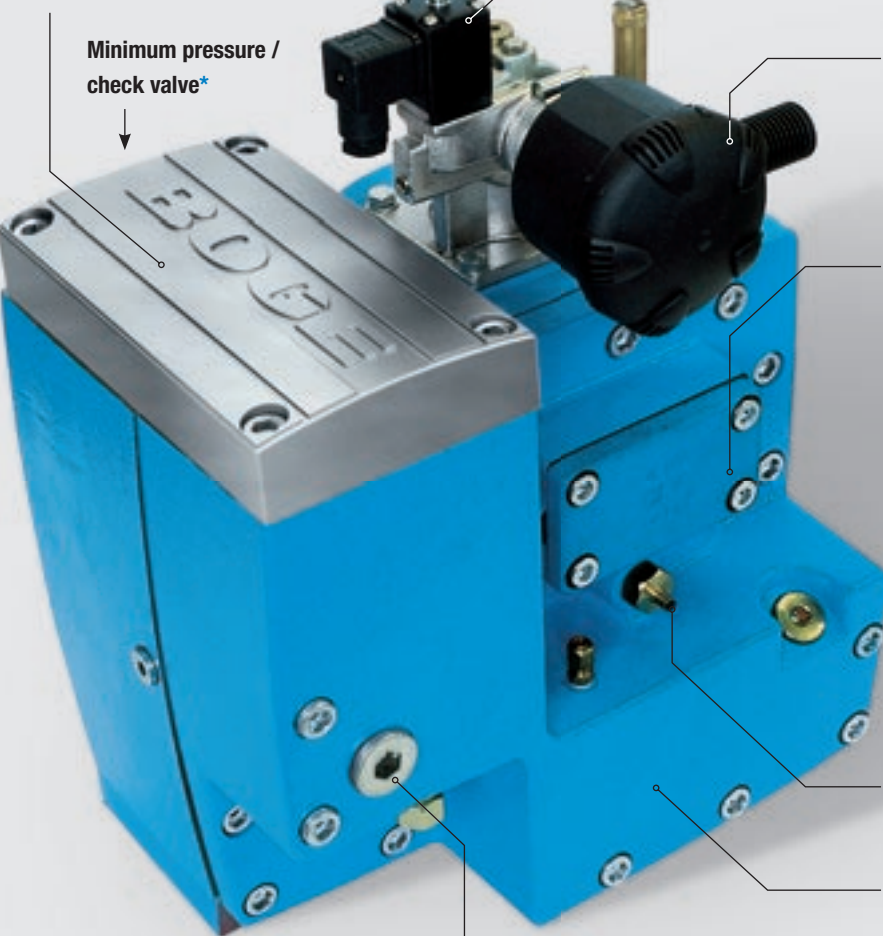
Design advantages.

THE CM COMPACT MODULE:

All necessary components are integrated into the airend block. Maintenance and wear parts are easily accessible – for maximum comfort and highest operational safety.

Integrated oil separating system

Both oil separating cartridge and oil filter cartridge are easily accessible: for maintenance purposes only the cover needs to be opened. The oil sump is located at the lowest point: for effective pre-separation according to the gravity principle.



Minimum pressure / check valve*

Multifunctional intake control with integrated solenoid valve for functionally reliable operation without leakages.

Silenced intake filter with paper filter cartridge

The filter separates 99.9 percent of all particles larger than 3 µm: assuring high quality compressed air right at its source.

BOGE airend with special BOGE profile and HD bearing

The specially designed airend is characterised by its high output and low energy consumption.



* **Minimum pressure / check valve**

Integrated design eliminates piping – for maximum leakage safety.

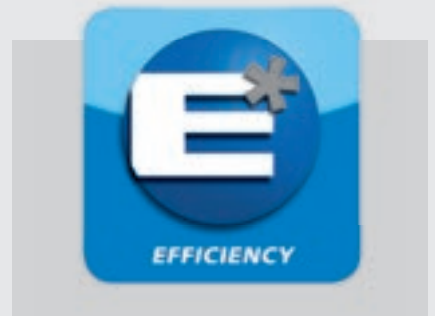
Temperature sensor

CNC machined cast iron housing

High quality machining eliminates the risk of leakage. The heavy cast iron housing also serves to reduce noise right at the source.

Thermo-static oil level regulation
Easily accessible from the outside.

Compact & highly efficient! The monoblock compact design of the airend range up to 7.5 kW offers distinct advantages. The integrated design minimises the number of oil pipes by clever internal routing – for a highly efficient and reliable compressor. At the same time the airend requires less space providing the user with a compact, space saving and energy efficient solution from BOGE!



COMPACT DESIGN

Integration of all essential components eliminates almost all interconnecting pipes. Leakages are virtually eliminated. Internal pressure losses are minimised.

EXTREMELY QUIET

Because of the sound adsorbing graphite casting the C-series is very quiet in operation and vibration free. No further silencing is required. The canopy versions C-series and C-series with dryer are therefore super-silent with low sound pressure values.

HIGHEST EFFICIENCY

The BOGE airend design ensures industry leading specific power ratios (Optimised output volumes at low energy consumption).



CONTROL

The compressor has BASIC control system with LC display and pressure transducer technology. FOCUS control is available as an option that offers additional monitoring and control features. FOCUS is also programmed to act as a changeover switch and can control up to three compressors.

OPTIONAL FREQUENCY CONTROL

The frequency converter flexibly controls the motor speed and therefore the airend. This ensures the compressor output automatically adjusts to the momentary demand. Soft starting via the frequency convertor also avoids undue wear and tear and prolongs the service life of the compressor.

OPTIONAL REFRIGERATION DRYER

The C-series can be equipped with a refrigeration dryer as an option – either top mounted on a compressed air receiver or horizontally mounted. No additional space is required for the generation of dry compressed air.

Screw compressor **C 3 L** to **C 7 L**

Compressed air system **C 3 LR** to **C 7 LR**

Compressed air centre **C 3 LD** to **C 7 LDR**

Effective free air delivery:

0.234 – 0.728 m³/min, 8 – 25 cfm

Pressure range: 10 and 13 bar, 150 and 190 psig

Motor range: 2.2 – 5.5 kW, 3 – 7.5 HP



Screw compressor **C L**

Compact screw compressor, direct coupled



Compressed air system **C LR**

Receiver mounted screw compressor,
direct coupled



Compressed air centre **C LDR**

Receiver mounted screw compressor
and refrigerant dryer, direct coupled



The depicted machines do not correspond to the most updated version of the receivers.

BOGE Model	Max. pressure		Effective free air delivery* 50 Hz		Effective free air delivery* 60 Hz		Motor power		Dimensions W x D x H mm	Weight kg
	bar	psig	m ³ /min	cfm	m ³ /min	cfm	kW	HP		
C 3 L	10	150	0.240	9	–	–	2.2	3.0	755 x 485 x 495	105
C 4 L	10	150	0.340	12	0.31	11	3.0	4.0	755 x 485 x 495	110
C 4 L	13	190	0.234	8	–	–	3.0	4.0	755 x 485 x 495	110
C 5 L	10	150	0.545	19	0.40	14	4.0	5.5	755 x 485 x 495	125
C 7 L	10	150	0.728	25	–	–	5.5	7.5	755 x 485 x 495	130
C 7 L	13	190	0.525	19	–	–	5.5	7.5	755 x 485 x 495	130

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 61 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure		Receiver volume Litres	Effective free air delivery* 50 Hz		Effective free air delivery* 60 Hz		Motor power		Receiver option Litres	Dimensions W x D x H mm	Weight kg
	bar	psig		m ³ /min	cfm	m ³ /min	cfm	kW	HP			
C 3 LR	10	150	90	0.240	9	–	–	2.2	3.0	270	1130 x 490 x 920	155
C 4 LR	10	150	90	0.340	12	0.31	11	3.0	4.0	270	1130 x 490 x 920	160
C 4 LR	13	190	90	0.234	8	–	–	3.0	4.0	270	1130 x 490 x 920	165
C 5 LR	10	150	90	0.545	19	0.40	14	4.0	5.5	270	1130 x 490 x 920	175
C 7 LR	10	150	90	0.728	25	–	–	5.5	7.5	270	1130 x 490 x 920	180
C 7 LR	13	190	90	0.525	19	–	–	5.5	7.5	270	1130 x 490 x 920	185

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 61 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure**		Receiver volume Litres	Effective free air delivery* 50 Hz		Effective free air delivery* 60 Hz		Motor power		Dimensions W x D x H mm	Weight kg
	bar	psig		m ³ /min	cfm	m ³ /min	cfm	kW	HP		
C 3 LDR	10	150	270	0.240	9	–	–	2.2	3.0	1700 x 590 x 1130	225
C 4 LDR	10	150	270	0.340	12	0.31	11	3.0	4.0	1700 x 590 x 1130	230
C 4 LDR	13	190	270	0.234	8	–	–	3.0	4.0	1700 x 590 x 1130	250
C 5 LDR	10	150	270	0.545	19	0.40	14	4.0	5.5	1700 x 590 x 1130	245
C 7 LDR	10	150	270	0.728	25	–	–	5.5	7.5	1700 x 590 x 1130	250
C 7 LDR	13	190	270	0.525	19	–	–	5.5	7.5	1700 x 590 x 1130	270

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 61 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor **C 4** to **C 9**

Compressed air station **C 4 D** to **C 9 D**



Effective free air delivery: 0.28 – 1.2 m³/min, 10 – 42 cfm

Pressure range: 8 – 13 bar, 115 – 190 psig

Motor range: 3 – 7,5 kW, 4 – 10 HP



C4 to C7



C9 and C4 D to C9 D



EFFICIENCY

EFFICIENCY

The specially designed BOGE airend provides high output volumes at low energy consumption – for reliable and efficient compressed air supply.



