

BOGE AIR. THE AIR TO WORK.



# SCREW COMPRESSORS

C SERIES

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.**

Screw compressors custom made by BOGE have for decades been synonymous with efficient and reliable compressed air supply to trade workshops through to industrial companies.

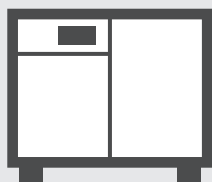
The BOGE C series is a trendsetter in its class: less noise, less pipework, less connections in contrast to more output, more individual configuration possibilities and more efficiency and requiring a minimum of space only. We have listened closely to the wishes of our customers – with the C series we provide the air to work.

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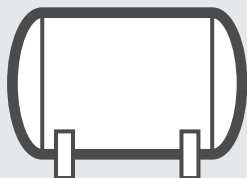
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# Compressed air with a method:

Modules of the BOGE C series.



Screw compressor



Compressed air receiver



Refrigerant dryer



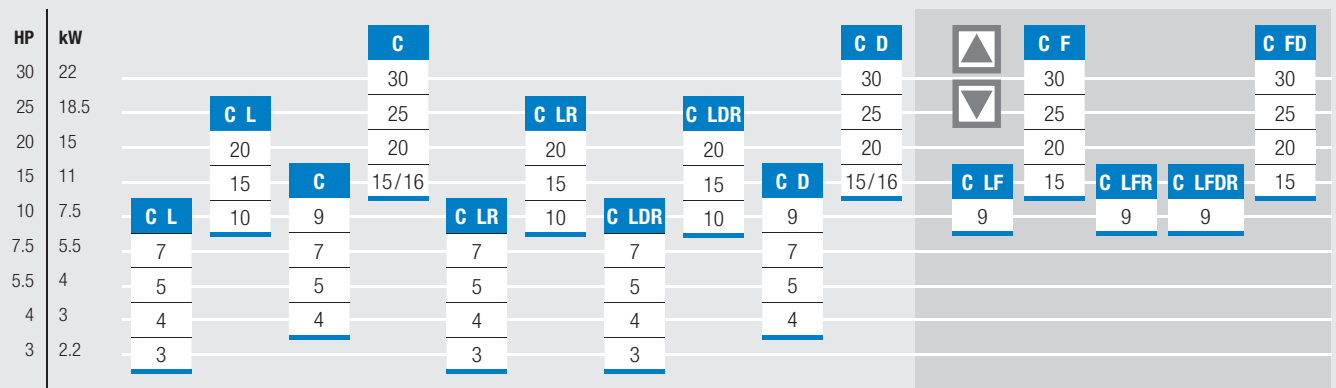
Frequency control

## 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

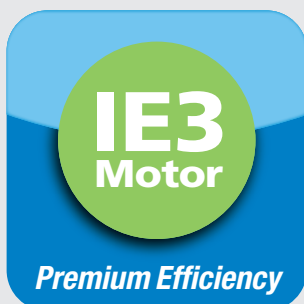


frequency controlled



### UNIQUE: BOGE GENUINE PARTS FOR THE C SERIES.

The use of BOGE original parts ensures you to benefit from the technological advantages of the C series in the long run. In this regard, BOGE offers unique replacement parts for the C series guaranteeing that 100 percent quality and 100 percent service life is achieved. Only BOGE original parts are compatible with the C Series range of compressors - gives surety of maximum safety during the entire life of the product.



### Premium Efficiency: IE3 Motors

The C series compressors offer the best possible energy efficiency thanks to economical IE3 motors of the premium efficiency class.

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

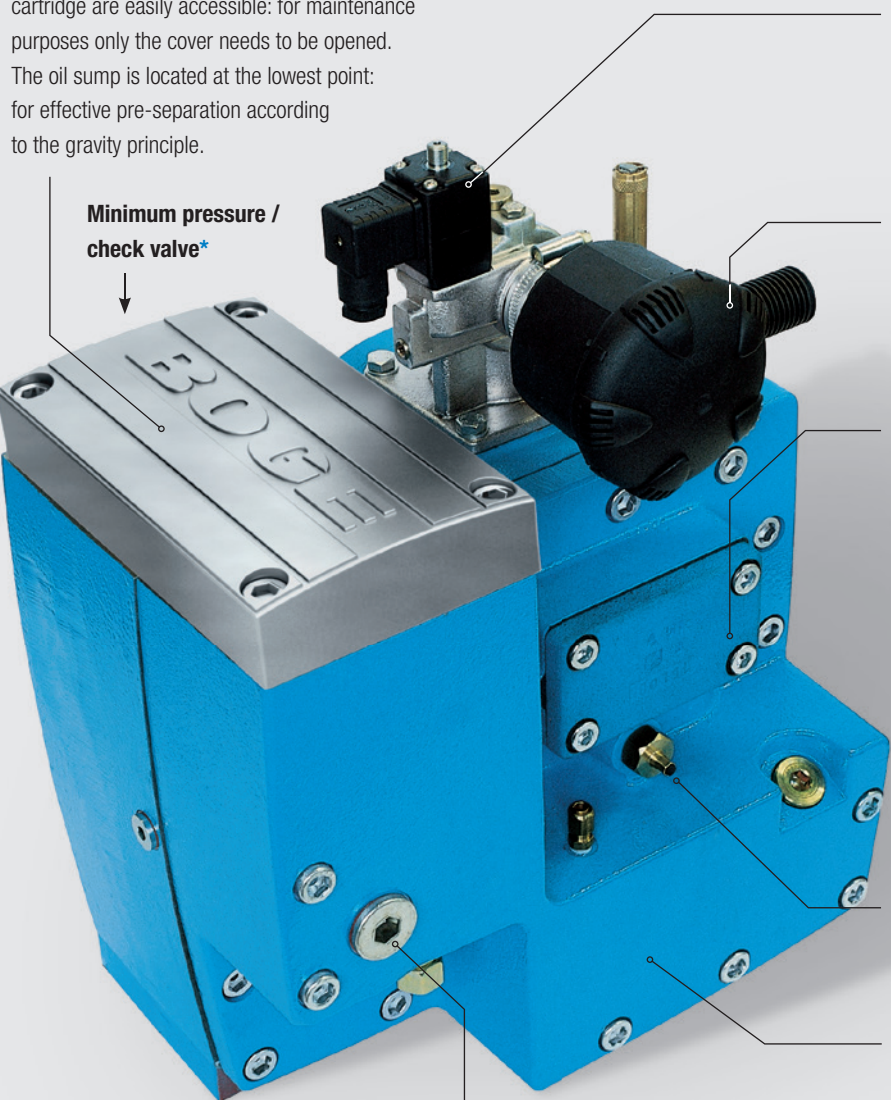
## Design advantages.

### THE CM COMPACT MODULE:

All major components are integrated into the airend block. Maintenance and wear parts are easily accessible – for easy service 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**

For safe operation and optimal monitoring of the compressor.

**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 the base 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 converter 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 LDR** to **C 7 LDR**

Effective free air delivery:

0.234 – 0.728 m<sup>3</sup>/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, directly coupled



## Compressed air system **C LR**

Receiver mounted screw compressor,  
directly coupled



## Compressed air centre **C LDR**

Receiver mounted screw compressor  
and refrigerant dryer, directly 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 <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	kW	HP		
C 3 L	10	150	0.240	9	–	–	2.2	3.0	817 x 520 x 495	105
C 4 L	10	150	0.340	12	0.31	11	3.0	4.0	817 x 520 x 495	110
C 4 L	13	190	0.234	8	–	–	3.0	4.0	817 x 520 x 495	110
C 5 L	10	150	0.545	19	0.40	14	4.0	5.5	817 x 520 x 495	125
C 7 L	10	150	0.728	25	–	–	5.5	7.5	817 x 520 x 495	130
C 7 L	13	190	0.525	19	–	–	5.5	7.5	817 x 520 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 <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	kW	HP			
C 3 LR	10	150	90	0.240	9	–	–	2.2	3.0	270	1185 x 550 x 1010	155
C 4 LR	10	150	90	0.340	12	0.31	11	3.0	4.0	270	1185 x 550 x 1010	160
C 4 LR	13	190	160	0.234	8	–	–	3.0	4.0	270	1185 x 550 x 1010	185
C 5 LR	10	150	90	0.545	19	0.40	14	4.0	5.5	270	1185 x 550 x 1010	175
C 7 LR	10	150	90	0.728	25	–	–	5.5	7.5	270	1185 x 550 x 1010	180
C 7 LR	13	190	160	0.525	19	–	–	5.5	7.5	270	1185 x 550 x 1010	205

\* 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 <sup>3</sup> /min	cfm	m <sup>3</sup> /min	cfm	kW	HP		
C 3 LDR	10	150	270	0.240	9	–	–	2.2	3.0	1723 x 675 x 1205	225
C 4 LDR	10	150	270	0.340	12	0.31	11	3.0	4.0	1723 x 675 x 1205	230
C 4 LDR	13	190	350	0.234	8	–	–	3.0	4.0	1723 x 675 x 1205	280
C 5 LDR	10	150	270	0.545	19	0.40	14	4.0	5.5	1723 x 675 x 1205	245
C 7 LDR	10	150	270	0.728	25	–	–	5.5	7.5	1723 x 675 x 1205	250
C 7 LDR	13	190	350	0.525	19	–	–	5.5	7.5	1723 x 675 x 1205	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 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 – 1.236 m<sup>3</sup>/min, 10 – 43 cfm

Pressure range: 7,5 – 13 bar, 110 – 190 psig

Motor range: 3 – 7,5 kW, 4 – 10 HP



C4 to C7



C9 and C4 D to C9 D



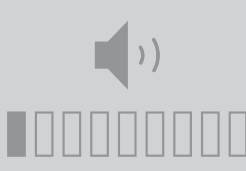
### EFFICIENCY

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

base 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 <sup>3</sup> /min	cfm	kW	HP		
C 4	7,5	110	0,440	15	3,0	4,0	480 x 907 x 955	190
C 4	8	115	0,427	15	3,0	4,0	480 x 907 x 955	190
C 4	10	150	0,340	12	3,0	4,0	480 x 907 x 955	190
C 4	13	190	0,280	10	3,0	4,0	480 x 907 x 955	190
C 5	7,5	110	0,649	23	4,0	5,5	480 x 907 x 955	195
C 5	8	115	0,630	22	4,0	5,5	480 x 907 x 955	195
C 5	10	150	0,545	19	4,0	5,5	480 x 907 x 955	195
C 5	13	190	0,440	15	4,0	5,5	480 x 907 x 955	195
C 7	7,5	110	0,927	33	5,5	7,5	480 x 907 x 955	210
C 7	8	115	0,900	32	5,5	7,5	480 x 907 x 955	210
C 7	10	150	0,770	27	5,5	7,5	480 x 907 x 955	210
C 7	13	190	0,642	23	5,5	7,5	480 x 907 x 955	210
C 9	7,5	110	1,236	43	7,5	10,0	480 x 987 x 1234	215
C 9	8	115	1,200	42	7,5	10,0	480 x 987 x 1234	215
C 9	10	150	1,100	39	7,5	10,0	480 x 987 x 1234	215
C 9	13	190	0,900	32	7,5	10,0	480 x 987 x 1234	215
C 4 D	7,5	110	0,440	15	3,0	4,0	480 x 990 x 1235	210
C 4 D	8	115	0,427	15	3,0	4,0	480 x 990 x 1235	210
C 4 D	10	150	0,340	12	3,0	4,0	480 x 990 x 1235	210
C 4 D	13	190	0,280	10	3,0	4,0	480 x 990 x 1235	210
C 5 D	7,5	110	0,649	23	4,0	5,5	480 x 990 x 1235	215
C 5 D	8	115	0,630	22	4,0	5,5	480 x 990 x 1235	215
C 5 D	10	150	0,545	19	4,0	5,5	480 x 990 x 1235	215
C 5 D	13	190	0,440	15	4,0	5,5	480 x 990 x 1235	215
C 7 D	7,5	110	0,927	33	5,5	7,5	480 x 990 x 1235	230
C 7 D	8	115	0,900	32	5,5	7,5	480 x 990 x 1235	230
C 7 D	10	150	0,770	27	5,5	7,5	480 x 990 x 1235	230
C 7 D	13	190	0,642	23	5,5	7,5	480 x 990 x 1235	230
C 9 D	7,5	110	1,236	43	7,5	10,0	480 x 990 x 1235	235
C 9 D	8	115	1,200	42	7,5	10,0	480 x 990 x 1235	235
C 9 D	10	150	1,100	39	7,5	10,0	480 x 990 x 1235	235
C 9 D	13	190	0,900	32	7,5	10,0	480 x 990 x 1235	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 – 1.31 m<sup>3</sup>/min, 8 – 43 cfm  
 Pressure range: 7,5 – 13 bar, 110 – 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 airend. This ensures the compressor output automatically adjusts to the momentary demand.



**REFRIGERANT DRYER**

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



**MAXIMUM EFFICIENCY**

The airend 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.