REFRIGERANT DRYER

As an option the compressor can be supplied with a horizontal refrigerant dryer. No additional footprint is required.



EXTREMELY QUIET

All C-series compressors are characterised by very low sound pressure levels due to their super-silenced cabinets.



CONTROL

BASIC control is the standard compressor controller with LC display and pressure sensor technology. The FOCUS control, offering additional monitoring and control options, is available as an optional extra.

Compact, efficient, very quiet: The space saving C-series screw compressors are designed for long-term performance. A refrigerant dryer mounted on a horizontal receiver is available as an option. Even at full load operation the compressor operates reliably and safely at optimum efficiency providing a long service life.

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP		
C 4	8	115	0.427	15	3.0	4.0	480 x 920 x 960	190
C 4	10	150	0.340	12	3.0	4.0	480 x 920 x 960	190
C 4	13	190	0.280	10	3.0	4.0	480 x 920 x 960	190
C 5	8	115	0.630	22	4.0	5.5	480 x 920 x 960	195
C 5	10	150	0.545	19	4.0	5.5	480 x 920 x 960	195
C 5	13	190	0.440	15	4.0	5.5	480 x 920 x 960	195
C 7	8	115	0.900	32	5.5	7.5	480 x 920 x 960	210
C 7	10	150	0.770	27	5.5	7.5	480 x 920 x 960	210
C 7	13	190	0.642	23	5.5	7.5	480 x 920 x 960	210
C 9	8	115	1.200	42	7.5	10.0	480 x 1000 x 1240	215
C 9	10	150	1.100	39	7.5	10.0	480 x 1000 x 1240	215
C 9	13	190	0.900	32	7.5	10.0	480 x 1000 x 1240	215
C 4 D	8	115	0.427	15	3.0	4.0	480 x 1000 x 1240	210
C 4 D	10	150	0.340	12	3.0	4.0	480 x 1000 x 1240	210
C 4 D	13	190	0.280	10	3.0	4.0	480 x 1000 x 1240	210
C 5 D	8	115	0.630	22	4.0	5.5	480 x 1000 x 1240	215
C 5 D	10	150	0.545	19	4.0	5.5	480 x 1000 x 1240	215
C 5 D	13	190	0.440	15	4.0	5.5	480 x 1000 x 1240	215
C 7 D	8	115	0.900	32	5.5	7.5	480 x 1000 x 1240	230
C 7 D	10	150	0.770	27	5.5	7.5	480 x 1000 x 1240	230
C 7 D	13	190	0.642	23	5.5	7.5	480 x 1000 x 1240	230
C 9 D	8	115	1.200	42	7.5	10.0	480 x 1000 x 1240	235
C 9 D	10	150	1.100	39	7.5	10.0	480 x 1000 x 1240	235
C 9 D	13	190	0.900	32	7.5	10.0	480 x 1000 x 1240	235

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 59 dB(A) according to DIN EN ISO 2151:2009.

** Max. pressure of the compressor

Screw compressor **C 9 LF** /
 Compressor system **C 9 LFR** /
 Compressed air centre **C 9 LFDR** / with frequency control



Effective free air delivery:
 0.24 – 1.27 m³/min, 8 – 45 cfm
 Pressure range: 8 – 13 bar, 115 – 190 psig
 Motor range: 7,5 kW, 10 HP



C 9 LF (super-silenced as option)



C 9 LFR (super-silenced as option)

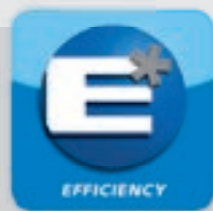


C 9 LFDR



FREQUENCY CONTROL

The frequency converter flexibly controls the motor speed and therefore the air end this ensures the compressor output automatically adjusts to the momentary demand.



MAXIMUM EFFICIENCY

The air end operates at the necessary speed to generate as much compressed air as is required. Expensive idling as well as load/no load cycles are thus eliminated. At the same time, a tighter pressure band can be maintained, also helping to save energy.



REFRIGERANT DRYER

The direct coupled, frequency controlled C-series is equipped with a refrigerant dryer. This enables users to generate dry air without any additional space requirements.



CONTROL

The compressor is controlled via the BOGE BASIC control with LC display and pressure sensor technology. The BOGE FOCUS control is available as an optional extra, offering further monitoring and control possibilities.



The ideal operating mode: In conjunction with the frequency controlled drive the directly coupled screw compressors of this series provide an extremely flexible system which spontaneously adapts to any changes in the customer's compressed air or pressure demands. In the event of a change of the pressure value, the output quantity is synchronised automatically. A 13 bar machine is thus transformed into an 8 bar machine yielding a correspondingly higher output – without any expensive remodelling or design related modifications.

BOGE Model	Max. pressure**		Receiver volume Litres	Effective free air delivery*		Motor power		Dimensions silenced W x D x H mm	Dimensions super-silenced W x D x H mm	Compressed air outlet	Weight silenced kg	Weight super-silenced. kg
	bar	psig		m ³ /min	cfm	kW	HP					
C 9 LF	8	115	–	0.26-1.27	9-45	7.5	10	1020 x 532 x 723	1020 x 532 x 796	G 1/2	200	208
C 9 LF	10	150	–	0.25-1.12	9-40	7.5	10	1020 x 532 x 723	1020 x 532 x 796	G 1/2	200	208
C 9 LF	13	190	–	0.24-0.93	8-33	7.5	10	1020 x 532 x 723	1020 x 532 x 796	G 1/2	200	208
C 9 LFR	8	115	270	0.26-1.27	9-45	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	315	323
C 9 LFR	10	150	270	0.25-1.12	9-40	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	315	323
C 9 LFR	13	190	250	0.24-0.93	8-33	7.5	10	1620 x 633 x 1270	1620 x 633 x 1343	G 1/2	310	318
C 9 LFDR	8	115	270	0.26-1.27	9-45	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	362	370
C 9 LFDR	10	150	270	0.25-1.12	9-40	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	362	370
C 9 LFDR	13	190	250	0.24-0.93	8-33	7.5	10	1620 x 633 x 1270	1620 x 633 x 1343	G 1/2	357	365

* Free air delivery figures in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 72 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor
Ask for further receiver dimensions.

The C-series up to 22 kW: This is the way compressors are made today!

Design advantages.

Multifunctional intake control with integrated solenoid valve for functionally reliable operation without leakages.

Integrated airend with special BOGE profile and HD bearing

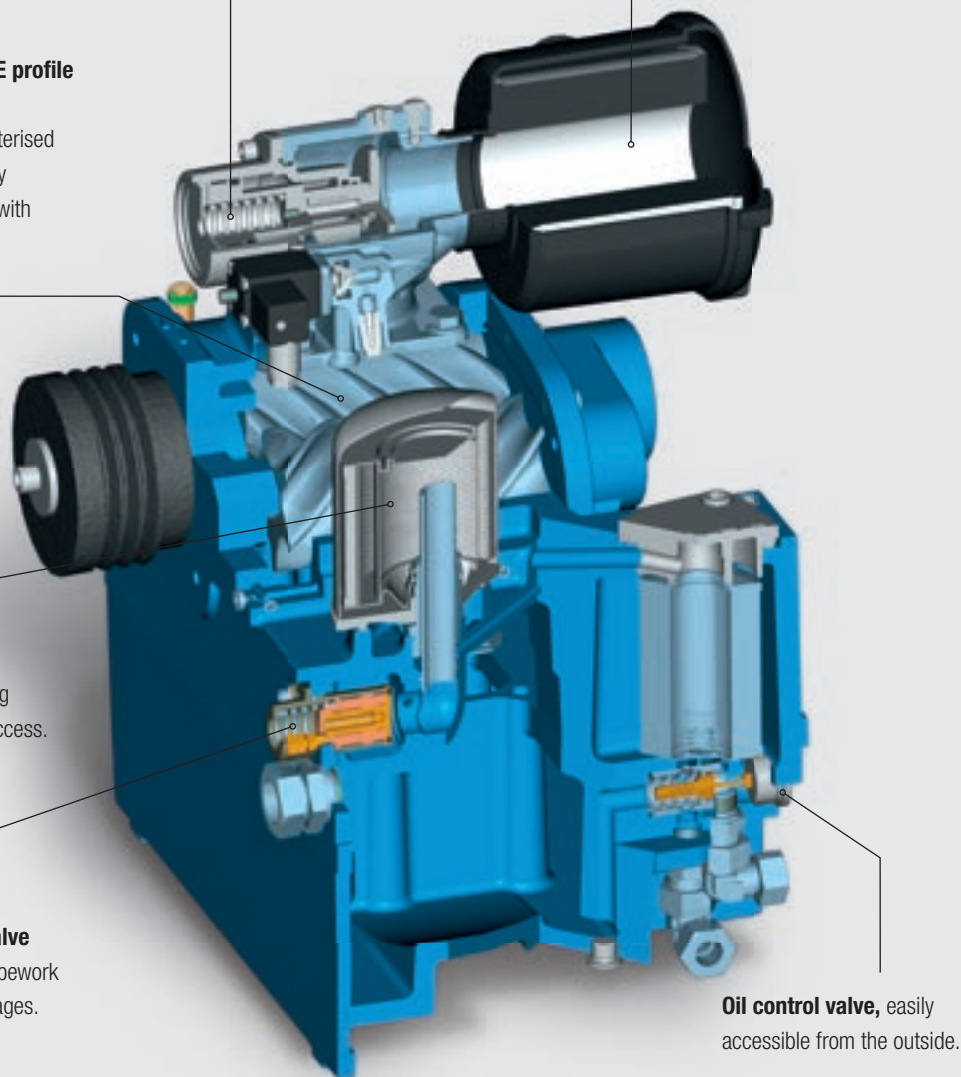
The specially designed airend is characterised by its high free air delivery at low energy consumption. Motor sizes up to 22 kW with free air delivery up to 3,62 m³/min.