**CONTROL**

The compressor is controlled via the BOGE base 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 <sup>3</sup> /min	cfm	kW	HP					
C 9 LF	7,5	110		0,26-1,31	9-43	7,5	10,0	1020 x 677 x 723	1020 x 677 x 796	G 1/2	200	208
C 9 LF	8	115	–	0,26-1,27	9-42	7,5	10,0	1020 x 677 x 723	1020 x 677 x 796	G 1/2	200	208
C 9 LF	10	150	–	0,25-1,12	9-40	7,5	10,0	1020 x 677 x 723	1020 x 677 x 796	G 1/2	200	208
C 9 LF	13	190	–	0,24-0,93	8-33	7,5	10,0	1020 x 677 x 723	1020 x 677 x 796	G 1/2	200	208
C 9 LFR	7,5	110	270	0,25-1,31	9-43	7,5	10,0	1720 x 790 x 1365	1720 x 790 x 1440	G 1/2	315	323
C 9 LFR	8	115	270	0,26-1,27	9-42	7,5	10,0	1720 x 790 x 1365	1720 x 790 x 1440	G 1/2	315	323
C 9 LFR	10	150	270	0,25-1,12	9-40	7,5	10,0	1720 x 790 x 1365	1720 x 790 x 1440	G 1/2	315	323
C 9 LFR	13	190	350	0,24-0,93	8-33	7,5	10,0	1750 x 815 x 1415	1750 x 815 x 1490	G 1/2	323	331
C 9 LFDR	7,5	110	270	0,25-1,31	9-43	7,5	10,0	1720 x 745 x 1320	1720 x 745 x 1400	G 1/2	362	370
C 9 LFDR	8	115	270	0,26-1,27	9-42	7,5	10,0	1720 x 745 x 1320	1720 x 745 x 1400	G 1/2	362	370
C 9 LFDR	10	150	270	0,25-1,12	9-40	7,5	10,0	1720 x 745 x 1320	1720 x 745 x 1400	G 1/2	362	370
C 9 LFDR	13	190	350	0,24-0,93	8-33	7,5	10,0	1750 x 770 x 1370	1750 x 770 x 1445	G 1/2	387	390

\* 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 leaks.

**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 m<sup>3</sup>/min.

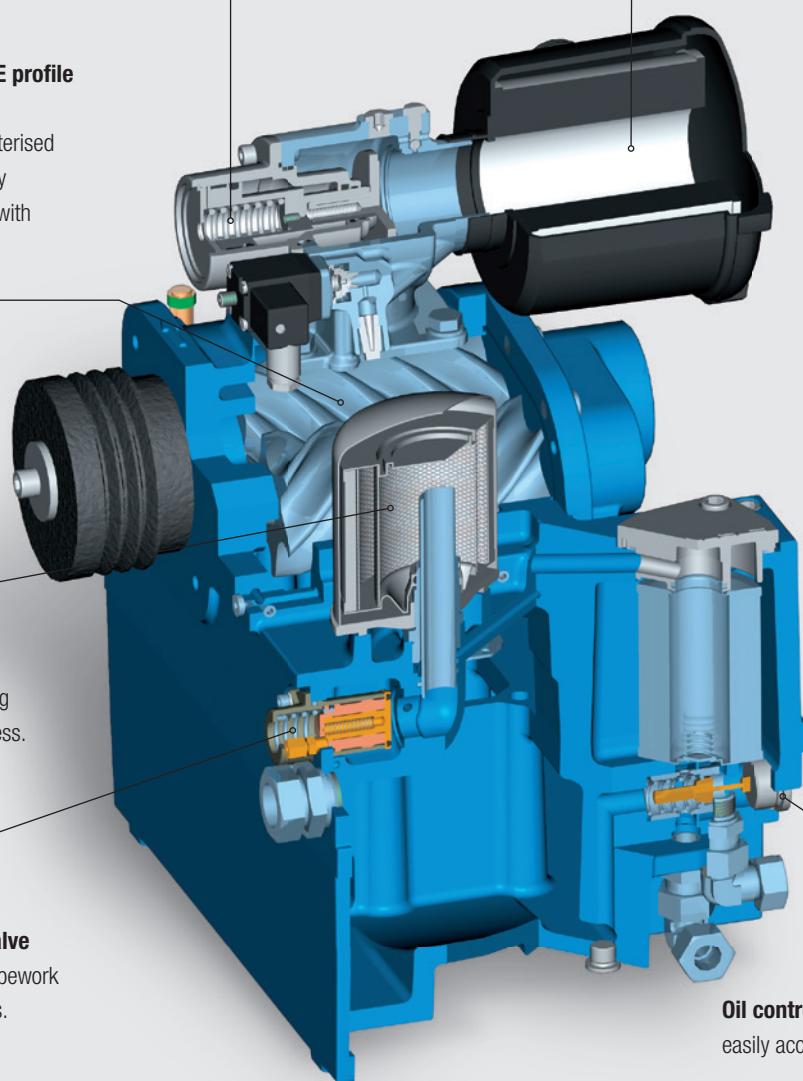
Effective **oil pre-separation** harnessing the laws of gravity. Service friendly access.

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

**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 ensures 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.

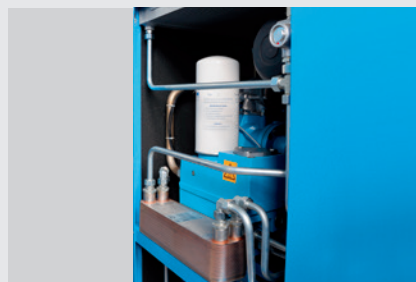
#### CONTROL

base 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 – 2.340 m<sup>3</sup>/min, 37 – 82 cfm

Pressure range: 7,5 and 10 bar, 110 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,  
directly coupled



### Compressed air centre **C LDR**

Receiver mounted screw compressor  
and refrigerant dryer, directly 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		Motor power		Dimensions B x T x H mm	Dimensions super-silenced W x D x H mm	Weigh kg	Weight super-silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP				
C 10 L	7,5	110	1,130	39	7,5	10,0	1170 x 600 x 600	1500 x 784 x 800	260	395
C 10 L	8	115	1,100	38	7,5	10,0	1170 x 600 x 600	1500 x 784 x 800	260	395
C 10 L	10	150	1,060	37	7,5	10,0	1170 x 600 x 600	1500 x 784 x 800	260	395
C 15 L	7,5	110	1,820	64	11,0	15,0	1335 x 693 x 610	1500 x 784 x 800	290	425
C 15 L	8	115	1,770	62	11,0	15,0	1335 x 693 x 610	1500 x 784 x 800	290	425
C 15 L	10	150	1,700	60	11,0	15,0	1335 x 693 x 610	1500 x 784 x 800	290	425
C 20 L	7,5	110	2,340	82	15,0	20,0	1335 x 693 x 610	1500 x 784 x 800	300	435
C 20 L	8	115	2,280	80	15,0	20,0	1335 x 693 x 610	1500 x 784 x 800	300	435
C 20 L	10	150	2,240	79	15,0	20,0	1335 x 693 x 610	1500 x 784 x 800	300	435

BOGE Model	Max. pressure**		Receiver volume Litres	Effective free air delivery* 50 Hz		Motor power		Dimensions B x T x H mm	Dimensions super-silenced W x D x H mm	Weigh kg	Weight super-silenced kg
	bar	psig		m <sup>3</sup> /min	cfm	kW	HP				
C 10 LR	7,5	110	350	1,130	39	7,5	10,0	1815 x 720 x 1350	1820 x 835 x 1495	380	515
C 10 LR	8	115	350	1,100	38	7,5	10,0	1815 x 720 x 1350	1820 x 835 x 1495	380	515
C 10 LR	10	150	350	1,060	37	7,5	10,0	1815 x 720 x 1350	1820 x 835 x 1495	380	515
C 15 LR	7,5	110	350	1,820	64	11,0	15,0	1815 x 720 x 1365	1820 x 835 x 1495	410	555
C 15 LR	8	115	350	1,770	62	11,0	15,0	1815 x 720 x 1365	1820 x 835 x 1495	410	555
C 15 LR	10	150	350	1,700	60	11,0	15,0	1815 x 720 x 1365	1820 x 835 x 1495	410	555
C 20 LR	7,5	110	350	2,340	82	15,0	20,0	1815 x 720 x 1365	1820 x 835 x 1495	470	575
C 20 LR	8	115	350	2,280	80	15,0	20,0	1815 x 720 x 1365	1820 x 835 x 1495	470	575
C 20 LR	10	150	350	2,240	79	15,0	20,0	1815 x 720 x 1365	1820 x 835 x 1495	470	575
C 10 LDR	7,5	110	350	1,130	39	7,5	10,0	1960 x 720 x 1350	2040 x 835 x 1500	350	550
C 10 LDR	8	115	350	1,100	38	7,5	10,0	1960 x 720 x 1350	2040 x 835 x 1500	350	550
C 10 LDR	10	150	350	1,060	37	7,5	10,0	1960 x 720 x 1350	2040 x 835 x 1500	350	550
C 15 LDR	7,5	110	350	1,820	64	11,0	15,0	1960 x 720 x 1365	2040 x 835 x 1500	380	590
C 15 LDR	8	115	350	1,770	62	11,0	15,0	1960 x 720 x 1365	2040 x 835 x 1500	380	590
C 15 LDR	10	150	350	1,700	60	11,0	15,0	1960 x 720 x 1365	2040 x 835 x 1500	380	590
C 20 LDR	7,5	110	350	2,340	82	15,0	20,0	1960 x 720 x 1365	2040 x 835 x 1500	380	610
C 20 LDR	8	115	350	2,280	80	15,0	20,0	1960 x 720 x 1365	2040 x 835 x 1500	380	610
C 20 LDR	10	150	350	2,240	79	15,0	20,0	1960 x 720 x 1365	2040 x 835 x 1500	380	610

\* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure levels from 59,5 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 – 3.729 m<sup>3</sup>/min, 22 – 131 cfm

Pressure range: 7,5 to 13 bar, 110 to 190 psig

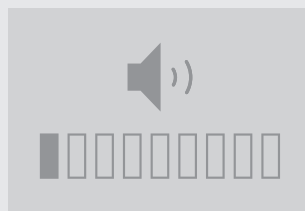
Motor range: 11 – 22 kW, 15 – 30 HP



**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 base 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 super-silenced W x D x H mm	Compressed air outlet	Weight super-silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP			
C 15	7,5	110	1,792	63	11,0	15,0	722 x 1060 x 1740	G 1	398
C 15	8	115	1,740	61	11,0	15,0	722 x 1060 x 1740	G 1	398
C 15	10	150	1,530	54	11,0	15,0	722 x 1060 x 1740	G 1	398
C 15	13	190	1,330	22	11,0	15,0	722 x 1060 x 1740	G 1	398
C 16	7,5	110	1,947	68	11,0	16,0	722 x 1060 x 1740	G 1	470
C 16	8	115	1,890	66	11,0	16,0	722 x 1060 x 1740	G 1	470
C 16	10	150	1,630	57	11,0	16,0	722 x 1060 x 1740	G 1	470
C 16	13	190	1,350	47	11,0	16,0	722 x 1060 x 1740	G 1	470
C 20	7,5	110	2,627	93	15,0	20,0	722 x 1060 x 1740	G 1	478
C 20	8	115	2,550	90	15,0	20,0	722 x 1060 x 1740	G 1	478
C 20	10	150	2,250	79	15,0	20,0	722 x 1060 x 1740	G 1	478
C 20	13	190	1,890	66	15,0	20,0	722 x 1060 x 1740	G 1	478
C 25	7,5	110	3,193	112	18,5	25,0	722 x 1060 x 1740	G 1	499
C 25	8	115	3,100	109	18,5	25,0	722 x 1060 x 1740	G 1	499
C 25	10	150	2,710	95	18,5	25,0	722 x 1060 x 1740	G 1	499
C 25	13	190	2,320	81	18,5	25,0	722 x 1060 x 1740	G 1	499
C 30	7,5	110	3,729	131	22,0	30,0	722 x 1060 x 1740	G 1	546
C 30	8	115	3,620	127	22,0	30,0	722 x 1060 x 1740	G 1	546
C 30	10	150	3,210	113	22,0	30,0	722 x 1060 x 1740	G 1	546
C 30	13	190	2,710	95	22,0	30,0	722 x 1060 x 1740	G 1	546
C 15 D	7,5	110	1,792	63	11,0	15,0	1072 x 1060 x 1740	G 1	498
C 15 D	8	115	1,740	61	11,0	15,0	1072 x 1060 x 1740	G 1	498
C 15 D	10	150	1,530	54	11,0	15,0	1072 x 1060 x 1740	G 1	498
C 15 D	13	190	1,330	22	11,0	15,0	1072 x 1060 x 1740	G 1	498
C 16 D	7,5	110	1,947	68	11,0	16,0	1072 x 1060 x 1740	G 1	570
C 16 D	8	115	1,890	66	11,0	16,0	1072 x 1060 x 1740	G 1	570
C 16 D	10	150	1,630	57	11,0	16,0	1072 x 1060 x 1740	G 1	570
C 16 D	13	190	1,350	47	11,0	16,0	1072 x 1060 x 1740	G 1	570
C 20 D	7,5	110	2,627	93	15,0	20,0	1072 x 1060 x 1740	G 1	578
C 20 D	8	115	2,550	90	15,0	20,0	1072 x 1060 x 1740	G 1	578
C 20 D	10	150	2,250	79	15,0	20,0	1072 x 1060 x 1740	G 1	578
C 20 D	13	190	1,890	66	15,0	20,0	1072 x 1060 x 1740	G 1	578
C 25 D	7,5	110	3,193	112	18,5	25,0	1072 x 1060 x 1740	G 1	599
C 25 D	8	115	3,100	109	18,5	25,0	1072 x 1060 x 1740	G 1	599
C 25 D	10	150	2,710	95	18,5	25,0	1072 x 1060 x 1740	G 1	599
C 25 D	13	190	2,320	81	18,5	25,0	1072 x 1060 x 1740	G 1	599
C 30 D	7,5	110	3,729	131	22,0	30,0	1072 x 1060 x 1740	G 1	646
C 30 D	8	115	3,620	127	22,0	30,0	1072 x 1060 x 1740	G 1	646
C 30 D	10	150	3,210	113	22,0	30,0	1072 x 1060 x 1740	G 1	646
C 30 D	13	190	2,710	95	22,0	30,0	1072 x 1060 x 1740	G 1	646

\* 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 15 F** to **C 30 F** Compressed air station **C 15 FD** to **C 30 FD** with frequency control