Effective **oil pre-separation** harnessing to the laws of gravity. Service friendly access.

Minimum pressure valve / check valve
Integrated design serves to eliminate pipework – virtually eliminates the risk of oil leakages.

Silenced paper cartridge intake filter

This filter separates 99.9 percent of all particles larger than 3 µm: for high quality compressed air at its source.



Oil control valve, easily accessible from the outside.

The state-of-the-art compressor: Extremely quiet, compact & efficient – the „large“ BOGE C-series has set industry standard in specific power and sound pressure values. The BOGE compact module enables short distances and less pipelines – for a highly efficient and reliable compressor solution. Depending on your requirements, the C-series up to 22 kW can be equipped with refrigerant dryer, frequency control or heat recovery: This is the way compressors are made today!



INTEGRATED DESIGN

The integration of all essential components in the compact module serves to eliminate pipework and to reduce flow losses: for maximum operating dependability and efficiency!

COMPACT EFFICIENCY

The BOGE C-series is engineered to generate high free air deliveries in continuous operation and in an incomparably efficient manner. Due to its compact design space requirements are kept to a minimum: an installation surface of less than 1 square metre is sufficient.

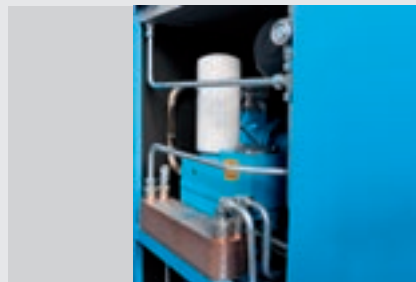
CONTROL

BASIC control with LC display and pressure sensor technology is fitted standard. FOCUS control is available as an option and includes an integrated energy efficiency display as well as additional monitoring and control options. FOCUS software now includes a three compressor changeover system.



OPTIONAL REFRIGERANT DRYER

The C-series can be supplied with an integrated dryer or mounted on top of a horizontal air receiver.



OPTIONAL HEAT RECOVERY

A heat recovery system can be added as an option. Up to 94 percent of the input electrical energy is dissipated through the cooling medium (air or water) and can be recovered for space heating or pre-heating domestic water.



OPTIONAL FREQUENCY CONTROL

The frequency controlled option ensures a continuous volume flow between 25 and 100 percent. This ensures adaptation to the momentary demand of the compressed air system. Soft starting also avoids undue wear and tear and prolongs the service life of the compressor.

Screw compressor **C 10 L** to **C 20 L**

Compressed air system **C 10 LR** to **C 20 LR**

Compressed air centre **C 10 LDR** to **C 20 LDR**

Effective free air delivery:

1.060 – 2.280 m³/min, 37 – 80 cfm

Pressure range: 8 and 10 bar, 115 and 150 psig

Motor range: 7.5 – 15 kW, 10 – 20 HP



Screw compressor **C L**

Compact screw compressor, directly coupled



Screw compressor **C L** with noise silencer option

Screw compressor with mounted noise silencer



Compressed air system **C LR**

Receiver mounted screw compressor,
direct coupled



Compressed air centre **C LDR**

Receiver mounted screw compressor
and refrigerant dryer, direct coupled



A class of its own: The directly coupled screw compressors of the C-series are space saving and extremely efficient at the same time. They are available with horizontal receiver and/or top mounted refrigeration dryer and can flexibly be adapted to suit particular application requirements.

BOGE Model	Max. pressure		Effective free air delivery* 50 Hz		Effective free air delivery* 60 Hz		Motor power		Dimensions B x T x H mm	Weight kg
	bar	psig	m ³ /min	cfm	m ³ /min	cfm	kW	HP		
C 10 L	8	115	1,100	38	1,07	37	7,5	10,0	1171 x 599 x 595	260
C 10 L	10	150	1,060	37	1,03	36	7,5	10,0	1171 x 599 x 595	260
C 15 L	8	115	1,770	62	–	–	11,0	15,0	1333 x 599 x 606	290
C 15 L	10	150	1,700	60	–	–	11,0	15,0	1333 x 599 x 606	290
C 20 L	8	115	2,280	80	2,21	78	15,0	20,0	1333 x 599 x 606	300
C 20 L	10	150	2,240	79	2,17	76	15,0	20,0	1333 x 599 x 606	300

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 68 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure		Receiver volume Litres	Effective free air delivery* 50 Hz		Effective free air delivery* 60 Hz		Motor power		Receiver option Litres	Dimensions B x T x H mm	Weight kg
	bar	psig		m ³ /min	cfm	m ³ /min	cfm	kW	HP			
C 10 LR	8	115	350	1.100	38	1.07	37	7.5	10.0	500	1729 x 620 x 1229	370
C 10 LR	10	150	350	1.060	37	1.03	36	7.5	10.0	500	1730 x 620 x 1229	370
C 15 LR	8	115	350	1.770	62	–	–	11.0	15.0	500	1731 x 620 x 1229	410
C 15 LR	10	150	350	1.700	60	–	–	11.0	15.0	500	1732 x 620 x 1229	410
C 20 LR	8	115	350	2.280	80	2.21	78	15.0	20.0	500	1733 x 620 x 1229	430
C 20 LR	10	150	350	2.240	79	2.17	76	15.0	20.0	500	1734 x 620 x 1229	430

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 68 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure**		Receiver volume Litres	Effective free air delivery* 50 Hz		Effective free air delivery* 60 Hz		Motor power		Dimensions B x T x H mm	Weight kg
	bar	psig		m ³ /min	cfm	m ³ /min	cfm	kW	HP		
C 10 LDR	8	115	350	1.100	38	1.07	37	7.5	10.0	1814 x 620 x 1282	400
C 10 LDR	10	150	350	1.060	37	1.03	36	7.5	10.0	1815 x 620 x 1282	400
C 15 LDR	8	115	350	1.770	62	–	–	11.0	15.0	1813 x 620 x 1282	440
C 15 LDR	10	150	350	1.700	60	–	–	11.0	15.0	1814 x 620 x 1282	440
C 20 LDR	8	115	350	2.280	80	2.21	78	15.0	20.0	1813 x 620 x 1282	460
C 20 LDR	10	150	350	2.240	79	2.17	76	15.0	20.0	1814 x 620 x 1282	460

* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 68 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor **C 15** to **C 30**

Compressed air station **C 15 D** to **C 30 D**



Effective free air delivery:

1.33 – 3.62 m³/min, 47 – 127 cfm

Pressure range: 8 to 13 bar, 115 to 190 psig

Motor range: 11 – 22 kW, 15 – 30 HP



EFFICIENCY

MAXIMUM EFFICIENCY

The BOGE C-series up to 22 kW is characterised by its industry leading specific power ratios. You rarely come across such compact screw compressor efficiency.



EXTREMELY QUIET

All C-series compressors feature very low sound pressure levels.



REFRIGERANT DRYERS

The C-series screw compressors can include an integrated refrigerant dryer for high quality compressed air. No additional footprint is required.



CONTROL

The compressor is controlled by the BASIC control system with LC display and pressure sensor technology. The FOCUS control system is available as an option.

Real winners: The belt driven C-series models up to 22 kW are highly efficient and extremely quiet in operation requiring only a minimum footprint. The footprint is even kept to a minimum with the C D-series which includes an integrated refrigerant dryer. An integrated design means short distances and extremely low pressure losses. As well as generating industry leading outputs, the C-series is also very energy efficient.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Compressed air outlet	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP			
C 15	8	115	1.74	61	11.0	15	772 x 1056 x 1555	G 1	398
C 15	10	150	1.53	54	11.0	15	772 x 1056 x 1555	G 1	398
C 15	13	190	1.33	22	11.0	15	772 x 1056 x 1555	G 1	398
C 16	8	115	1.89	66	11.0	15	772 x 1056 x 1735	G 1	432
C 16	10	150	1.63	57	11.0	15	772 x 1056 x 1735	G 1	432
C 16	13	190	1.35	47	11.0	15	772 x 1056 x 1735	G 1	432
C 20	8	115	2.55	90	15.0	20	772 x 1056 x 1735	G 1	438
C 20	10	150	2.25	79	15.0	20	772 x 1056 x 1735	G 1	438
C 20	13	190	1.89	66	15.0	20	772 x 1056 x 1735	G 1	438
C 25	8	115	3.10	109	18.5	25	772 x 1056 x 1735	G 1	499
C 25	10	150	2.71	95	18.5	25	772 x 1056 x 1735	G 1	499
C 25	13	190	2.32	81	18.5	25	772 x 1056 x 1735	G 1	499
C 30	8	115	3.62	127	22.0	30	772 x 1056 x 1735	G 1	461
C 30	10	150	3.21	113	22.0	30	772 x 1056 x 1735	G 1	461
C 30	13	190	2.71	95	22.0	30	772 x 1056 x 1735	G 1	461