Effective free air delivery:  
0.27 – 3.73 m<sup>3</sup>/min, 10 – 131 cfm  
Pressure range: 7,5 to 13 bar, 110 to 190 psig  
Motor range: 11 – 22 kW, 15 – 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 includes 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 super-silenced W x D x H mm	Compressed air outlet	Weight super-silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP			
C 15 F	7,5	110	0,40-1,79	14- 63	11,0	15,0	722 x 1080 x 1740	G 1	436
C 15 F	8	115	0,39-1,74	14- 61	11,0	15,0	722 x 1080 x 1740	G 1	436
C 15 F	10	150	0,36-1,53	13- 54	11,0	15,0	722 x 1080 x 1740	G 1	436
C 15 F	13	190	0,27-1,33	10- 47	11,0	15,0	722 x 1080 x 1740	G 1	436
C 20 F	7,5	110	0,50-2,63	24- 93	15,0	20,0	722 x 1080 x 1740	G 1	519
C 20 F	8	115	0,49-2,55	23- 90	15,0	20,0	722 x 1080 x 1740	G 1	519
C 20 F	10	150	0,45-2,25	20- 79	15,0	20,0	722 x 1080 x 1740	G 1	519
C 20 F	13	190	0,54-1,89	17- 66	15,0	20,0	722 x 1080 x 1740	G 1	519
C 25 F	7,5	110	0,69-3,20	28-112	18,5	25,0	722 x 1080 x 1740	G 1	583
C 25 F	8	115	0,65-3,10	27-109	18,5	25,0	722 x 1080 x 1740	G 1	583
C 25 F	10	150	0,61-2,71	24- 95	18,5	25,0	722 x 1080 x 1740	G 1	583
C 25 F	13	190	0,45-2,32	20- 81	18,5	25,0	722 x 1080 x 1740	G 1	583
C 30 F	7,5	110	0,82-3,73	33-131	22,0	30,0	722 x 1080 x 1740	G 1	583
C 30 F	8	115	0,80-3,62	32-127	22,0	30,0	722 x 1080 x 1740	G 1	583
C 30 F	10	150	0,69-3,21	28-113	22,0	30,0	722 x 1080 x 1740	G 1	583
C 30 F	13	190	0,55-2,71	24- 95	22,0	30,0	722 x 1080 x 1740	G 1	583
C 15 FD	7,5	110	0,40-1,79	14- 63	11,0	15,0	1072 x 1080 x 1740	G 1	536
C 15 FD	8	115	0,39-1,74	14- 61	11,0	15,0	1072 x 1080 x 1740	G 1	536
C 15 FD	10	150	0,36-1,53	13- 54	11,0	15,0	1072 x 1080 x 1740	G 1	536
C 15 FD	13	190	0,27-1,33	10- 47	11,0	15,0	1072 x 1080 x 1740	G 1	536
C 20 FD	7,5	110	0,50-2,63	24- 93	15,0	20,0	1072 x 1080 x 1740	G 1	619
C 20 FD	8	115	0,49-2,55	23- 90	15,0	20,0	1072 x 1080 x 1740	G 1	619
C 20 FD	10	150	0,45-2,25	20- 79	15,0	20,0	1072 x 1080 x 1740	G 1	619
C 20 FD	13	190	0,54-1,89	17- 66	15,0	20,0	1072 x 1080 x 1740	G 1	619
C 25 FD	7,5	110	0,69-3,20	28-112	18,5	25,0	1072 x 1080 x 1740	G 1	683
C 25 FD	8	115	0,65-3,10	27-109	18,5	25,0	1072 x 1080 x 1740	G 1	683
C 25 FD	10	150	0,61-2,71	24- 95	18,5	25,0	1072 x 1080 x 1740	G 1	683
C 25 FD	13	190	0,45-2,32	20- 81	18,5	25,0	1072 x 1080 x 1740	G 1	683
C 30 FD	7,5	110	0,82-3,73	33-131	22,0	30,0	1072 x 1080 x 1740	G 1	681
C 30 FD	8	115	0,80-3,62	32-127	22,0	30,0	1072 x 1080 x 1740	G 1	681
C 30 FD	10	150	0,69-3,21	28-113	22,0	30,0	1072 x 1080 x 1740	G 1	681
C 30 FD	13	190	0,55-2,71	24- 95	22,0	30,0	1072 x 1080 x 1740	G 1	681

\* 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

# 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
- BOGE remote diagnostics tool airstatus

### PREMIUM MAINTENANCE

- 24 months warranty
- maintenance material (BOGE cairpacs)
- discount on replacement parts
- individual on-site support
- disposal of working materials and used parts
- includes 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 best<sup>cair</sup> 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.

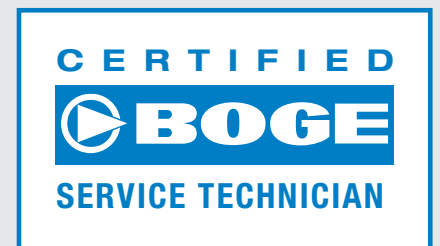
**Product Support Hotline:**  
**+49 5206 601-140**

**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.

**BOGE Compressed Air Systems**

**GmbH & Co. KG**

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**B**est  
**O**f  
**G**erman  
**E**ngineering

All around the globe, customers place their trust in premium compressed air systems with the BOGE brand name. These four letters stand for more than just the name of our company founder. BOGE also stands for the Best Of German Engineering – because we have been putting our experience in innovative solutions and outstanding products into action for four generations and for more than 100 years. Those who favour German engineering ingenuity opt for BOGE quality – worldwide.

**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



GL Systems Certification



# Setting new standards in the 11 kW class: Phenomenal delivery from BOGE C 16 F (D) – and pleasantly quiet!

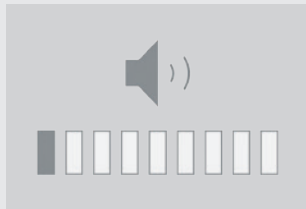


Exemplary **energy efficiency** – ideal for widely fluctuating compressed air demand!



### HIGHLY EFFICIENT

Among the ranks of oil-injection cooled screw compressors, the new BOGE C 16 F is setting whole new performance standards in the 11kW class. The minimal power consumption of its IE3 motor and its ultra-low flow losses make quite an impression – resulting in large-scale energy saving opportunities.



### SURPRISINGLY QUIET

A silenced intake filter and a heavy grey cast iron housing that absorbs sound right at the source – with its 64 dB(A), the BOGE C 16 F certainly has what it takes to operate quietly, and its low running speeds take care of the rest. It's so quiet, in fact, that the compressor can be used within the workplace.



### UTTERLY TRANSPARENT

The BOGE C 16 F can optionally be fitted with the **focus** control 2.0 – one of the most modern compressor controls on the market. It features easy-to-use touchscreen operation, RFID interface and numerous indications of system and compressor data.



### EXTREMELY PROLIFIC

Despite its low speed levels, the free air delivery of the BOGE C16F is up there with the best of the 11kW compressors. This is all down to the BOGE compact airend from the effilence family that also provides excellent specific power consumption.

**Outstanding energy efficiency and extremely quiet operation – with the belt-driven BOGE C 16 F, the market for oil-injection cooled 11 kW compressors includes a best in class competitor. Its high performance and market leading specific power consumption all combined with the advantages that frequency control offers assure its status which is underpinned by options such as a refrigerant dryer or focus control 2.0.**

**BOGE Compressed Air Systems**

**GmbH & Co. KG**

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## WHY FREQUENCY CONTROL PAYS OFF IN MORE WAYS THAN ONE

The benefits of integrated frequency control are particularly tangible where compressed air demand fluctuates widely. The frequency converter automatically adjusts power consumption down to as low as 25% in line with changes in operating conditions. A fall in the demand for compressed air is followed by a reduction in the compressor's energy use. This in turn minimises idling times and irons out pressure fluctuations. And that's not all - soft starts and stops positively influence the compressor lifetime. The various contributing factors that help the BOGE C 16 F to use up to 30% less energy are given in the following overview:



### The advantages at a glance

- Idling times minimised
- Lower operating pressure
- Ideal adjustment to compressed air demand
- Fast reaction to changes in demand
- Soft operation
- No power peaks during start-up
- Less compressor wear
- Extended lifetime



Optimal features and yet compact:  
the C 16 FD with integrated refrigerant dryer

## BOGE C 16 F (D) IN FIGURES

BOGE model	Max. pressure*		Effective free air delivery**		Motor power		Dimensions W x D x H mm	Weight kg
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP		
C 16 F	8	115	0,53...1,99	18,7...70,3	11	15	722 x 1080 x 1740	499
C 16 F	10	150	0,47...1,72	16,6...60,7	11	15	722 x 1080 x 1740	499
C 16 F	13	190	0,47...1,37	16,6...48,4	11	15	722 x 1080 x 1740	499
C 16 FD	8	115	0,53...1,99	18,7...70,3	11	15	1072 x 1080 x 1740	599
C 16 FD	10	150	0,47...1,72	16,6...60,7	11	15	1072 x 1080 x 1740	599
C 16 FD	13	190	0,47...1,37	16,6...48,4	11	15	1072 x 1080 x 1740	599

\* Maximum pressure of compressor. All 7.5 bar indications are given as reference values – the compressors are designed for 8 bar.

\*\* Free air delivery of overall system in accordance with ISO 1217, appendix C, at an ambient temperature of 20°C and maximum pressure. Emitted sound pressure levels from 64 dB(A) in accordance with DIN EN ISO 2151:2009.

BOGE AIR. THE AIR TO WORK.



# BOGE Paintline



# The all-in-one compressed air solution for high-quality surface technology:

## Efficient, low-maintenance and dependable.

### HOW IT WORKS:

BOGE Paintline is based on an oil-injection cooled screw compressor in combination with special filter technology. This enables purity class 1 to be reached for solid impurities and residual oil content, and class 4 for water content. The various components of BOGE Paintline work together so effectively that the only system configuration that is needed is to set the free air delivery required. The filter technology used in the system is matched

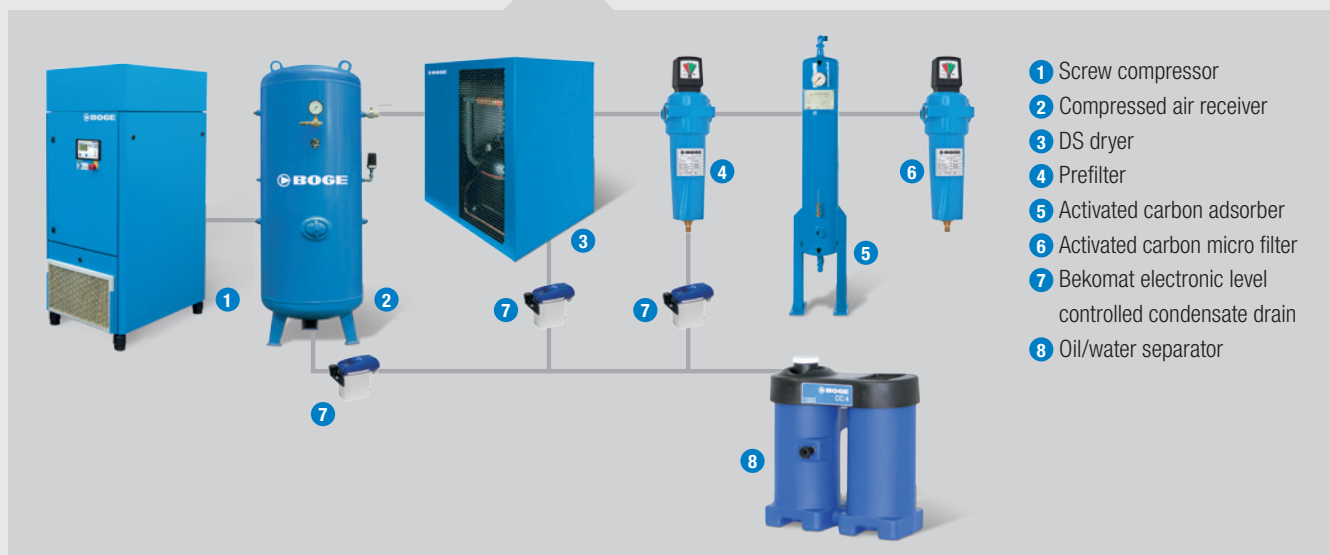
to the maintenance intervals for the compressor, and has a lifetime of at least 3,000 operating hours. A treatment system for the oily condensate produced is also already incorporated. The proven BOGE DUOTHERM heat recovery system and a frequency controller are optional equipment that can also be integrated.

„ALL-IN-ONE“  
SOLUTION



BOGE Paintline is made up of perfectly coordinated system components in proven BOGE quality. Galvanized receiver shown is non standard and offered as extra cost option.

### PREVIOUS INSTALLATION:



**It all fits together perfectly:** BOGE Paintline allows you to generate extremely pure, oil-free compressed air that is precisely tailored to the needs of industry and the trades, particularly in the field of surface technology. As a system provider, BOGE creates an optimally tailored all-in-one system comprising compressed air generation, compressed air treatment, and condensate disposal in proven BOGE premium quality as a complete plug-and-play solution. Since everything comes from just one source, you can be sure that your compressed air generation will be extremely low-maintenance and efficient, thanks to the perfect interplay of all the components!

### CONCENTRATING ON THE ESSENTIAL

BOGE's Paintline filter unit, which is itself completely free of any substances that prevent paint adhesion, effectively removes oils, oil vapours and particles that could prevent paint adhesion (tested in accordance with VW Group Standard PV3.10.7, version 02/2005) – allowing the high standard of our filter technology to be reflected in your products.



### ALL-IN-ONE SOLUTION

BOGE supplies the complete tailor-made and ready-to-use system, containing all the components necessary for generating and filtering compressed air. This saves you the time and expense of fitting pipework and cabling – all you have to do is set the free air delivery you require.