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 63 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Compressed air outlet	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP			
C 15 D	8	115	1.74	61	11.0	15	1072 x 1056 x 1555	G 1	498
C 15 D	10	150	1.53	54	11.0	15	1072 x 1056 x 1555	G 1	498
C 15 D	13	190	1.33	22	11.0	15	1072 x 1056 x 1555	G 1	498
C 16 D	8	115	1.89	66	11.0	15	1072 x 1056 x 1735	G 1	532
C 16 D	10	150	1.63	57	11.0	15	1072 x 1056 x 1735	G 1	532
C 16 D	13	190	1.35	47	11.0	15	1072 x 1056 x 1735	G 1	532
C 20 D	8	115	2.55	90	15.0	20	1072 x 1056 x 1735	G 1	538
C 20 D	10	150	2.25	79	15.0	20	1072 x 1056 x 1735	G 1	538
C 20 D	13	190	1.89	66	15.0	20	1072 x 1056 x 1735	G 1	538
C 25 D	8	115	3.10	109	18.5	25	1072 x 1056 x 1735	G 1	599
C 25 D	10	150	2.71	95	18.5	25	1072 x 1056 x 1735	G 1	599
C 25 D	13	190	2.32	81	18.5	25	1072 x 1056 x 1735	G 1	599
C 30 D	8	115	3.62	127	22.0	30	1072 x 1056 x 1735	G 1	561
C 30 D	10	150	3.21	113	22.0	30	1072 x 1056 x 1735	G 1	561
C 30 D	13	190	2.71	95	22.0	30	1072 x 1056 x 1735	G 1	561

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 63 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor **C 20 F** to **C 30 F** Compressed air station **C 20 FD** to **C 30 FD** with frequency control



Effective free air delivery:
0.47 – 3.62 m³/min, 17 – 127 cfm
Pressure range: 8 to 13 bar, 115 to 190 psig
Motor range: 15 – 22 kW, 20 – 30 HP



MAXIMUM EFFICIENCY

The BOGE C-series up to 22 kW is characterised by its industry leading specific power ratios – for efficient compressed air supply.



FREQUENCY CONTROL

The optional frequency converter ensures a continuous volume flow between 25 and 100 percent. This allows adaptation to the momentary demand of the compressed air system. Soft starting also avoids undue wear and tear and prolongs the service life of the compressor.



REFRIGERANT DRYER

The C-series with frequency control include an integrated refrigerant dryer for extremely high compressed air quality.



CONTROL

The compressor is controlled by the FOCUS control system which includes an integrated efficiency display as well as additional monitoring and control options. FOCUS is programmed as a changeover switch and can control up to three machines.

This is as efficient as it gets: With these frequency controlled belt driven compressors you can rest assure that lower compressed air demand translates into reduced energy consumption with the frequency inverter continuously adjusting the volume flow to the actual demand. This leads to minimised idling times and pressure fluctuations. Soft starting also avoids undue wear and tear and prolongs the service life of the compressor.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Compressed air outlet	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP			
C 20 F	8	115	0.49-2.55	23-90	15.0	20	772 x 1056 x 1735	G 1	448
C 20 F	10	150	0.45-2.25	20-79	15.0	20	772 x 1056 x 1735	G 1	448
C 20 F	13	190	0.54-1.89	17-66	15.0	20	772 x 1056 x 1735	G 1	448
C 25 F	8	115	0.65-3.10	27-109	18.5	25	772 x 1056 x 1735	G 1	509
C 25 F	10	150	0.61-2.71	24-95	18.5	25	772 x 1056 x 1735	G 1	509
C 25 F	13	190	0.45-2.32	20-81	18.5	25	772 x 1056 x 1735	G 1	509
C 30 F	8	115	0.80-3.62	32-127	22.0	30	772 x 1056 x 1735	G 1	471
C 30 F	10	150	0.69-3.21	28-113	22.0	30	772 x 1056 x 1735	G 1	471
C 30 F	13	190	0.55-2.71	24-95	22.0	30	772 x 1056 x 1735	G 1	471

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 63 dB(A) according to DIN EN ISO 2151:2009).

BOGE Model	Max. pressure		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Compressed air outlet	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP			
C 20 FD	8	115	0.49-2.55	23-90	15.0	20	1072 x 1056 x 1735	G 1	548
C 20 FD	10	150	0.45-2.25	20-79	15.0	20	1072 x 1056 x 1735	G 1	548
C 20 FD	13	190	0.54-1.89	17-66	15.0	20	1072 x 1056 x 1735	G 1	548
C 25 FD	8	115	0.65-3.10	27-109	18.5	25	1072 x 1056 x 1735	G 1	609
C 25 FD	10	150	0.61-2.71	24-95	18.5	25	1072 x 1056 x 1735	G 1	609
C 25 FD	13	190	0.45-2.32	20-81	18.5	25	1072 x 1056 x 1735	G 1	609
C 30 FD	8	115	0.80-3.62	32-127	22.0	30	1072 x 1056 x 1735	G 1	571
C 30 FD	10	150	0.69-3.21	28-113	22.0	30	1072 x 1056 x 1735	G 1	571
C 30 FD	13	190	0.55-2.71	24-95	22.0	30	1072 x 1056 x 1735	G 1	571

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 63 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

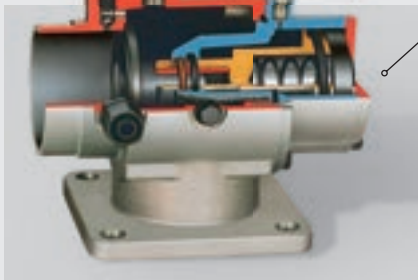
The S-series: Powerful in every detail.

Design advantages.



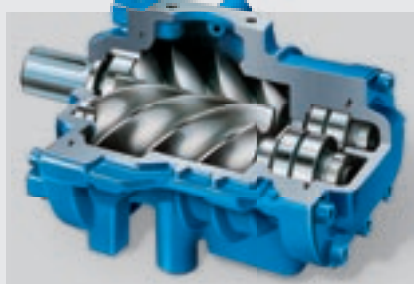
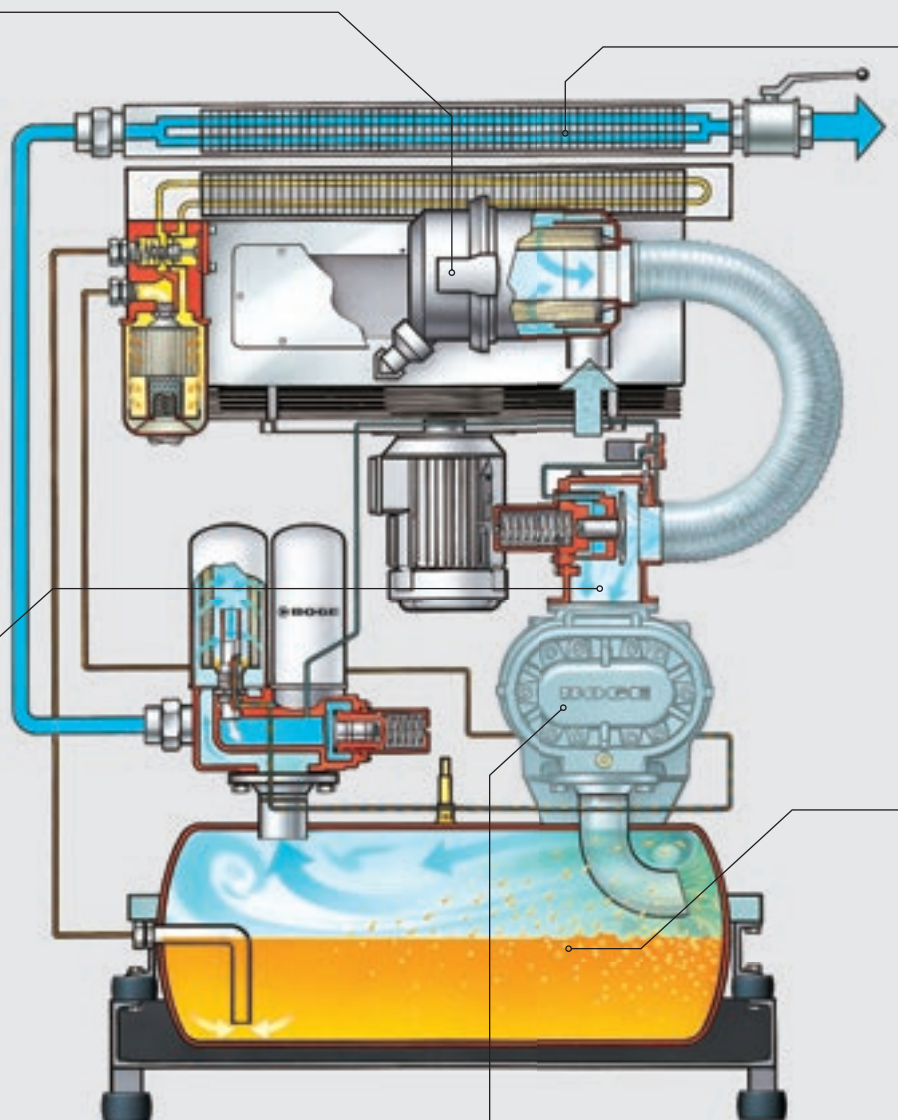
INTAKE FILTER WITH PAPER MICROFILTER INSERT

quietly intakes air from the cool section of the cooling air flow whilst at the same time intensively cleans it to ensure the longest possible service life of all downstream components. The compressor operates trouble-free even in dusty conditions.



MULTIFUNCTIONAL INTAKE CONTROL

ensures a valve-less oil circuit without oil stop or check valve and the lowest possible internal pressure losses. It hermetically seals to prevent discharge of oil vapours. A fully unloaded start helps to save energy. The Multifunction control is intrinsically safe in operation and in the event of shutdown fails safe.



AIREND WITH ELECTRIC MOTOR

The airend is driven by a class F, IP55 standard motor which is located in the coolest section of the compressor. BOGE motors have genuine power reserves and are therefore not overloaded.

Intelligent design advantage: The award winning BOGE S-series design incorporates a clever cabinet layout with a high quality finish and maximum efficiency. Every component part incorporates the decade long know-how of our engineers – advantages paid back through reliable daily operation.



COOLER SECTION

The self-sufficient section, where the highest cooling air temperatures occur, is located at the top of the compressor in the cooling air discharge and houses a generously dimensioned aftercooler with separate cooling air fan and cooling air guiding hood. The cooling air either discharges to the atmosphere or ideally, as heat recovery, to supplement space heating via ducting.



EASY MAINTENANCE

All maintenance parts are easily accessible from one side of the compressor. This reduces maintenance costs to a minimum.



INTERNAL PIPEWORK

All oil carrying pipes are made of steel terminating with high quality precision threaded joints that are leak proof and safe even under highest pressures. The entire machine utilises only one hose on the clean air side which also serves for vibration damping.



BOGE SAFETY OIL SEPARATION SYSTEM

Includes horizontal oil separation reservoir, directly mounted airend and external oil separator cartridge. This innovative system ensures oil separation with virtually no pressure losses and a residual oil content of only 1-3 mg/m³ in every operating phase. The external oil separator cartridge is minimally loaded: a guarantee for long service life.



INTEGRATED SWITCH CABINET

The switch cabinet is integrated into the screw compressor housing. It is fully pre-wired and ready for use. The cabinet also houses a quick fit modular microprocessor compressor controller.



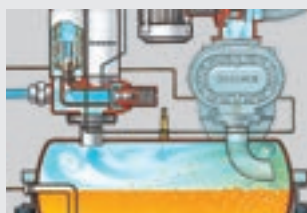
OPTIONAL WATER COOLING

The larger high volume BOGE screw compressors are available cooled.

Screw compressor S 10 to S 15

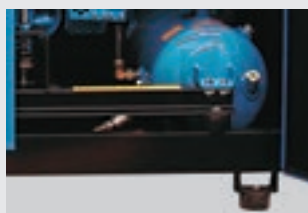


Effective free air delivery: 0.91 – 1.65 m³/min, 32 – 58 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 7.5 – 11 kW, 10 – 15 HP



VALVE-LESS OIL CIRCUIT

The BOGE screw compressor is designed with a valve-less oil circuit eliminating the need for oil stop or check valves. This function provides maximum operating safety.



DECOUPLED UNIT

A sub-frame mounted on vibration damping feet prevents transmission of structure borne sound. A rigid basic frame allows easy transportation by lift truck or stacker truck.



HORIZONTAL OIL RESERVOIR

For long service life and high compressed air quality! The oil separation reservoir tank is located in the lowest section of the machine and here rapid oil pre-separation takes place before the compressed air enters the external oil separator cartridge.



Control

The compressor is controlled via the BOGE BASIC control with LC display and pressure sensor technology. The BOGE FOCUS control is available as an optional extra, offering further monitoring and control possibilities.

Dependable output: BOGE S-series screw compressors are designed for flexible and reliable operation in every situation. These industrial compressors can be tank mounted with or without a dryer. The high quality workmanship and efficient compact design stand for high operating safety and maximum efficiency.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power		Dimensions super-silenced	Dimensions ultra-silenced	Weight super-silenced.	Weight ultra-silenced.
	bar	psig	m ³ /min	cfm	kW	HP	W x D x H mm	W x D x H mm	kg	kg
S 10	8	115	1.18	42	7.5	10	940 x 700 x 970	940 x 700 x 1200	220	235
	10	150	1.06	39	7.5	10	940 x 700 x 970	940 x 700 x 1200	220	235
	13	190	0.91	32	7.5	10	940 x 700 x 970	940 x 700 x 1200	220	235
S 15	8	115	1.65	58	11.0	15	940 x 700 x 970	940 x 700 x 1200	220	235
	10	150	1.45	51	11.0	15	940 x 700 x 970	940 x 700 x 1200	220	235
	13	190	1.25	44	11.0	15	940 x 700 x 970	940 x 700 x 1200	220	235

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 66 dB(A) according to DIN EN ISO 2151:2009

Compressor system **S 10-** to **S 15-** Duplex system **S 10-...D** to **S 15-...D**

Effective free air delivery: 0.91 – 1.65 m³/min, 32 – 58 cfm

Pressure range: 8 – 13 bar, 115 – 190 psig

Motor range: 7.5 – 11 kW, 10 – 15 HP



Compressor system **S-**

Screw compressor
mounted on horizontal receiver



Duplex system **S-...D**

2 screw compressors
mounted on horizontal receiver



BOGE Model	Receiver volume Litres	Max. pressure		Effective free air delivery*		Motor power		Receiver options Litres
		bar	psig	m ³ /min	cfm	kW	HP	
S 10-	270	8	115	1.18	42	7.5	10	350. 500. 750
		10	150	1.06	39	7.5	10	350. 500. 750
S 10-	250	13	190	0.91	32	7.5	10	350. 500. 750
S 15-	350	8	115	1.65	58	11.0	15	500. 750
		10	150	1.45	51	11.0	15	500. 750
		13	190	1.25	44	11.0	15	500. 750

BOGE Model	Dimensions W x D x H mm	Weight kg
S 10- to S 15-		
super-silenced from	1650 x 790 x 1520	325
to	2000 x 935 x 1760	470
ultra-silenced from	1650 x 790 x 1750	340
to	2000 x 935 x 1990	485

BOGE Model	Receiver volume Litres	Max. pressure		Effective free air delivery*		Motor power	
		bar	psig	m ³ /min	cfm	kW	HP
S 10-...D	750	8	115	2 x 1.18	2 x 42	2 x 7.5	2 x 10
		10	150	2 x 1.06	2 x 39	2 x 7.5	2 x 10
		13	190	2 x 0.91	2 x 32	2 x 7.5	2 x 10
S 15-...D	750	8	115	2 x 1.65	2 x 58	2 x 11.0	2 x 15
		10	150	2 x 1.45	2 x 51	2 x 11.0	2 x 15
		13	190	2 x 1.25	2 x 44	2 x 11.0	2 x 15

BOGE Model	Dimensions W x D x H mm	Weight kg
S 10-...D to S 15-...D		
super-silenced from	2220 x 820 x 1750	325
to	2220 x 820 x 1750	470
ultra-silenced from	1650 x 790 x 1750	340
to	1650 x 790 x 1750	485

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 66 dB(A) according to DIN EN ISO 2151:2009

Compressed air station **SD 10** to **SD 15**

Compressed air centre **SD 10-** to **SD 15-**

Effective free air delivery: 0.91 – 1.65 m³/min, 32 – 58 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 7.5 – 11 kW, 10 – 15 HP



Compressed air station **SD**

Screw compressor
with integral refrigerant dryer



Compressed air centre **SD-**

Screw compressor
with refrigerant dryer
mounted on horizontal receiver



BOGE Model	Max. pressure**		Effective free air delivery*		Motor power	
	bar	psig	m ³ /min	cfm	kW	HP
SD 10	8	115	1.18	42	7.5	10
	10	150	1.06	39	7.5	10
	13	190	0.91	32	7.5	10
SD 15	8	115	1.65	58	11.0	15
	10	150	1.45	51	11.0	15
	13	190	1.25	44	11.0	15

BOGE Model	Dimensions W x D x H mm	Weight kg
SD 10 to SD 15		
super-silenced	975 x 700 x 1265	260
ultra-silenced	975 x 700 x 1495	275

BOGE Model	Receiver volume Litres	Max. pressure**		Effective free air delivery*		Motor power		Receiver options Litres
		bar	psig	m ³ /min	cfm	kW	HP	
SD 10-	350	8	115	1.18	42	7.5	10	500.750
		10	150	1.06	39	7.5	10	500.750
		13	190	0.91	32	7.5	10	500.750
SD 15-	350	8	115	1.65	58	11.0	15	500.750
		10	150	1.45	51	11.0	15	500.750
		13	190	1.25	44	11.0	15	500.750

BOGE Model	Dimensions W x D x H mm	Weight kg
SD 10- to SD 15-		
super-silenced from	1650 x 790 x 1550	400
to	2000 x 935 x 1760	520
ultra-silenced from	1650 x 790 x 1750	415
to	2000 x 935 x 1990	535

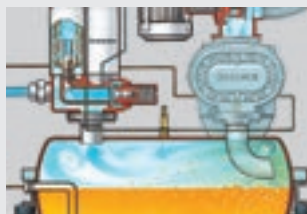
* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 66 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor S 31-2 to S 341

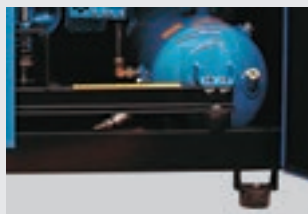


Effective free air delivery: 2.67 – 40.8 m³/min, 94 – 1441 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 22 – 250 kW, 30 – 340 HP



VALVE-LESS OIL CIRCUIT

The BOGE screw compressor is designed with a valve-less oil circuit eliminating the need for oil stop or check valves. This function provides maximum operating safety.



DECOUPLED UNIT

A sub-frame mounted on vibration damping feet prevents transmission of structure borne sound. A rigid basic frame allows easy transportation by lift truck or stacker truck.



EFFICIENCY

The specially designed BOGE airend provides high output volumes at low energy consumption – for reliable and energy efficient compressed air supply.