### PROVEN PREMIUM QUALITY

The BOGE Paintline system is based on proven BOGE premium quality you can depend on. High quality and attention to detail are of prime importance in producing and assembling all the components. Every element installed is low-wear and maintenance-friendly.

### MAXIMUM EFFICIENCY

Take advantage of the compatibility of our system components: achieve even greater efficiency with BOGE Paintline by additionally integrating the BOGE DUOTHERM heat recovery system and a frequency controller.

### LABS\* FREE FILTER TECHNOLOGY

The BOGE Paintline filters are pre-assembled as a single cartridge and offer many advantages: The special LABS\* free filters have a long service life. The oversized design means pressure losses are reduced to a minimum. Optimised in line with the compressor maintenance schedule, they are designed for a service life of at least 3,000 hours of operation.

\* LABS = paint wetting disruptive substances (e.g. silicones and oils)

## C series rounds off BOGE Paintline.

The integrated compressor air end is distinguished by its high free air delivery and its low power requirement. The motor rating extends up to 11 kW, and an effective free air delivery of up to 1.820 m<sup>3</sup>/min can be obtained.

### BOGE KOMPRESSOREN

#### Otto Boge GmbH & Co. KG

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### WELL THOUGHT OUT AND MAINTANANCE FRIENDLY

Compressors in the C series include an integrated oil separator, which effectively pre-separates the oil using the force of gravity. All maintenance-relevant parts are easy to reach and maintain.



BOGE Model	Max. pressure**		Effective free air delivery*		Motorpower		Receiver volume
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP	Litres
C 7 LDR	10	150	0,728	25	5,5	7,5	270–500

\* Free air delivery figures in accordance with ISO 1217, Appendix C, 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, the 7.5 bar indications are to be provided as reference values. The machines are shipped standard in 8 bar. Ask for further receiver dimensions.

BOGE Model	Max. pressure**		Effective free air delivery*		Motorpower		Receiver volume
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP	Litres
C 9 LFDR	7,5	110	0,25–1,31	9–43	7,5	10,0	270–500
C 9 LFDR	8,0	115	0,26–1,27	9–42	7,5	10,0	270–500
C 9 LFDR	10,0	150	0,25–1,12	9–40	7,5	10,0	270–500

\* Free air delivery figures in accordance with ISO 1217, Appendix C, at 20 °C ambient temperature and maximum pressure. Emitted sound pressure levels from 59,5 dB(A) according to DIN EN ISO 2151:2009.

\*\* Max. pressure of the compressor, the 7.5 bar indications are to be provided as reference values. The machines are shipped standard in 8 bar.

BOGE Model	Max. pressure**		Effective free air delivery*		Motorpower		Receiver volume
	bar	psig	m <sup>3</sup> /min	cfm	kW	HP	Litres
C 10 LDR	7,5	110	1,130	39	7,5	10,0	350–750
C 10 LDR	8,0	115	1,100	38	7,5	10,0	350–750
C 10 LDR	10,0	150	1,060	37	7,5	10,0	350–750
C 15 LDR	7,5	110	1,820	64	11,0	15,0	350–750
C 15 LDR	8,0	115	1,770	62	11,0	15,0	350–750
C 15 LDR	10,0	150	1,700	60	11,0	15,0	350–750

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

\*\* Max. pressure of the compressor, the 7.5 bar indications are to be provided as reference values. The machines are shipped standard in 8 bar.

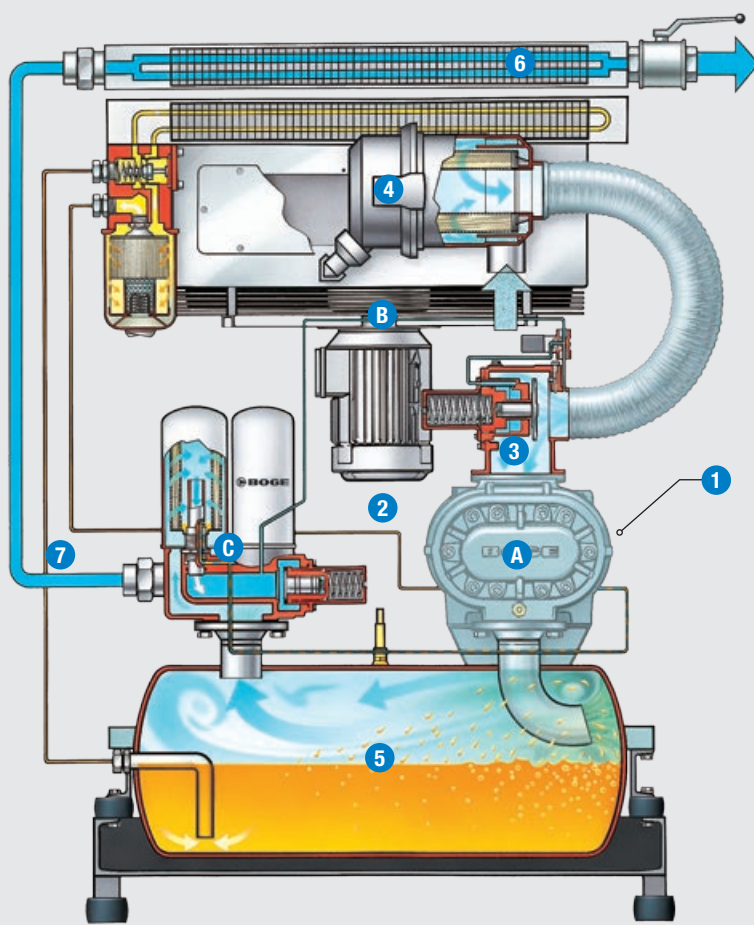
The listed performance data is representative of standard compressors.



# BOGE S series S-3



# Top quality has surpassed itself again: The new generation BOGE S series.



## Details of new generation:

- A New BOGE efficiency airend
- B New cooling fan design
- C Optimised oil separation

## Proven benefits of the BOGE S series:

- 1 Highly efficient IE3 motor
- 2 Intelligent cooling air circulation
- 3 Valveless oil circuit with multifunction suction regulator
- 4 Suction filter with micro paper element
- 5 Highly effective oil separation system with horizontal receiver
- 6 Self-sufficient cooling system with separate fan
- 7 Internal pipework made from steel tubing
- Integrated switch cabinet
- Maintenance-friendly design

## Intelligent design provides an edge:

The BOGE S series wins you over with its sophisticated design concept, highest quality workmanship and maximum cost-efficiency. Each component is the culmination of decades of expertise by our engineers – giving it an edge is evident in everyday use.

## The ideal lubricant for your BOGE S-3: BOGE SYPREM S.

The advantages:

- Fully synthetic coolant and lubricant
- Reduced oil vaporisation, therefore lower consumption and oil carryover into the compressed air system
- Longer service life: changing intervals of up to 9000 operating hours can be achieved
- Viscosity index 55 for optimal temperature characteristics and wide operating temperature range
- Prevents deposits from forming, thus increases service life of compression stage and filtration media

The use of BOGE SYPREM S makes it possible to increase the guarantee period to five years within the framework of the BOGE best**cair** guarantee programme. Further information is available at: [www.boge.com](http://www.boge.com).



**One of the best has been improved upon:** The S series has set standards in efficient and reliable compressed air production. Now, BOGE has made one of the best screw compressor ranges on the market even better. While retaining the proven design philosophy, the efficiency, smooth running properties and the sound pressure levels have been significantly optimised. You can look forward to the best S series of all time!

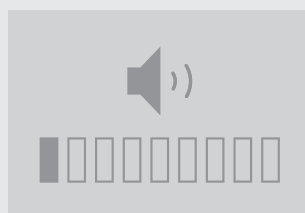


The depicted machine is the super-silenced version



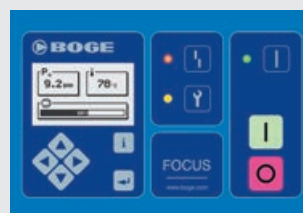
#### **EVEN MORE EFFICIENT**

The new generation BOGE S series has the most efficient airend ever employed by BOGE – the BOGE effilence. Included as standard in every machine in the S-3 series, BOGE's effilence enhances the increased air delivery and improved oil separation system to the high level of efficiency achieved by the new compressor generation.



#### **EVEN QUIETER**

As well as the innovative BOGE effilence airend, the new designed fan makes the BOGE S-3 series quieter than ever. Its speed has been halved resulting in reduced noise levels – while the cooling air has been improved at the same time to provide a consistent cooling performance. The result speaks for itself: the quietest S series of all time!



#### **PROVEN CONTROL**

The compressor control in the standard version uses a familiar and intuitive FOCUS control which provides numerous monitoring and control features that allows connection to master control system.



#### **PROVEN DESIGN**

Irrespective of the modification incorporated, the proven design of the S series has still been retained: providing the advantages of the efficient cooling air circulation, the effective optimised oil separation system with a horizontal receiver and the premium quality of one of the most reliable screw compressors on the market.

BOGE Model	Max. pressure**		Effective free air delivery *		Motor power				Dimensions 1) silenced W x D x H	Dimensions 2) super silenced W x D x H	Com-pressed air outlet	Weight silenced kg	Weight super silenced kg
	bar	psig	m³/min	cfm	Main drive		Fan motor		mm	mm			
					kW	HP	kW	HP					
S 31-3	7.5	110	4.00	142	22	30	0.75	1.0	1615x990x1450	–	G 1¼	750	–
S 31-3	8	115	3.88	138	22	30	0.75	1.0	1615x990x1450	–	G 1¼	750	–
S 31-3	10	150	3.35	119	22	30	0.75	1.0	1615x990x1450	–	G 1¼	750	–
S 31-3	13	190	2.73	97	22	30	0.75	1.0	1615x990x1450	–	G 1¼	750	–
S 40-3	7.5	110	5.47	194	30	40	0.75	1.0	1615x990x1450	–	G 1¼	842	–
S 40-3	8	115	5.31	188	30	40	0.75	1.0	1615x990x1450	–	G 1¼	842	–
S 40-3	10	150	4.77	169	30	40	0.75	1.0	1615x990x1450	–	G 1¼	842	–
S 40-3	13	190	3.91	139	30	40	0.75	1.0	1615x990x1450	–	G 1¼	842	–
SD 40-3	7.5	110	5.47	194	30	40	0.75	1.0	1615x990x1730	–	G 1¼	970	–
SD 40-3	8	115	5.31	188	30	40	0.75	1.0	1615x990x1730	–	G 1¼	970	–
SD 40-3	10	150	4.77	169	30	40	0.75	1.0	1615x990x1730	–	G 1¼	970	–
SD 40-3	13	190	3.91	139	30	40	0.75	1.0	1615x990x1730	–	G 1¼	970	–
S 40-3 BLUEKAT	7.5	110	5.47	194	30	40	0.75	1.0	2258x960x1450	–	G 1¼	1100	–
S 40-3 BLUEKAT	8	115	5.31	188	30	40	0.75	1.0	2258x960x1450	–	G 1¼	1100	–
S 40-3 BLUEKAT	10	150	4.77	169	30	40	0.75	1.0	2258x960x1450	–	G 1¼	1100	–
S 40-3 BLUEKAT	13	190	3.91	139	30	40	0.75	1.0	2258x960x1450	–	G 1¼	1100	–
S 50-3	7.5	110	6.64	235	37	50	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	843	873
S 50-3	8	115	6.45	228	37	50	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	843	873
S 50-3	10	150	5.77	204	37	50	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	843	873
S 50-3	13	190	4.92	174	37	50	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	843	873
SD 50-3	7.5	110	6.64	235	37	50	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	971	1001
SD 50-3	8	115	6.45	228	37	50	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	971	1001
SD 50-3	10	150	5.77	204	37	50	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	971	1001
SD 50-3	13	190	4.92	174	37	50	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	971	1001
S 50-3 BLUEKAT	7.5	110	6.64	235	37	50	1.5	2.0	–	2258x960x1955	G 1¼	–	1320
S 50-3 BLUEKAT	8	115	6.45	228	37	50	1.5	2.0	–	2258x960x1955	G 1¼	–	1320
S 50-3 BLUEKAT	10	150	5.77	204	37	50	1.5	2.0	–	2258x960x1955	G 1¼	–	1320
S 50-3 BLUEKAT	13	190	4.92	174	37	50	1.5	2.0	–	2258x960x1955	G 1¼	–	1320
S 60-3	7.5	110	7.52	266	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	994	1024
S 60-3	8	115	7.30	258	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	994	1024
S 60-3	10	150	6.54	231	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	994	1024
S 60-3	13	190	5.60	198	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	994	1024
SD 60-3	7.5	110	7.52	266	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SD 60-3	8	115	7.30	258	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SD 60-3	10	150	6.54	231	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SD 60-3	13	190	5.60	198	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SF 60-3	7.5	110	1.63 - 7.52	58 - 266	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	1057	1087
SF 60-3	8	115	1.58 - 7.30	56 - 258	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	1057	1087
SF 60-3	10	150	1.43 - 6.53	51 - 231	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	1057	1087
SF 60-3	13	190	1.19 - 5.67	43 - 201	45	60	1.5	2.0	1615x990x1450	1615x990x1950	G 1¼	1057	1087
SDF 60-3	7.5	110	1.63 - 7.52	58 - 266	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SDF 60-3	8	115	1.58 - 7.30	56 - 258	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SDF 60-3	10	150	1.43 - 6.53	51 - 231	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
SDF 60-3	13	190	1.19 - 5.67	43 - 201	45	60	1.5	2.0	1615x990x1730	1615x990x1950	G 1¼	1122	1152
S 61-3	7.5	110	8.09	286	45	60	1.5	2.0	1995x1065x1455	1995x1065x1950	G 1½	1180	1230
S 61-3	8	115	7.85	278	45	60	1.5	2.0	1995x1065x1455	1995x1065x1950	G 1½	1180	1230
S 61-3	10	150	7.10	251	45	60	1.5	2.0	1995x1065x1455	1995x1065x1950	G 1½	1180	1230
S 61-3	13	190	6.03	213	45	60	1.5	2.0	1995x1065x1455	1995x1065x1950	G 1½	1180	1230
SD 61-3	7.5	110	8.09	286	45	60	1.5	2.0	1995x1065x1950	1995x1065x1950	G 1½	1330	1380
SD 61-3	8	115	7.85	278	45	60	1.5	2.0	1995x1065x1950	1995x1065x1950	G 1½	1330	1380
SD 61-3	10	150	7.10	251	45	60	1.5	2.0	1995x1065x1950	1995x1065x1950	G 1½	1330	1380
SD 61-3	13	190	6.03	213	45	60	1.5	2.0	1995x1065x1950	1995x1065x1950	G 1½	1330	1380
S 75-3	7.5	110	10.18	360	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1260	1310
S 75-3	8	115	9.88	349	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1260	1310
S 75-3	10	150	9.04	320	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1260	1310
S 75-3	13	190	7.45	264	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1260	1310
SD 75-3	7.5	110	10.18	360	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1430	1480
SD 75-3	8	115	9.88	349	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1430	1480
SD 75-3	10	150	9.04	320	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1430	1480
SD 75-3	13	190	7.45	264	55	75	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1430	1480