CONTROL

The BOGE FOCUS control is the standard compressor control and provides numerous control and monitoring features.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power				Dimensions ¹⁾ silenced W x D x H mm	Dimensions ²⁾ super-silenced W x D x H mm	Com-pressed air outlet	Weight silenced kg	Weight super-silenced kg
	bar	psig	m³/min	cfm	Main drive motor		Fan motor						
					kW	HP	kW	HP					
S 31-2	8	115	3.88	137	22	30	0.55	0.75	1620x 960x1450	1620x 960x1950	G 1 1/4	740	770
S 31-2	10	150	3.30	117	22	30	0.55	0.75	1620x 960x1450	1620x 960x1950	G 1 1/4	740	770
S 31-2	13	190	2.67	94	22	30	0.55	0.75	1620x 960x1450	1620x 960x1950	G 1 1/4	740	770
S 40-2	8	115	5.17	183	30	40	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	740	770
S 40-2	10	150	4.63	164	30	40	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	740	770
S 40-2	13	190	3.82	135	30	40	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	740	770
S 50-2	8	115	6.35	225	37	50	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	760	790
S 50-2	10	150	5.78	204	37	50	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	760	790
S 50-2	13	190	4.95	175	37	50	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	760	790
S 60-2	8	115	7.00	247	45	60	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	840	870
S 60-2	10	150	6.34	224	45	60	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	840	870
S 60-2	13	190	5.36	190	45	60	1.10	1.50	1620x 960x1450	1620x 960x1950	G 1 1/4	840	870
S 61-2	8	115	7.70	272	45	60	1.50	2.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1100	1150
S 61-2	10	150	6.92	244	45	60	1.50	2.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1100	1150
S 61-2	13	190	5.87	207	45	60	1.50	2.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1100	1150
S 75-2	8	115	9.33	329	55	75	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1180	1230
S 75-2	10	150	8.30	293	55	75	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1180	1230
S 75-2	13	190	7.11	251	55	75	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1180	1230
S 90-2	8	115	10.80	381	65	90	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1250	1300
S 90-2	10	150	9.65	341	65	90	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1250	1300
S 90-2	13	190	8.45	298	65	90	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1250	1300
S 100-2	8	115	12.10	428	75	100	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1140	1190
S 100-2	10	150	10.50	371	75	100	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1140	1190
S 100-2	13	190	9.20	325	75	100	2.20	3.00	2000x1065x1450	2000x1065x1950	G 1 1/2	1140	1190
S 101	8	115	13.10	465	75	100	2.20	3.00	2365x1335x1750	2365x1335x2250	G 2 1/2	1960	2020
S 101	10	150	11.40	405	75	100	2.20	3.00	2365x1335x1750	2365x1335x2250	G 2 1/2	1960	2020
S 101	13	190	9.80	350	75	100	2.20	3.00	2365x1335x1750	2365x1335x2250	G 2 1/2	1960	2020
S 125	8	115	15.70	555	90	125	4.00	5.50	2365x1335x1750	2365x1335x2250	G 2 1/2	1980	2040
S 125	10	150	13.70	485	90	125	4.00	5.50	2365x1335x1750	2365x1335x2250	G 2 1/2	1980	2040
S 125	13	190	12.00	425	90	125	4.00	5.50	2365x1335x1750	2365x1335x2250	G 2 1/2	1980	2040
S 150	8	115	18.40	650	110	150	4.00	5.50	2365x1335x1750	2365x1335x2250	G 2 1/2	2040	2100
S 150	10	150	16.30	575	110	150	4.00	5.50	2365x1335x1750	2365x1335x2250	G 2 1/2	2040	2100
S 150	13	190	14.20	505	110	150	4.00	5.50	2365x1335x1750	2365x1335x2250	G 2 1/2	2040	2100
S 151	8	115	19.40	685	110	150	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3100	3200
S 151	10	150	17.00	600	110	150	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3100	3200
S 151	13	190	14.40	508	110	150	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3100	3200
S 180	8	115	23.30	825	132	180	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3400	3500
S 180	10	150	20.80	735	132	180	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3400	3500
S 180	13	190	17.80	630	132	180	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3400	3500
S 220	8	115	27.90	990	160	220	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3400	3500
S 220	10	150	25.10	890	160	220	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3400	3500
S 220	13	190	21.70	770	160	220	4.00	5.50	2265x1585x2005	2565x1585x2505	DN 80	3400	3500
S 271	8	115	34.70	1225	200	270	5.50	7.50	3100x1910x2145	3500x1910x2645	DN 100	4500	4600
S 271	10	150	30.50	1077	200	270	5.50	7.50	3100x1910x2145	3500x1910x2645	DN 100	4500	4600
S 271	13	190	24.70	872	200	270	5.50	7.50	3100x1910x2145	3500x1910x2645	DN 100	4500	4600
S 341	8	115	40.80	1441	250	340	7.50	10.00	3100x1910x2145	3500x1910x2645	DN 100	5000	5100
S 341	10	150	37.10	1310	250	340	7.50	10.00	3100x1910x2145	3500x1910x2645	DN 100	5000	5100
S 341	13	190	31.70	1119	250	340	7.50	10.00	3100x1910x2145	3500x1910x2645	DN 100	5000	5100

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 68 dB(A) according to DIN EN ISO 2151:2009

¹⁾ Super-silenced at the intake end

²⁾ Super-silenced at the intake end and discharge end

Compressed air station **SD 40-2** to **SD 150**



Effective free air delivery: 3.83 – 18.4 m³/min, 135 – 650 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 30 – 110 kW, 40 – 150 HP



REFRIGERANT DRYERS

The frame mounted refrigerant dryer has a pressure dew point of +3°C (DIN ISO 7183) and simply drops into the top of the screw compressor cabinet enabling simple maintenance or removal if ever necessary.



CYCLONE SEPARATOR

A cyclone separator with electronic loss free condensate drain is positioned before the dryer to remove any condensate before it enters the dryer.



INTERNAL PIPEWORK

All oil carrying pipes are made of steel terminating with high quality precision threaded joints that are leak proof and safe even under the highest pressures. The entire machine utilises only one hose on the clean air side which also serves for vibration damping.



OPERATOR PANEL AND CONTROL

The dryer controls are clearly visible on the compressor control panel. The BOGE FOCUS control which offers numerous monitoring and control features, comes as standard.

This is how compact compressed air can be: Standard S-series components along with a refrigerant dryer are assembled into one standalone package reducing footprint size and eliminating installation costs. Flexibility doesn't end there: a dryer bypass is provided in the scope of delivery that allows for direct connection of the compressor to the compressed air network.

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power				Dimensions silenced		Dimensions super-silenced		Compressed air outlet	Weight silenced kg	Weight super-silenced kg
	bar	psig	m ³ /min	cfm	Main drive motor		Fan motor		W x D x H mm		W x D x H mm				
					kW	HP	kW	HP							
SD 40-2	8	115	5.17	183	30	40	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	835	865		
	10	150	4.63	163	30	40	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	835	865		
	13	190	3.83	135	30	40	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	835	865		
SD 50-2	8	115	6.35	224	37	50	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	870	900		
	10	150	5.78	204	37	50	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	870	900		
	13	190	4.95	175	37	50	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	870	900		
SD 60-2	8	115	7.00	247	45	60	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	950	980		
	10	150	6.34	224	45	60	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	950	980		
	13	190	5.36	189	45	60	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	950	980		
SD 61-2	8	115	7.70	272	45	60	1.5	2.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1250	1300		
	10	150	6.92	244	45	60	1.5	2.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1250	1300		
	13	190	5.87	207	45	60	1.5	2.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1250	1300		
SD 75-2	8	115	9.33	329	55	75	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1350	1400		
	10	150	8.30	293	55	75	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1350	1400		
	13	190	7.11	251	55	75	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1350	1400		
SD 90-2	8	115	10.80	381	65	90	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1425	1475		
	10	150	9.65	341	65	90	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1425	1475		
	13	190	9.20	325	65	90	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1425	1475		
SD 100-2	8	115	12.10	428	75	100	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1335	1385		
	10	150	10.50	371	75	100	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1335	1385		
	13	190	9.20	325	75	100	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	1335	1385		
SD 101	8	115	13.10	463	75	100	2.2	3.0	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2135	2195		
	10	150	11.40	403	75	100	2.2	3.0	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2135	2195		
	13	190	9.80	346	75	100	2.2	3.0	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2135	2195		
SD 125	8	115	15.70	554	90	125	4.0	5.5	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2155	2215		
	10	150	13.70	484	90	125	4.0	5.5	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2155	2215		
	13	190	12.00	424	90	125	4.0	5.5	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2155	2215		
SD 150	8	115	18.40	650	110	150	4.0	5.5	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2220	2280		
	10	150	16.30	576	110	150	4.0	5.5	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2220	2280		
	13	190	14.20	501	110	150	4.0	5.5	2365x1335x2153	2365x1335x2250	G 2 ¹ / ₂	2220	2280		

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 71 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor SL 270 to SL 481



Effective free air delivery: 33 – 43.7 m³/min, 1166 – 1544 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 200 – 355 kW, 270 – 480 HP



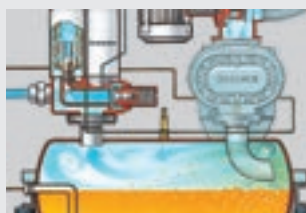
EFFICIENCY

The specially designed BOGE airend provides high output volumes at low energy consumption – for reliable and energy efficient compressed air supply.



INTERNAL PIPEWORK

All oil carrying pipes are made of steel terminating with high quality precision threaded joints that are leak proof and safe even under the highest pressures. The entire machine utilises only one hose on the clean air side which also serves for vibration damping.



VALVE-LESS OIL CIRCUIT

The BOGE screw compressor is designed with a valve-less oil circuit eliminating the need for oil stop or check valves. This function provides maximum operating safety.



CONTROL

The BOGE FOCUS control is the standard compressor control and provides numerous control and monitoring features.

Larger volumes of compressed air: The SL-series screw compressors are designed for reliability and efficiency when producing large volumes of compressed air.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power				Dimensions silenced	Dimensions super-silenced	Compressed air outlet	Weight silenced kg	Weight super-silenced kg
	bar	psig	m ³ /min	cfm	Main drive motor		Fan motor		W x D x H mm	W x D x H mm			
					kW	HP	kW	HP					
SL 270	8	115	33.3	1177	200	270	5.5	7.5	3100x1910x2145	3100x1910x2645	DN 100	3900	4000
SL 340	10	150	33.2	1173	250	340	7.5	10.0	3100x1910x2145	3100x1910x2645	DN 100	4500	4600
SL 340	13	190	33.0	1166	250	340	7.5	10.0	3100x1910x2145	3100x1910x2645	DN 100	4500	4600
SL 341	8	115	43.7	1544	250	340	7.5	10.0	3100x1910x2145	3100x1910x2645	DN 100	5000	5100
SL 431	10	150	43.4	1533	315	430	7.5	10.0	3100x1910x2145	3100x1910x2645	DN 100	5000	5100
SL 481	13	190	42.7	1508	355	480	7.5	10.0	3100x1910x2145	3500x1910x2645	DN 100	5600	5700

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 83 dB(A) according to DIN EN ISO 2151:2009

Screw compressor **SF 15**

Compressed air station **SDF 15**

with frequency control



Effective free air delivery: 0.35 – 1.50 m³/min, 14 – 58 cfm
 Pressure range: 8 – 13 bar, 115 – 190 psig
 Motor range: 11 kW, 15 HP



SF 15



SDF 15



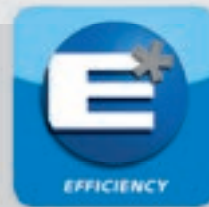
FREQUENCY CONTROL

The frequency converter ensures a continuous volume flow between 25 and 100 percent automatically adapting to the momentary demand of the compressed air system. Soft starting also avoids undue wear and tear and prolongs the service life of the compressor.



INTERNAL PIPEWORK

All oil carrying pipes are made of steel terminating with high quality precision threaded joints that are leak proof and safe even under the highest pressures. The entire machine utilises only one hose on the clean air side which also serves for vibration damping.



ENERGY SAVING

Tighter/reduced system pressure virtually eliminates off load running, and in turn reduces start-up current peaks, and contributes to potential energy savings of up to 40%



CONTROL

The BOGE FOCUS control is the standard compressor control and provides numerous control and monitoring features.

Advantage through distinctly reduced energy consumption: The integrated frequency control of the SF-series reduces idling times and eliminates pressure fluctuations. Using less compressed air means using less energy because the volume flow is continuously adapted to demand. Soft starting also avoids undue wear and tear and prolongs the service life of the compressor.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP		
SF 15	8	115	0.45-1.50	17- 58	11.0	15	940 x 700 x 1180	255
	10	150	0.36-1.33	14- 51	11.0	15	940 x 700 x 1180	255
	13	190	0.35-1.13	14- 44	11.0	15	940 x 700 x 1180	255

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 72 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power		Dimensions W x D x H mm	Weight kg
	bar	psig	m ³ /min	cfm	kW	HP		
SDF 15	8	115	0.45-1.50	17- 58	11.0	15	975 x 700 x 1470	295
	10	150	0.36-1.33	14- 51	11.0	15	975 x 700 x 1470	295
	13	190	0.35-1.13	14- 44	11.0	15	975 x 700 x 1470	295

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 72 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor **SF 60-2** to **SF 150** Compressed air station **SDF 60-2** to **SDF 150** with frequency control



Effective free air delivery: 1.34 – 18.4 m³/min, 47 – 650 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 45 – 110 kW, 60 – 150 HP



SF 60-2 to SF 150

SDF 60-2 to SDF 150



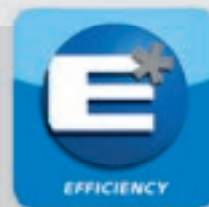
FREQUENCY CONTROL

The frequency converter ensures a continuous volume flow between 25 and 100 percent automatically adapting to the momentary demand of the compressed air system. Soft starting also avoids undue wear and tear and prolongs the service life of the compressor.



REFRIGERANT COMPRESSED AIR DRYERS

The frame mounted refrigerant dryer has a pressure dew point of +3°C (DIN ISO 7183) and simply drops into the top of the screw compressor cabinet enabling simple maintenance or removal if ever necessary.



ENERGY SAVING

Tighter/reduced system pressure virtually eliminates off load running, in turn reduces start-up current peaks, and contributes to potential energy savings of up to 40 %



CONTROL

The BOGE FOCUS control is the standard compressor control and provides numerous control and monitoring features.



For maximised efficiency and air delivery: This range of screw compressors is ideal for the efficient operation of larger volumes of air. The integrated frequency converter ensures a continuous volume flow between 25 and 100 percent by automatically adapting to the momentary demand of the compressed air system – an advantage with big pay back due to distinctly reduced energy costs.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power				Dimensions silenced W x D x H mm	Dimensions super-silenced W x D x H mm	Compressed air outlet	Weight silenced kg	Weight super-silenced kg
	bar	psig	m ³ /min	cfm	Main drive motor		Fan motor						
					kW	HP	kW	HP					
SF 60-2	8	115	1.75- 7.00	62-247	45	60	1.1	1.5	1620x 960x1450	1620x 960x1950	G 1 ¹ / ₄	885	915
	10	150	1.58- 6.34	56-224	45	60	1.1	1.5	1620x 960x1450	1620x 960x1950	G 1 ¹ / ₄	885	915
	13	190	1.34- 5.36	47-189	45	60	1.1	1.5	1620x 960x1450	1620x 960x1950	G 1 ¹ / ₄	885	915
SF 100-2	8	115	3.02-12.10	106-428	75	100	2.2	3.0	2000x1065x1450	2000x1065x1950	G 1 ¹ / ₂	1350	1400
	10	150	2.62-10.50	93-371	75	100	2.2	3.0	2000x1065x1450	2000x1065x1950	G 1 ¹ / ₂	1350	1400
	13	190	2.30- 9.20	81-325	75	100	2.2	3.0	2000x1065x1450	2000x1065x1950	G 1 ¹ / ₂	1350	1400
SF 150	8	115	4.60-18.40	163-650	110	150	4.0	5.5	2365x1335x1750	2365x1335x2250	G 2 ¹ / ₂	2200	2260
	10	150	4.08-16.30	144-575	110	150	4.0	5.5	2365x1335x1750	2365x1335x2250	G 2 ¹ / ₂	2200	2260
	13	190	3.55-14.20	125-505	110	150	4.0	5.5	2365x1335x1750	2365x1335x2250	G 2 ¹ / ₂	2200	2260

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 73 dB(A) according to DIN EN ISO 2151:2009

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power				Dimensions silenced W x D x H mm	Dimensions super-silenced W x D x H mm	Compressed air outlet	Weight silenced kg	Weight super-silenced kg
	bar	psig	m ³ /min	cfm	Main drive motor		Fan motor						
					kW	HP	kW	HP					
SDF 60-2	8	115	1.75- 7.00	62-247	45	60	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	1005	1035
	10	150	1.58- 6.34	56-224	45	60	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	1005	1035
	13	190	1.34- 5.36	47-189	45	60	1.1	1.5	1620x 960x1665	1620x 960x1950	G 1 ¹ / ₄	1005	1035
SDF 100-2	8	115	3.02-12.10	106-428	75	100	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	2170	2230
	10	150	2.32-10.50	93-371	75	100	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	2170	2230
	13	190	2.00- 9.20	81-325	75	100	2.2	3.0	2000x1065x1910	2000x1065x1950	G 1 ¹ / ₂	2170	2230
SDF 150	8	115	4.60-18.40	163-650	110	150	4.0	5.5	2365x1315x1755	2365x1315x2255	G 2 ¹ / ₂	2400	2460
	10	150	4.08-16.30	144-575	110	150	4.0	5.5	2365x1315x1755	2365x1315x2255	G 2 ¹ / ₂	2400	2460
	13	190	3.55-14.20	125-505	110	150	4.0	5.5	2365x1315x1755	2365x1315x2255	G 2 ¹ / ₂	2400	2460

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 73 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

Screw compressor **SLF 30** to **SLF 271** Compressed air station **SLDF 30** and **SLDF 40** with frequency control



Effective free air delivery: 1.06 – 34.7 m³/min, 37 – 1225 cfm
Pressure range: 8 – 13 bar, 115 – 190 psig
Motor range: 22 – 200 kW, 30 – 270 HP



SLF 30 (optionally with radial fan)

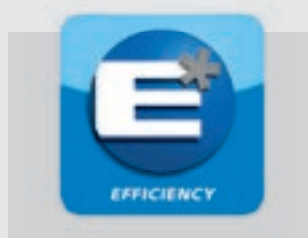


SLDF 30 (optionally with radial fan)



FREQUENCY CONTROL

The frequency converter ensures a continuous volume flow between 25 and 100 percent automatically adapting to the momentary demand of the compressed air system. The soft starting also avoids undue wear and tear and prolongs the service life of the compressor.



MAXIMUM EFFICIENCY

The specially designed BOGE airend provides high output volumes at low energy consumption – for reliable and energy efficient compressed air supply. Tighter/reduced system pressure virtually eliminates off load running, which in turn reduces start-up current peaks, and contributes to potential energy savings of up to 40%.



REFRIGERANT COMPRESSED AIR DRYERS

The frame mounted refrigerant dryer has a pressure dew point of +3°C (DIN ISO 7183) and simply drops into the top of the screw compressor cabinet enabling simple maintenance or removal if ever necessary.



CONTROL

The BOGE FOCUS control is the standard compressor control and provides numerous control and monitoring features.