BOGE Model	Max. pressure**		Effective free air delivery *		Motor power				Dimensions <sup>1)</sup> silenced WxDxH	Dimensions <sup>2)</sup> super silenced WxDxH	Com-pressed air outlet	Weight silenced kg	Weight super silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	Main drive		Fan motor		mm	mm			
					kW	HP	kW	HP					
S 90-3	7.5	110	11.69	413	65	90	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1328	1378
S 90-3	8	115	11.35	401	65	90	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1328	1378
S 90-3	10	150	10.18	360	65	90	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1328	1378
S 90-3	13	190	8.87	314	65	90	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1328	1378
SD 90-3	7.5	110	11.69	413	65	90	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1498	1548
SD 90-3	8	115	11.35	401	65	90	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1498	1548
SD 90-3	10	150	10.18	360	65	90	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1498	1548
SD 90-3	13	190	8.87	314	65	90	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1498	1548
S 100-3	7.5	110	13.18	466	75	100	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1358	1408
S 100-3	8	115	12.80	452	75	100	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1358	1408
S 100-3	10	150	11.00	389	75	100	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1358	1408
S 100-3	13	190	9.53	337	75	100	2.2	3.0	1995x1065x1455	1995x1065x1950	G 1½	1358	1408
SD 100-3	7.5	110	13.18	466	75	100	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1528	1578
SD 100-3	8	115	12.80	452	75	100	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1528	1578
SD 100-3	10	150	11.00	389	75	100	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1528	1578
SD 100-3	13	190	9.53	337	75	100	2.2	3.0	1995x1065x1950	1995x1065x1950	G 1½	1528	1578
SF 100-3	7.5	110	3.00 - 13.18	106 - 466	75	100	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1388	1438
SF 100-3	8	115	2.91 - 12.80	103 - 452	75	100	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1388	1438
SF 100-3	10	150	2.58 - 11.00	92 - 389	75	100	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1388	1438
SF 100-3	13	190	2.09 - 9.53	74 - 337	75	100	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1388	1438
SDF 100-3	7.5	110	3.00 - 13.18	106 - 466	75	100	2.2	3.0	2043x1065x1950	2043x1065x1950	G 1½	1538	1588
SDF 100-3	8	115	2.91 - 12.80	103 - 452	75	100	2.2	3.0	2043x1065x1950	2043x1065x1950	G 1½	1538	1588
SDF 100-3	10	150	2.58 - 11.00	92 - 389	75	100	2.2	3.0	2043x1065x1950	2043x1065x1950	G 1½	1538	1588
SDF 100-3	13	190	2.09 - 9.53	74 - 337	75	100	2.2	3.0	2043x1065x1950	2043x1065x1950	G 1½	1538	1588
S 101-3	7.5	110	14.32	506	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2047	2107
S 101-3	8	115	13.90	491	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2047	2107
S 101-3	10	150	12.05	426	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2047	2107
S 101-3	13	190	11.10	392	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2047	2107
SD 101-3	7.5	110	14.32	506	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2213	2273
SD 101-3	8	115	13.90	491	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2213	2273
SD 101-3	10	150	12.05	426	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2213	2273
SD 101-3	13	190	11.10	392	75	100	2.2	3.0	2366x1315x1760	2366x1315x2255	G 2½	2213	2273
S 125-3	7.5	110	16.22	573	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2067	2127
S 125-3	8	115	15.75	557	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2067	2127
S 125-3	10	150	14.25	504	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2067	2127
S 125-3	13	190	11.80	417	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2067	2127
SD 125-3	7.5	110	16.22	573	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2233	2293
SD 125-3	8	115	15.75	557	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2233	2293
SD 125-3	10	150	14.25	504	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2233	2293
SD 125-3	13	190	11.80	417	90	125	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2233	2293
S 150-3	7.5	110	18.99	671	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2132	2192
S 150-3	8	115	18.44	652	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2132	2192
S 150-3	10	150	16.25	574	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2132	2192
S 150-3	13	190	14.25	504	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2132	2192
SD 150-3	7.5	110	18.99	671	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2298	2358
SD 150-3	8	115	18.44	652	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2298	2358
SD 150-3	10	150	16.25	574	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2298	2358
SD 150-3	13	190	14.25	504	110	150	4.0	5.5	2366x1315x1760	2366x1315x2255	G 2½	2298	2358
SF 150-3	7.5	110	4.78 - 19.00	169-671	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2200	2260
SF 150-3	8	115	4.64 - 18.44	164 - 652	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2200	2260
SF 150-3	10	150	4.27 - 16.25	151 - 574	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2200	2260
SF 150-3	13	190	2.97 - 14.25	105 - 504	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2200	2260
SDF 150-3	7.5	110	4.78 - 19.00	169-671	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2366	2426
SDF 150-3	8	115	4.64 - 18.44	164 - 652	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2366	2426
SDF 150-3	10	150	4.27 - 16.25	151 - 574	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2366	2426
SDF 150-3	13	190	2.97 - 14.25	105 - 504	110	150	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2366	2426

\* 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 64 dB(A) according to DIN EN ISO 2151:2009

\*\*Max. pressure of the compressor, the 7.5 bar indications are to be provided as reference values. The machines are shipped standard in 8 bar.

<sup>1)</sup> super-silenced on the intake side <sup>2)</sup> super-silenced on the intake and on the exhaust air side

# Efficiency on a large scale:

## The **BOGE SLF**.



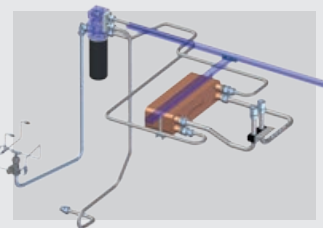
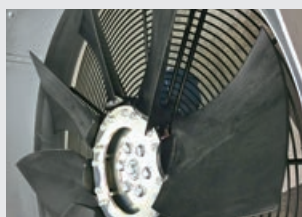
Effective FAD: 1.19 – 35.74 m<sup>3</sup>/min, 43 – 1262 cfm

Pressure range: 7.5 – 13 bar, 110 – 190 psig

Rated power: 22 – 200 kW, 30 – 270 HP



**Frequency control drive  
and cooling fan +  
integrated heat recovery:**  
Your extra bonus in efficiency.



### **ABSOLUTELY DEMAND-ORIENTED**

The frequency converter is primarily integrated to control motor and airtend speeds in order to produce the momentary air demand requirement at the required pressure.

### **MAXIMUM EFFICIENCY**

Frequency control is ideal where shift/production patterns create a fluctuating demand for compressed air or where there is a small storage volume or in a multiple installation for peak load operation. Built in frequency control continuously adjusts the volume flow to the actual demand ensuring minimised idling times and pressure fluctuations providing an energy efficient solution.

### **INTELLIGENT FAN CONTROL**

From the S 61-3 up we offer variable cooling air flow via frequency-controlled fan as an option. It ensures that it only ever works as hard as necessary. These machines achieve a significant efficiency advantage.

### **HIGH EFFICIENCY**

The centrepiece of the integrated DUOTHERM BPT heat exchanger is a plate heat exchanger through which passes hot oil around +85°C from the oil circuit. The counter-flow water passing through the heat exchanger is heated up to around +70°C – and can then be used as heating or production water.

**Operating within the specific optimal range:** In combination with the direct drive and frequency control, the SLF machines provide an extremely flexible system that adapts spontaneously to changes in the compressed air demand. If the pressure value changes, the air delivery is also synchronised automatically! This means that the machine supplies only the precise amount of compressed air that is actually needed at the time.

BOGE Model***	Max. pressure**		Effective free air delivery*		Motor power				Dimensions <sup>1)</sup>	Dimensions <sup>2)</sup>	Compressed air outlet	Weight silenced kg	Weight super silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	Main drive		Fan motor		silenced WxDxH	super silenced WxDxH			
					kW	HP	kW	HP	mm	mm			
SLF 30-3	7.5	110	1.25 - 3.94	45 - 140	22	30	0.75	1.0	1830x966x1450	–	G 1¼	775	–
SLF 30-3	8	115	1.20 - 3.87	43 - 137	22	30	0.75	1.0	1830x966x1450	–	G 1¼	775	–
SLF 30-3	10	150	on request	on request	22	30	0.75	1.0	1830x966x1450	–	G 1¼	775	–
SLF 30-3	13	190	on request	on request	22	30	0.75	1.0	1830x966x1450	–	G 1¼	775	–
SLDF 30-3	7.5	110	1.25 - 3.94	45 - 140	22	30	0.75	1.0	1830x966x1730	–	G 1¼	899	–
SLDF 30-3	8	115	1.20 - 3.87	43 - 137	22	30	0.75	1.0	1830x966x1730	–	G 1¼	899	–
SLDF 30-3	10	150	on request	on request	22	30	0.75	1.0	1830x966x1730	–	G 1¼	899	–
SLDF 30-3	13	190	on request	on request	22	30	0.75	1.0	1830x966x1730	–	G 1¼	899	–
SLF 40-3	7.5	110	1.30 - 5.48	46 - 194	30	40	0.75	1.0	1830x966x1450	–	G 1¼	845	–
SLF 40-3	8	115	1.30 - 5.31	46 - 188	30	40	0.75	1.0	1830x966x1450	–	G 1¼	845	–
SLF 40-3	10	150	1.30 - 4.75	46 - 168	30	40	0.75	1.0	1830x966x1450	–	G 1¼	845	–
SLF 40-3	13	190	1.26 - 4.21	45 - 149	30	40	0.75	1.0	1830x966x1450	–	G 1¼	845	–
SLDF 40-3	7.5	110	1.30 - 5.48	46 - 194	30	40	0.75	1.0	1830x966x1730	–	G 1¼	1055	–
SLDF 40-3	8	115	1.30 - 5.31	46 - 188	30	40	0.75	1.0	1830x966x1730	–	G 1¼	1055	–
SLDF 40-3	10	150	1.30 - 4.75	46 - 168	30	40	0.75	1.0	1830x966x1730	–	G 1¼	1055	–
SLDF 40-3	13	190	1.26 - 4.21	45 - 149	30	40	0.75	1.0	1830x966x1730	–	G 1¼	1055	–
SLF 40-3 BLUEKAT	7.5	110	1.30 - 5.48	46 - 194	30	40	0.75	1.0	2470x966x1450	–	G 1¼	1171	–
SLF 40-3 BLUEKAT	8	115	1.30 - 5.31	46 - 188	30	40	0.75	1.0	2470x966x1450	–	G 1¼	1171	–
SLF 40-3 BLUEKAT	10	150	1.30 - 4.75	46 - 168	30	40	0.75	1.0	2470x966x1450	–	G 1¼	1171	–
SLF 40-3 BLUEKAT	13	190	1.26 - 4.01	45 - 149	30	40	0.75	1.0	2470x966x1450	–	G 1¼	1171	–
SLF 51-3	7.5	110	2.35 - 7.35	83 - 260	37	50	1.1	1.5	2043x1065x1455	2043x1065x1950	G 1½	1250	1300
SLF 51-3	8	115	2.30 - 7.16	82 - 253	37	50	1.1	1.5	2043x1065x1455	2043x1065x1950	G 1½	1250	1300
SLF 51-3	10	150	2.25 - 6.43	80 - 228	37	50	1.1	1.5	2043x1065x1455	2043x1065x1950	G 1½	1250	1300
SLF 51-3	13	190	2.12 - 5.12	75 - 181	37	50	1.1	1.5	2043x1065x1455	2043x1065x1950	G 1½	1250	1300
SLF 61-3	7.5	110	2.40 - 8.19	85 - 290	45	60	1.5	2.0	2043x1065x1455	2043x1065x1950	G 1½	1380	1430
SLF 61-3	8	115	2.40 - 7.90	85 - 279	45	60	1.5	2.0	2043x1065x1455	2043x1065x1950	G 1½	1380	1430
SLF 61-3	10	150	2.30 - 7.00	82 - 248	45	60	1.5	2.0	2043x1065x1455	2043x1065x1950	G 1½	1380	1430
SLF 61-3	13	190	2.14 - 5.78	76 - 205	45	60	1.5	2.0	2043x1065x1455	2043x1065x1950	G 1½	1380	1430
SLF 75-3	7.5	110	2.25 - 9.80	80 - 347	55	75	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1498	1548
SLF 75-3	8	115	2.20 - 9.60	78 - 339	55	75	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1498	1548
SLF 75-3	10	150	2.10 - 8.50	75 - 301	55	75	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1498	1548
SLF 75-3	13	190	2.18 - 7.26	77 - 257	55	75	2.2	3.0	2043x1065x1455	2043x1065x1950	G 1½	1498	1548
SLF 101-3	7.5	110	5.10 - 14.19	181 - 502	75	100	3.0	4.0	2414x1315x1760	2414x1315x2255	G 2½	2112	2172
SLF 101-3	8	115	5.10 - 13.96	181 - 493	75	100	3.0	4.0	2414x1315x1760	2414x1315x2255	G 2½	2112	2172
SLF 101-3	10	150	4.94 - 12.25	175 - 433	75	100	3.0	4.0	2414x1315x1760	2414x1315x2255	G 2½	2112	2172
SLF 101-3	13	190	3.68 - 10.69	130 - 378	75	100	3.0	4.0	2414x1315x1760	2414x1315x2255	G 2½	2112	2172
SLF 125-3	7.5	110	4.96 - 16.01	176 - 566	90	125	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2162	2222
SLF 125-3	8	115	4.98 - 15.70	176 - 555	90	125	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2162	2222
SLF 125-3	10	150	4.93 - 14.93	175 - 528	90	125	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2162	2222
SLF 125-3	13	190	4.79 - 12.80	170 - 452	90	125	4.0	5.5	2414x1315x1760	2414x1315x2255	G 2½	2162	2222
SLF 221	7.5	110	6.65 - 29.06	235 - 1026	160	220	4.0	5.5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600
SLF 221	8	115	6.46 - 28.21	228 - 996	160	220	4.0	5.5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600
SLF 221	10	150	6.18 - 25.06	218 - 885	160	220	4.0	5.5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600
SLF 221	13	190	5.46 - 20.36	193 - 719	160	220	4.0	5.5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600
SLF 271	7.5	110	6.65 - 35.74	235 - 1262	200	270	7.5	10.0	3145x1910x2145	3145x1910x2645	DN 100	4700	4800
SLF 271	8	115	6.46 - 34.70	228 - 1225	200	270	7.5	10.0	3145x1910x2145	3145x1910x2645	DN 100	4700	4800
SLF 271	10	150	6.18 - 30.50	218 - 1077	200	270	7.5	10.0	3145x1910x2145	3145x1910x2645	DN 100	4700	4800
SLF 271	13	190	5.46 - 24.70	193 - 872	200	270	7.5	10.0	3145x1910x2145	3145x1910x2645	DN 100	4700	4800

\* 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 64 dB(A) according to DIN EN ISO 2151:2009

\*\* Max. pressure of the compressor, the 7.5 bar indications are to be provided as reference values. The machines are shipped standard in 8 bar.

\*\*\* The SLF 221 and 271 machines belong to the S-2 series

<sup>1)</sup>super-silenced on the intake side <sup>2)</sup>super-silenced on the intake and on the exhaust air side

**The new premium airend from BOGE: BOGE effilence is the most efficient airend ever employed by BOGE. Its name stands for two of its hallmarks: efficient compression (efficiency) and incomparably quiet operation (silence). This wholly BOGE developed and built airend will guarantee highest standard state-of-the-art technology: take advantage now of a new level of efficiency!**



## BOGE effilence: The design benefits.

### Extremely small blow hole

The very small radius of the secondary rotor teeth means that the blow hole is very small, thus ensuring high efficiency.

### Axial suction

An axial suction that has been calculated with flow simulation software takes place right from the BS 102: for maximum intake and therefore higher volumetric efficiency.

### Circumferential speeds

The speed design point has been optimised and is clearly lower when compared to previous stages. As a result, efficiency losses caused by splashing are reduced. The stages do not only offer a quieter operation, but also increased running-life, as the bearing service life depends on the size as well as on the rotations performed.

### Very small manufacturing tolerances

Due to the low tolerances the stage has a long service life, is efficient and quiet. Efficiency losses through gap and blow hole are minimized; the rattling noise through backlash, particularly during no-load times, do not occur any more.

### Flow-optimized outlet shape

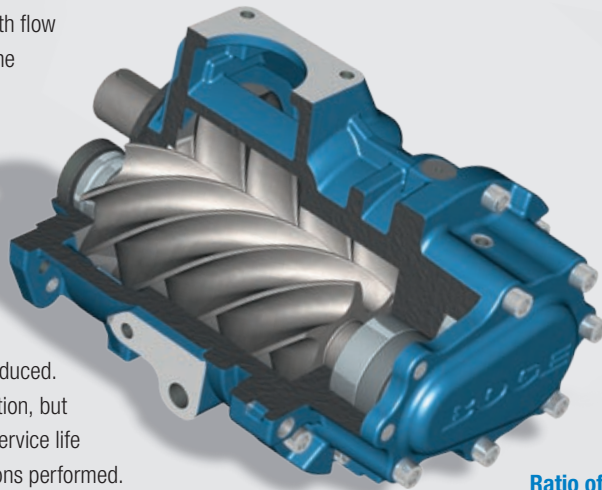
The design is optimised for outlet pressures from 8 to 9 bar. This prevents overcompression and backflow that causes high losses.

### Large bearings

The high-quality bearings have been selected in the largest possible size. This leads to a calculated service life twice as long as previous models.

### 5:6 profile

The 5:6 screw profile of the rotors developed by BOGE (5 teeth primary rotor, 6 teeth secondary rotor) ensures low differential pressure between the chambers and therefore only minimal flow rate losses. Due to the innovative profile geometry with low leakage between the rotors, the blow hole is extremely small, ensuring a high volumetric efficiency.



### Ratio of rotor length to rotor diameter

The rotor profile is optimally designed to achieve the ideal ratio of internal compression combined with the minimum rotor deflection.

### Oil injection

The oil injection is designed for an optimum cooling effect and minimum splash losses.

### BOGE Compressed Air Systems & Co. KG

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# Unbeaten Durability: BOGE SL Series.



**Low maintenance thanks to direct drive:** the most efficient way to produce compressed air!



## TOUGH PERFORMER

Where other compressors buckle under stress, BOGE's SL screw compressors deliver top performance: Even in very dusty environments (e.g. in the cement industry or in mining), the direct drive stays the course and achieves maximum annual operating hours in 24/7 operation.

## HARD TO STOP

As SL screw compressors operate without belts or gears, maintenance costs are reduced. This is not only good for the budget, but also reduces downtime. And when it comes to durability and operating reliability, the SL series boasts top values.

## EASY TO CONTROL

For the SL series, the new modular FOCUS 2.0 control makes its debut: This most advanced control system within the industry not only spoils users with an intuitive user interface. In addition to efficiency displays and the BOGE leakage monitor, it even offers RFID access for the first time.

## CLEARLY SUPERIOR

Long maintenance intervals are not the only design benefit of the SL series: Thanks to the particularly low power consumption of the drive motor, these compressors score with phenomenal efficiency values. In line with market requirements, the standard design is set to 7.5 bar.

**Completely immune to dust:** With their direct drive, screw compressors in the BOGE SL series are ideal for applications under difficult conditions. The wear-free, low-maintenance power transmission guarantees optimum values in terms of efficiency and economic viability, as transmission losses are excluded with this method of compressed air generation! For those who demand the highest standards of efficiency, durability and operating reliability, there is no better option than these models.

**BOGE Compressed Air Systems  
GmbH & Co. KG**

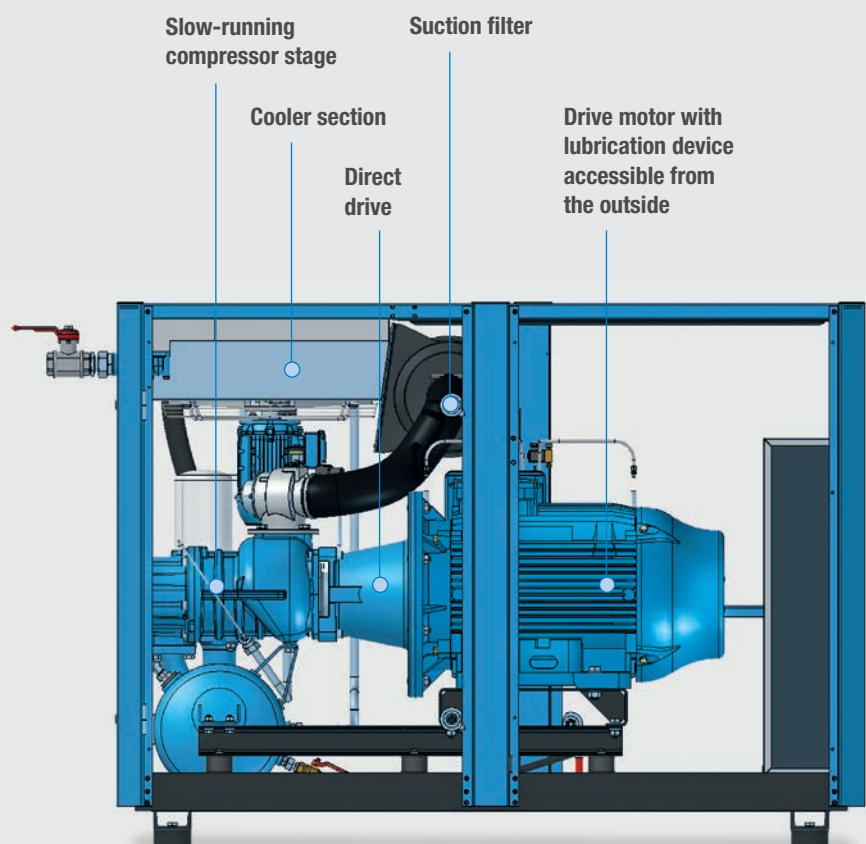
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 Fax +49 5206 601-200  
 info@boge.com · [www.boge.com](http://www.boge.com)

## HOW IT WORKS

Atmospheric air is taken in through the supply air filtration system of the compressor housing and the suction filter and routed to a particularly slowly rotating compressor stage, which always operates at the optimum design point – ensuring particularly efficient compressed air generation without transmission losses.



Ideal as an efficient base-load compressor, such as when 24/7 operation is required in an environment with a particularly high dust load.



## BOGE SL SERIES AT A GLANCE

BOGE Type	Maximum pressure		Effective free air delivery*		Main drive		Fan motor		Dimensions W x D x H	
	bar	psig	m <sup>3</sup> /min	cfm	kW	PS	kW	PS	mm	
SL 31-3	7.5	109	3.87	137	22	30	0.75	1	1880 x 990 x 1450	
SL 75-3	7.5	109	8.75	309	55	75	2.2	3	2050 x 1450 x 1950	
SL 101-3	7.5	109	14.19	501	75	100	2.2	3	2420 x 1320 x 1770	

\* Free air delivery of the overall system according to ISO 1217, appendix C, at an ambient temperature of 20°C and the pressure concerned.

Please also see our SL models SL 270, SL 340, SL 341, SL 431 and SL 481.



# The BOGE SG Range

## Happy to work non-stop.



Extremely low maintenance  
and a long life thanks to new  
geared airend!



### READY FOR ANYTHING

No matter where, no matter for how long: the new SG screw compressors made by BOGE make no demands regarding operating conditions or duty cycles. The integrated gears guarantee practically wear-free operation, even in continuous operation and in particularly dusty environments.



### TO SATISFY THE HIGHEST DEMANDS

Since SG screw compressors manage without a belt drive, there is no need for V-belt maintenance. This is not only good for the budget, but also increases availability. With regard to economic efficiency, durability and operational reliability, the SG range meets even the highest demands.



### FOR QUICK CONTROL

The SG range uses the new modular **focus control 2.0\*** system: this is the most advanced control system within the industry. Its intuitive user interface makes life particularly easy for users. And in addition to an efficiency display and the BOGE leakage monitor, it now even offers RFID access for the first time.



### FOR MORE EFFICIENCY

Long maintenance intervals are not the only design benefit of the SG series: The low-loss integrated gears allow the compressor to work at the optimal operating point at all times. This means that the compressor can always adapt perfectly to the currently required pressure and air delivery.

\* optionally. Delivered as standard with FOCUS control.

**Undemanding in operation:** The combination of direct drive and integrated gears makes the BOGE SG range of screw compressors fit for every type of application. **The best:** The wear-free, low-maintenance power transmission makes particularly long maintenance intervals possible! Reliability and economic efficiency form an ideal (long-term) combination.

**BOGE KOMPRESSOREN**
**Otto Boge GmbH & Co. KG**

P. O. Box 10 07 13 · 33507 Bielefeld

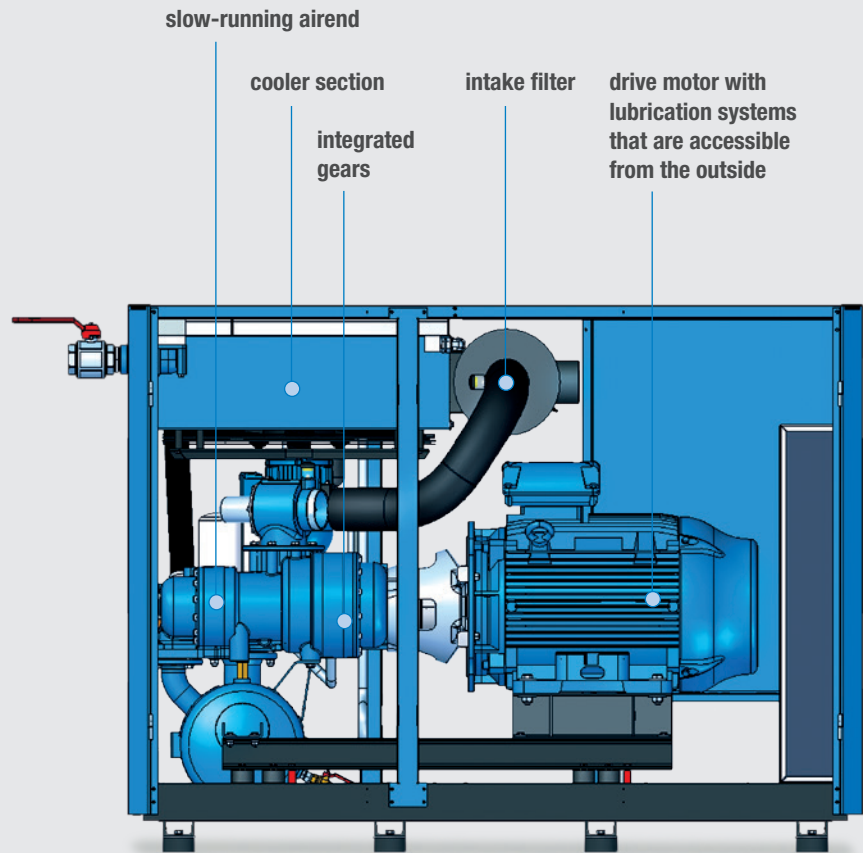
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**HOW IT WORKS**

Atmospheric air is taken in through the supply air filtration system of the compressor housing and the suction filter and routed to a particularly slowly rotating compressor stage, which always operates at the optimum design point – ensuring particularly efficient compressed air generation without transmission losses.