Best specific working point: When frequency controlled the CLF-series compressors automatically adjust to the air demand whilst controlling the pressure perfectly. In the event of a change of the pressure value, the output automatically adjusts. A 13 bar machine thus regulated to an 8 bar machine yields a correspondingly higher output – without any expensive remodelling or design related modifications.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power		Dimensions silenced	Dimensions super-silenced/ with radial fan	Compressed air outlet	Weight silenced/ with radial fan	Weight super-silenced
	bar	psig	m³/min	cfm	kW	HP	W x D x H in mm	W x D x H in mm		kg	kg
SLF 30	8	115	1.06- 3.87	37- 137	22	30	1830 x 966 x 1444	1830 x 966 x 1944	G 1 1/4	700/730	730
	10	150	1.06- 3.30	37- 117	22	30	1830 x 966 x 1444	1830 x 966 x 1944	G 1 1/4	700/730	730
	13	190	1.06- 2.68	37- 95	22	30	1830 x 966 x 1444	1830 x 966 x 1944	G 1 1/4	700/730	730
SLF 40	8	115	1.06- 5.05	37- 178	30	40	1830 x 966 x 1444	1830 x 966 x 1944	G 1 1/4	770/805	810
	10	150	1.06- 4.53	37- 160	30	40	1830 x 966 x 1444	1830 x 966 x 1944	G 1 1/4	770/805	810
	13	190	1.06- 3.82	37- 135	30	40	1830 x 966 x 1444	1830 x 966 x 1944	G 1 1/4	770/805	810
SLF 51	8	115	1.51- 6.71	53- 237	37	50	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/4	1020/1070	1070
	10	150	1.47- 6.04	52- 213	37	50	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/4	1020/1070	1070
	13	190	1.37- 4.98	48- 176	37	50	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/4	1020/1070	1070
SLF 61	8	115	1.55- 7.87	55- 278	45	60	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/2	1150/1200	1200
	10	150	1.51- 6.92	53- 244	45	60	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/2	1150/1200	1200
	13	190	1.42- 5.90	50- 208	45	60	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/2	1150/1200	1200
SLF 75	8	115	1.55- 9.33	55- 329	55	75	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/2	1270/1320	1320
	10	150	1.51- 8.40	53- 297	55	75	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/2	1270/1320	1320
	13	190	1.46- 7.26	52- 256	55	75	2040 x 1090 x 1450	2040 x 1090 x 1950/2060	G 1 1/2	1270/1320	1320
SLF 101	8	115	4.22-13.64	149- 482	75	100	2415 x 1335 x 1750	2415 x 1335 x 2250	G 2 1/2	2200/ –	2260
	10	150	4.16-12.33	147- 435	75	100	2415 x 1335 x 1750	2415 x 1335 x 2250	G 2 1/2	2200/ –	2260
	13	190	4.00-10.58	141- 374	75	100	2415 x 1335 x 1750	2415 x 1335 x 2250	G 2 1/2	2200/ –	2260
SLF 125	8	115	4.22-15.70	149- 554	90	125	2415 x 1335 x 1750	2415 x 1335 x 2250	G 2 1/2	2250/ –	2310
	10	150	4.16-14.36	147- 507	90	125	2415 x 1335 x 1750	2415 x 1335 x 2250	G 2 1/2	2250/ –	2310
	13	190	4.00-12.56	141- 443	90	125	2415 x 1335 x 1750	2415 x 1335 x 2250	G 2 1/2	2250/ –	2310
SLF 221	8	115	6.46-28.21	228- 996	160	220	3145 x 1910 x 2145	3145 x 1910 x 2645	DN 100	4500/ –	4600
	10	150	6.18-25.06	218- 885	160	220	3145 x 1910 x 2145	3145 x 1910 x 2645	DN 100	4500/ –	4600
	13	190	5.46-20.36	193- 719	160	220	3145 x 1910 x 2145	3145 x 1910 x 2645	DN 100	4500/ –	4600
SLF 271	8	115	6.46-34.70	228-1225	200	270	3145 x 1910 x 2145	3145 x 1910 x 2645	DN 100	4700/ –	4800
	10	150	6.18-30.50	218-1077	200	270	3145 x 1910 x 2145	3145 x 1910 x 2645	DN 100	4700/ –	4800
	13	190	5.46-24.73	193- 873	200	270	3145 x 1910 x 2145	3145 x 1910 x 2645	DN 100	4700/ –	4800

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power		Dimensions silenced	Dimensions super-silenced/ with radial fan	Compressed air outlet	Weight silenced/ with radial fan	Weight super-silenced
	bar	psig	m³/min	cfm	kW	HP	W x D x H in mm	W x D x H in mm		kg	kg
SLDF 30	8	115	1.06-3.87	37-137	22	30	1830 x 966 x 1664	1830 x 966 x 1944	G 1 1/4	785/ –	815
	10	150	1.06-3.30	37-117	22	30	1830 x 966 x 1664	1830 x 966 x 1944	G 1 1/4	785/ –	815
	13	190	1.06-2.68	37- 95	22	30	1830 x 966 x 1664	1830 x 966 x 1944	G 1 1/4	785/ –	815
SLDF 40	8	115	1.06-5.05	37-178	30	40	1830 x 966 x 1664	1830 x 966 x 1944	G 1 1/4	855/ –	895
	10	150	1.06-4.53	37-160	30	40	1830 x 966 x 1664	1830 x 966 x 1944	G 1 1/4	855/ –	895
	13	190	1.06-3.82	37-135	30	40	1830 x 966 x 1664	1830 x 966 x 1944	G 1 1/4	855/ –	895

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 70 dB(A) according to DIN EN ISO 2151:2009

** Max. pressure of the compressor

READY FOR ACTION WORLDWIDE:

BOGE Service Support – Worldwide

PEACE OF MIND NOW COMES IN FOUR PACKAGES!

From inspection to the premium maintenance package – the choice is yours! There is a BOGE maintenance package to meet the level of service cover you require. Once you have selected your maintenance package you can simply sit back and enjoy the peace of mind that comes with maintenance from BOGE.

FULL SERVICE

- all work including replacement parts and maintenance components
- maintenance work within 24 hours
- manufacturer's warranty up to 10 years
- free of charge commissioning
- optional: BOGE plant management

PREMIUM MAINTENANCE

- 24 months warranty
- maintenance material (BOGE cairpacs)
- discount on replacement parts
- individual on-site support
- disposal of working materials and used parts
- no emergency flat rate

MAINTENANCE

- discount on commissioning
- all recommended maintenance work

INSPECTION

- travel time
- working hours
- pro-active support

The Contract term on all packages is 24 months. In addition, BOGE bestcarr warranty is also available. For more information and terms and conditions please contact your BOGE service consultant.

Service your added value! Maximised reliability and economic efficiency are not the only technical advantages that BOGE has to offer. Our comprehensive service support program will ensure your BOGE compressed air system remains in tip top condition. Wherever you need us, whatever we can do for you: BOGE Service Support is always readily available close by – competent, to the highest standards, and always one step ahead.



BOGE BESTCAIR

BOGE **bestcair** enables you to extend your factory warranty up to 5 years: 2 years factory warranty with 3 years additional **bestcair** warranty – the choice is yours. Furthermore, **bestcair** ensures manufacturer’s recommended maintenance schedule of new and existing equipment at the specified service intervals.

For more information email
bestcair@boge.com

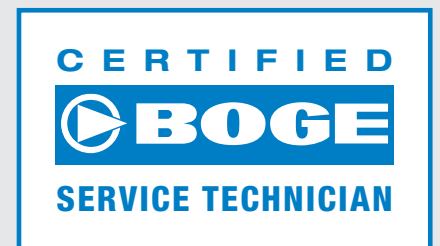
BOGE GENUINE PARTS

Only original BOGE spare parts have the manufacturer’s technological edge. You can be confident when opting for BOGE original spare parts in the service of your BOGE compressed air system will ensure that the integrity of the compressor is maintained, efficiency is retained and your peace of mind is sustained.

ALWAYS NEARBY

BOGE has a network of dedicated service technicians and certified partners at its disposal to help you worldwide with your installation, upgrading, commissioning or approval, maintenance, repair, or inspection: You can rely on the know-how and experience of our qualified experts – at all times.

Hotline Mobile Service: +49 5206 601-130



EMERGENCY ASSISTANCE

In the case of an emergency where immediate technical support is required, the BOGE product support trouble shooters or the BOGE Helpline team are available to you 24/7.

Product Support Hotline:
+49 5206 601-140

BOGE Helpline: +49 170 4400444

AIR AUDITS

By analysing your existing compressed air system, our energy efficiency experts can identify where savings can be made. The BOGE AIRReport includes measurement of: dew point control, vibration control, leakage, noise, oil check and TAN check.

TRAINING COURSES

The BOGE Compressed Air College was established in order to train and certify internal employees and external partners as qualified BOGE Service Technicians. Attendance of training courses held in the in-house training centre further assist in refreshing existing BOGE Service Technician’s knowledge at regular intervals.

For four generations, customers from mechanical engineering, industry and trade have relied on BOGE know-how when it comes to planning, developing and manufacturing compressed air systems. They are fully aware of the fact that BOGE AIR is more than just ordinary compressed air: utmost safety, outstanding efficiency, excellent quality, maximised flexibility along with dependable service are the ingredients to transform BOGE AIR into air to work with – in Germany, in Europe and in more than 80 countries around the world.

Our ranges of services include the following:

- Energy efficient systems development
- Plant design and engineering
- System control and visualisation
- Oil-free piston and screw compressors
- Oil injected screw compressors
and oil lubricated piston compressors
- Compressed air treatment
- Compressed air distribution and storage
- Compressed air accessories
- Compressed air service



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