**THE BOGE SG SERIES AT A GLANCE**

BOGE Type	Maximum pressure**		Efficiency Free air delivery*		Main drive		Fan motor		Dimensions W x D x H mm	Weight kg
	bar	psi	m³/min	cfm	kW	hp	kW	hp		
SG 101-3	7,5	109	13,8	487	75	100	2,2	3,0	2400 x 1370 x 1760	2200
SG 101-3	10	145	11,7	413	75	100	2,2	3,0	2400 x 1370 x 1760	2200
SG 101-3	13	189	10,9	385	75	100	2,2	3,0	2400 x 1370 x 1760	2200
SG 125-3	7,5	109	15,6	551	90	125	4,0	5,0	2400 x 1370 x 1760	2300
SG 125-3	10	145	14,1	498	90	125	4,0	5,0	2400 x 1370 x 1760	2300
SG 125-3	13	189	11,5	406	90	125	4,0	5,0	2400 x 1370 x 1760	2300
SG 150-3	7,5	109	18,4	650	110	150	4,0	5,0	2400 x 1370 x 1760	2600
SG 150-3	10	145	16,3	576	110	150	4,0	5,0	2400 x 1370 x 1760	2600
SG 150-3	13	189	14,3	505	110	150	4,0	5,0	2400 x 1370 x 1760	2600

\* Free air delivery of the overall system according to ISO 1217, Annex C, at an ambient temperature of 20°C and the respective pressure.

\*\* Maximum pressure of the compressor

BOGE AIR. THE AIR TO WORK.



# SCREW COMPRESSORS

OIL-FREE



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.**

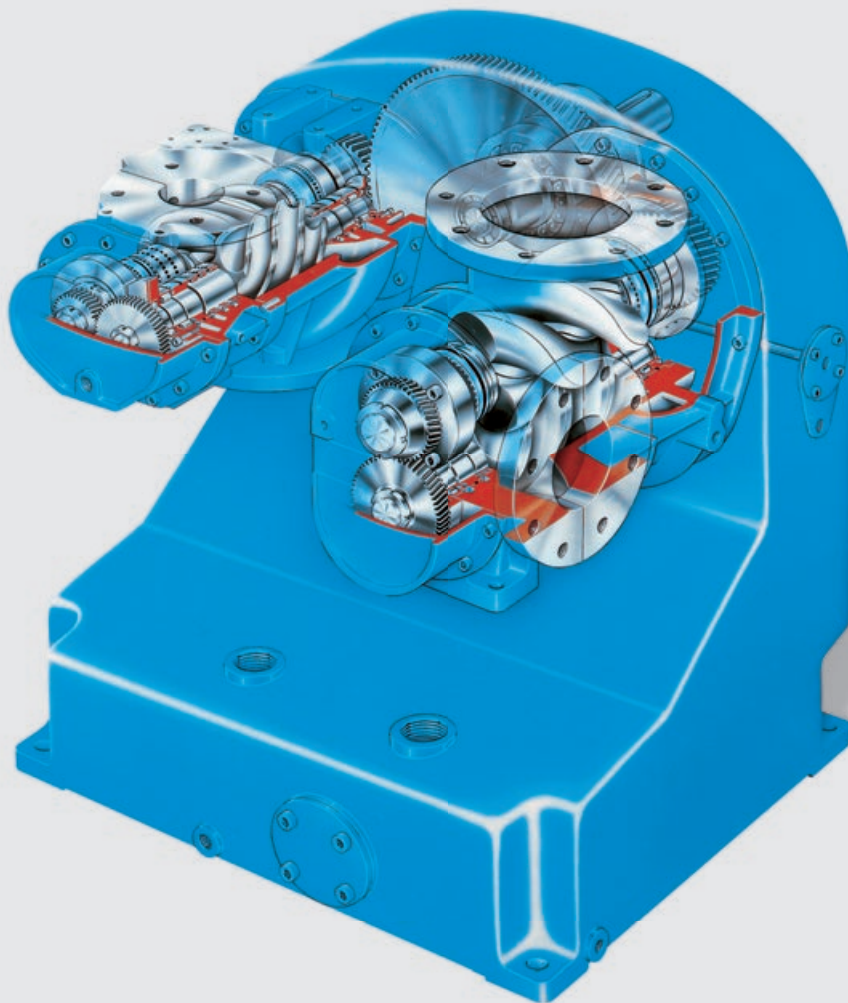
BOGE oil-free screw compressors have long since proved their importance to compressed air users in critical applications such as pharmaceutical, food and semiconductor industries where absolutely oil-free compressed air is prerequisite.

With a BOGE oil-free screw there is no chance that oil can penetrate the compression process that means oil free air from the start. Oil-free air means less expensive downstream air treatment and moreover these compressors have been engineered for the safe and reliable generation of large quantities of oil-free air, energy efficiently, in base load or intermittent mode.

## **CONTENTS**

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# Clean and efficient compressed air: With BOGE screw compressors.



## SOPHISTICATED TECHNOLOGY

Using a two-stage airend ensures very low specific power consumption. There are direct drive or belt drive options with frequency control as an option on all machines.

The shafts are sealed by a combination of special sealing rings and a two-stage labyrinth

vented to atmosphere. This system ensures optimum operational reliability. The precision rotors are finished with a durable coating that prevents corrosion.

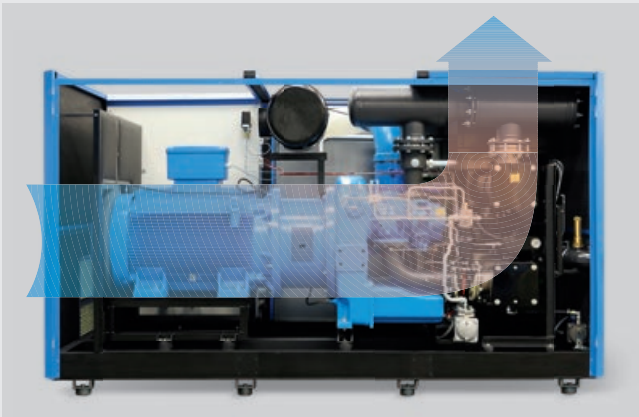
The amply dimensioned airend roller bearings are of the highest quality and very durable giving

the most reliable service life even in the most demanding operational conditions.

These special bearings eliminate the need for other more traditional means of axial thrust compensation.

**Clean air from the start:** BOGE oil-free screws operate at much higher speeds than oil-injected counterparts and the heat of compression is therefore dissipated differently. The special BOGE airend and the cooling concept are the centrepiece of the design. Both components have been designed to provide utmost safety and maximum efficiency – ideally suited for sensitive fields of application.

## SOPHISTICATED CONCEPT



### EFFICIENT COOLING AIR CIRCULATION

BOGE oil-free screw compressors are divided into three clearly defined sections. The component parts are intelligently positioned along the cooling air flow – for increased service life and prompt availability of compressed air. Control electronics, electrical components and motor are located in the coolest part of the machine.

Both airend stages are easily accessible. Because a separate cooling air fan is fitted as standard an optional cowl cooler can be mounted directly on the compressor. As the discharge air is cooled, no additional discharge ducting is required which means the compressor can be installed according to individual requirements



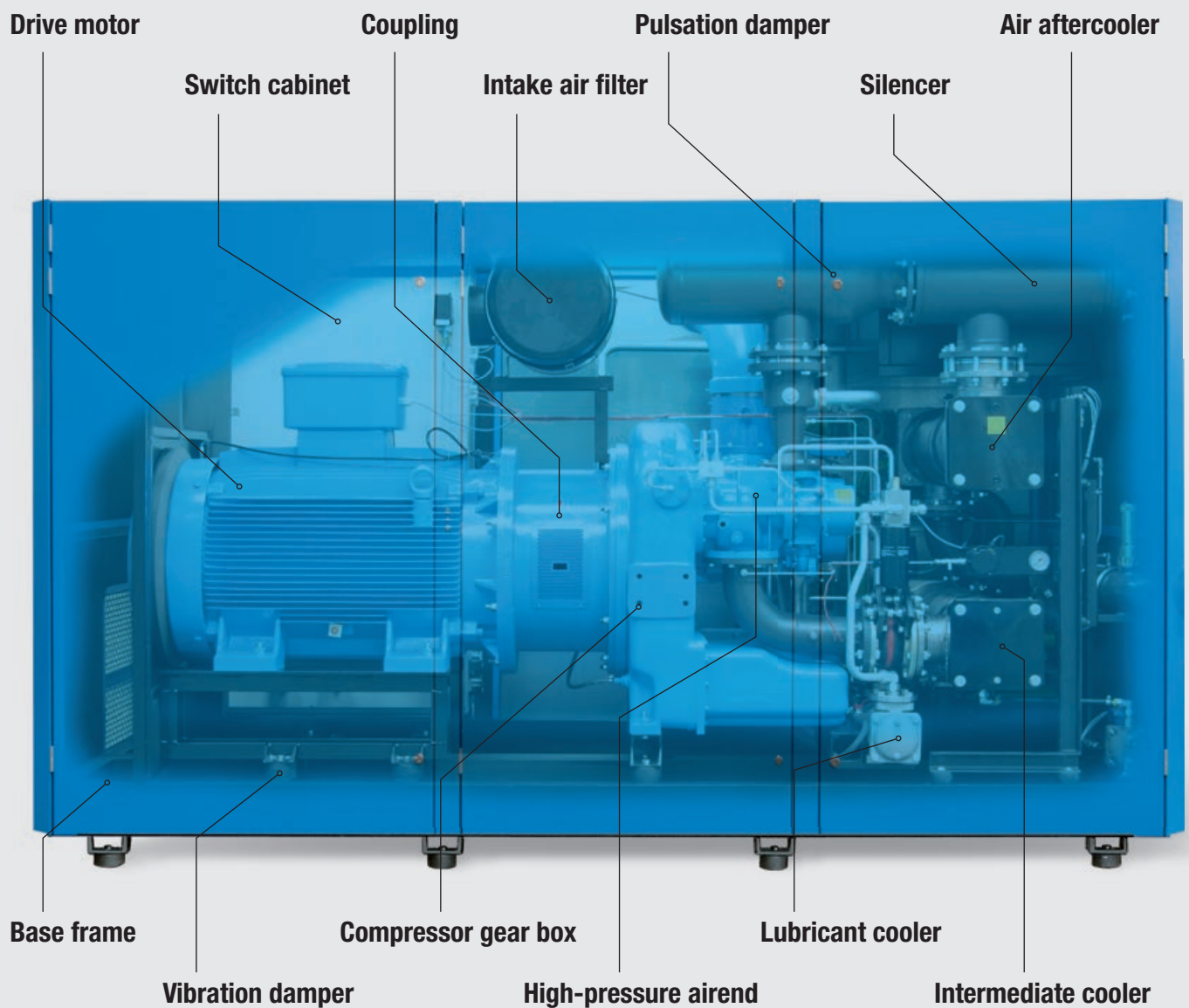
### RELIABLE COOLING CONCEPT

BOGE oil-free screws are available air or water-cooled. A tube in shell principal is used for water cooling. Water flows through the pipes and the compressed air around them, which means that the “dirty” medium passes through the pipes – this facilitates easy maintenance and cleaning. The use of ribbed pipes on the compressed air side and plain pipes on the water-side ensure a high degree of efficiency. Flanged pipes also ensure the replacement of the cooling module without having to remove a single component whereas easily extractable pipe bundles make cleaning in mounted condition simpler than ever. The coolant can be treated to achieve the necessary water quality if required. Where no cooling water is available BOGE can supply a chilling system. Air cooling is possible in many applications which means that a cooling water supply and the associated costs can be totally eliminated.

# The safe way to generate oil-free compressed air:

## Design advantages of the SO series.

### INTELLIGENT DESIGN

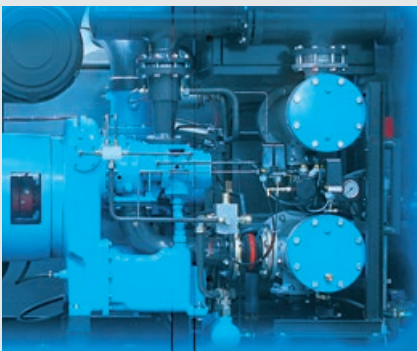


(Example shows water cooled system)



**Precise engineering for clean results:** The SO series is characterised by its intelligent design, innovative functional principle and high quality workmanship. Its dependable quality and high efficiency ensure safe and cost effective generation of oil-free compressed air. Air or water-cooled, fixed or variable speed options are available to suit most every site condition.

## CONVINCING ADVANTAGES



### HIGH QUALITY AND MAINTENANCE FRIENDLY DESIGN

Ease of maintenance was one of the crucial design factors when developing the SO series. All component parts are easily accessible which facilitates prompt and hassle free maintenance. The use of high quality materials and the reduced number of wear parts make the BOGE oil-free screw compressors as efficient and reliable as any demanding customer would expect. The entire production process is subject to permanent quality assurance and is closely monitored by an experienced quality team – from receiving inspection of purchased parts to final inspection and testing.



### FREQUENCY CONTROL (OPTIONAL FEATURE)

The SO series is available with frequency control as an option. It is designed to optimise demand fluctuations enabling a particularly energy efficient operation. The frequency converter is supplied either separately or integrated into the switch cabinet. Part load regulation is then achieved by dynamic speed change. Frequency controlled screw compressors are intended for use as stand-alone machines or ideally suited when covering peak loads in multiple compressor systems with high oil-free compressed air demands.



### PRIME COMPRESSOR CONTROL

The PRIME control is the latest state-of-the-art energy efficient controller to come from BOGE. A large-scale back-lit LC display with clear text information shows error/maintenance messages, operating status and all operating parameters on three main menus. Volume flow and pressure characteristics are graphically displayed and freely scalable. The modular design means optional displays – e.g. pressure dew point – can be easily added. The PRIME is fitted with an integral real-time clock and a switch clock function making it possible to control external equipment. Communication is effected via RS 485 interfaces or potential-free contacts.

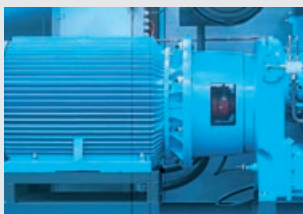
# SO 61 to SO 126 Oil-free screw compressors (air or water cooled)



Free air delivery: 5.25 – 13.01 m<sup>3</sup>/min, 185 – 459 cfm  
Pressure range: 8 – 10 bar, 115 – 150 psig  
Motor range: 45 – 90 kW, 60 – 125 HP



SO 126



## MOTOR

These models are equipped with a three-phase asynchronous motor, ISO class F with additional motor reserves to meet the most challenging operating conditions. The motor is installed in the cool air intake section of the package and is thermistor protected to ensure a long service life.



## WATER COOLING

Where large volumes of air are required water-cooling is a must. The intelligent BOGE cooling concept guarantees safe and economical cooling of the compressor with optimum maintenance friendliness.



## EXHAUST AIR COOLING

As an option the SO series can be equipped with a cowl cooler eliminating the need for expensive exhaust air ducts.



## PRIME CONTROL

The PRIME control is the latest state-of-the-art energy efficient controller to come from BOGE. A large-scale back-lit LC display with clear text information shows error/maintenance messages, operating status and all operating parameters on three main menus.

**Oil-free compressed air with efficiency guarantee:** This range economically and reliably produces oil-free compressed air. Depending on site requirements they can be air or water cooled. 8 models with 16 variants synchronise the compressed air system to meet your demands.

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	Weight silenced kg	Weight super-silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	Main drive motor		Fan motor					
					kW	HP	kW	HP				
SO 61 A	8	115	6.65	235	45	60	4.80	6.50	2957x1310x1886	3769x1310x2385	2654	2934
	10	150	5.25	185	45	60	4.80	6.50	2957x1310x1886	3769x1310x2385	2654	2934
SO 76 A	8	115	8.86	313	55	75	4.80	6.50	2957x1310x1886	3769x1310x2385	2804	3084
	10	150	7.70	272	55	75	4.80	6.50	2957x1310x1886	3769x1310x2385	2804	3084
SO 101 A	8	115	12.06	426	75	100	4.80	6.50	2957x1310x1886	3769x1310x2385	2934	3214
	10	150	10.46	369	75	100	4.80	6.50	2957x1310x1886	3769x1310x2385	2934	3214
SO 126 A	8	115	13.01	459	90	125	4.80	6.50	2957x1310x1959	3769x1310x2459	3046	3326
	10	150	13.01	459	90	125	4.80	6.50	2957x1310x1959	3769x1310x2459	3046	3326
SO 61 W	8	115	6.65	235	45	60	0.55	0.75	2906x1310x1890	3312x1310x1890	2171	2201
	10	150	5.25	185	45	60	0.55	0.75	2906x1310x1890	3312x1310x1890	2171	2201
SO 76 W	8	115	8.86	313	55	75	0.55	0.75	2906x1310x1890	3312x1310x1890	2341	2371
	10	150	7.70	272	55	75	0.55	0.75	2906x1310x1890	3312x1310x1890	2341	2371
SO 101 W	8	115	12.06	426	75	100	0.55	0.75	2906x1310x1890	3312x1310x1890	2511	2541
	10	150	10.46	369	75	100	0.55	0.75	2906x1310x1890	3312x1310x1890	2511	2541
SO 126 W	8	115	13.01	459	90	125	0.55	0.75	2906x1310x1890	3312x1310x1890	2561	2591
	10	150	13.01	459	90	125	0.55	0.75	2906x1310x1890	3312x1310x1890	2561	2591

\* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound level as per PN8NTC2.3 from 76 dB(A)  
The technical data is designed for international use: maximum ambient temperature + 40°C, maximum cooling water temperature + 40°C.  
Different demands on request. Dimensions and construction are subject to change.

# SO 150-2 to SO 480-2 – water cooled oil-free screw compressors



Free air delivery: 16.20 – 51.49 m<sup>3</sup>/min, 572 – 1818 cfm  
Pressure range: 8 – 10 bar, 115 – 150 psig  
Motor range: 110 – 355 kW, 150 – 480 HP



SO 220-2



## EXTREMELY QUIET

The SO-2 machines are equipped with a combined sound and pulsation absorber. Because of its intelligent design and the use of powerful sound absorbing materials the entire range operates quieter than ever before.

## HIGHEST EFFICIENCY

The cooling air flow of the SO-2 machines has been substantially optimised. The air intake from the coolest area and the minimisation of pressure losses additionally increase the free air delivery with a low specific power consumption.

## SAFE AND SERVICE FRIENDLY

Particular importance was given to optimise accessibility of maintenance intensive components (e.g. cooler and oil cooler) during the design of the SO-2 machines. An additional separator was integrated to improve intermediate separation – for absolutely safe operation.

## FLEXIBLY CONNECTING

The raised position of the compressed air outlet does not require any risers and allows for problem free connection of additional components: e.g. external aftercooler, cyclone separator, filters and dryers.

**Oil-free compressed air at the highest level:** The SO-2 generation of oil-free screw compressors sets new standards in the 110 and 355 kW performance class. High FADs, low specific power consumption, extremely quiet operation along with the service friendly design are the benchmarks of this series – for oil-free compressed air production at a superior level!

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	Weight silenced kg	Weight super-silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	Main drive motor		Fan motor					
					kW	HP	kW	HP				
SO 150-2 W	8	115	18.57	656	110	150	0.75	1.00	–	3230x1520x1820	–	3300
	10	150	16.20	572	110	150	0.75	1.00	–	3230x1520x1820	–	3300
SO 180-2 W	8	115	21.60	763	132	180	0.75	1.00	–	3230x1520x1820	–	3350
	10	150	19.60	692	132	180	0.75	1.00	–	3230x1520x1820	–	3350
SO 220-2 W	8	115	26.30	929	160	220	0.75	1.00	–	3230x1520x1820	–	3400
	10	150	23.20	819	160	220	0.75	1.00	–	3230x1520x1820	–	3400
SO 269-2 W	10	150	26.18	925	200	270	0.75	1.00	–	3230x1520x1820	–	3600
SO 270-2 W	8	115	34.90	1232	200	270	1.10	1.50	–	3782x1800x2268	–	5600
	10	150	28.40	1002	200	270	1.10	1.50	–	3782x1800x2268	–	5600
SO 340-2 W	8	115	42.36	1496	250	340	1.10	1.50	–	3782x1800x2268	–	5800
	10	150	35.92	1268	250	340	1.10	1.50	–	3782x1800x2268	–	5800
SO 430-2 W	8	115	47.22	1668	315	430	1.10	1.50	–	3782x1800x2268	–	6000
	10	150	46.89	1656	315	430	1.10	1.50	–	3782x1800x2268	–	6000
SO 431-2 W	8	115	51.49	1818	315	430	1.10	1.50	–	3782x1800x2268	–	6000
SO 480-2 W	10	150	51.42	1816	355	480	1.10	1.50	–	3782x1800x2268	–	6600

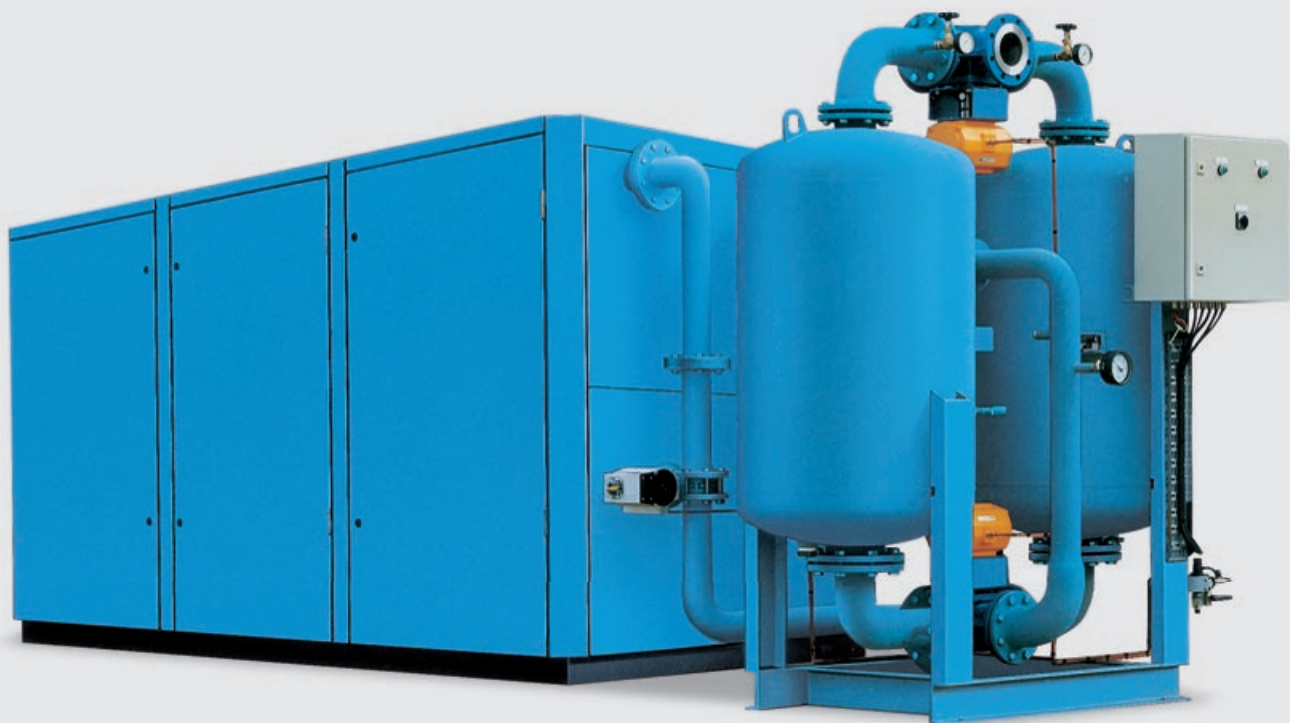
\* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound level as per PN8NTC2.3 from 76 dB(A)  
The technical data is designed for international use: maximum ambient temperature + 40°C, maximum cooling water temperature + 40°C.  
Different demands on request. Dimensions and construction are subject to change.

# There are many ways to dry compressed air. The most reliable and efficient ones come from us!

## FOUR OPTIONS, COUNTLESS ADVANTAGES

BOGE offers four systems for drying oil-free compressed air. After thorough analysis of your compressed air requirements and quality targets

our experts will be able to recommend the optimal solution to meet your needs whilst achieving the ideal cost-benefit ratio.



## OPTIMISE THE ENERGY FROM THE COMPRESSED AIR DRYER

All BOGE SO series compressors can be supplied with a Heat Of Compression (HOC) adsorption dryer to reach pressure dew points up to  $-40^{\circ}\text{C}$ . The heat recovered, via the intercoolers, provides all the necessary regeneration in a loss free cycle minimising the requirement of auxiliary power.

**Tell us your requirements, we provide the know-how:** The selection of a dryer depends on the required point of use compressed air quality. BOGE experts will ensure the most effective and most efficient dryer solution customised to meet your needs.



#### **REFRIGERANT COMPRESSED AIR DRYER**

The pressure dew point of the refrigerant compressed air dryer is +3°C (DIN ISO 7183). Providing that the system temperature never falls below +3°C and air quality meets the production requirement, then a refrigerant dryer is the ideal choice for compressed air treatment.



#### **HEATLESS ADSORPTION DRYER**

Heatless adsorption dryers for pressure dew points to -70°C are necessary when a higher compressed air quality is required. For the regeneration process heatless adsorption dryers require purge air which must be included when sizing the compressor.



#### **HEAT-REGENERATED ADSORPTION DRYERS**

Heat regenerated adsorption dryers with pressure dew points up to -70°C are more economical at higher flow capacities than the heatless type. Regeneration heat is supplied using ambient air heated by an external electrical heater and drawn in as vacuum regeneration.

# 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
- BOGE remote diagnostics tool airstatus

### 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.

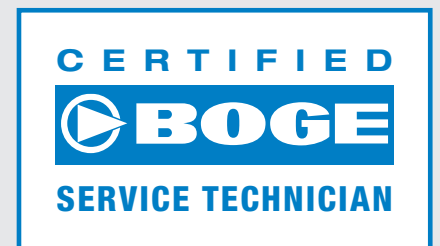
**Product Support Hotline:**  
**+49 5206 601-140**

**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 120 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



**BOGE KOMPRESSOREN**

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