

BOGE AIR. THE AIR TO WORK.



SCREW COMPRESSORS

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

Design advantages.

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

Integrated airend with special BOGE profile and HD bearing

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

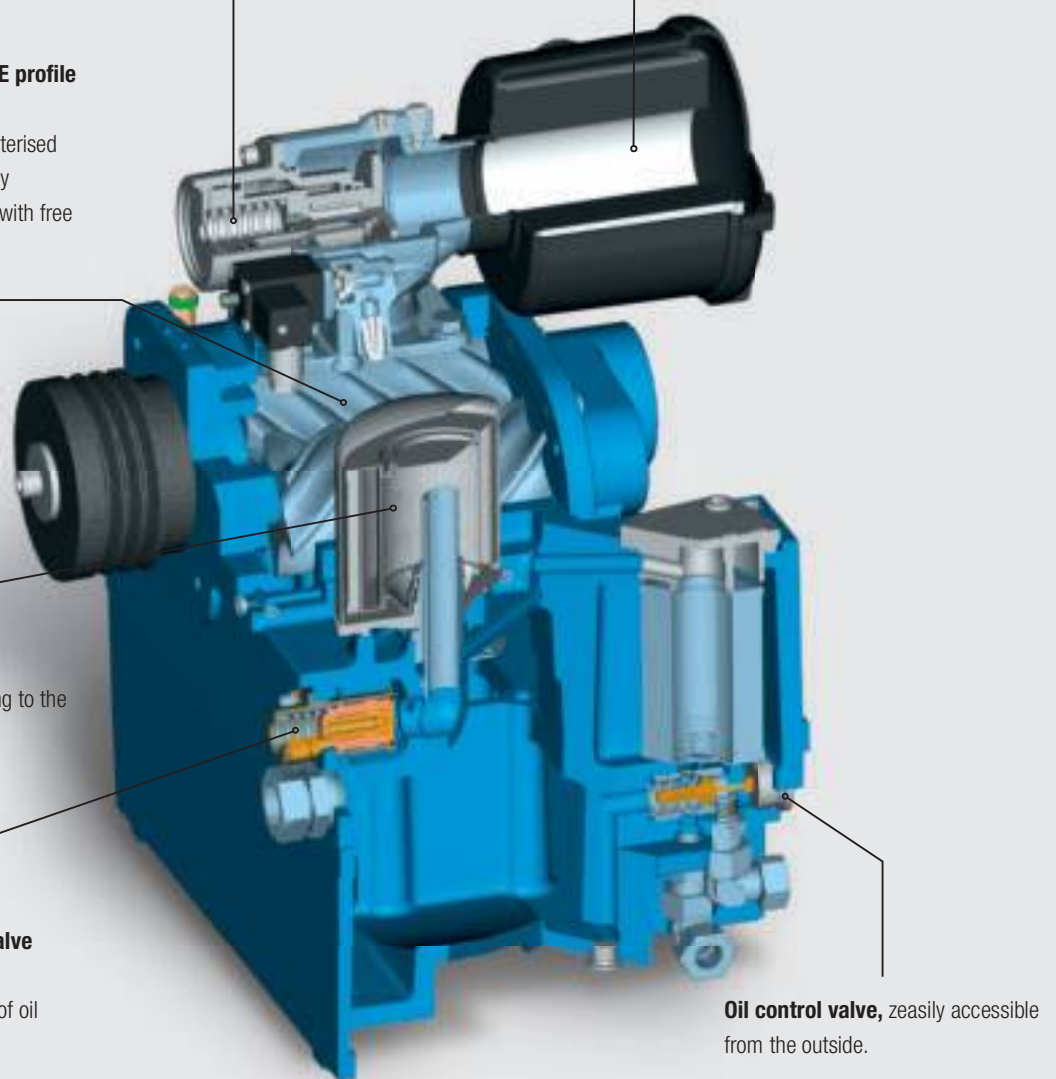
Effective **oil pre-separation** harnessing to the laws of gravity. Service friendly access.

Minimum pressure valve / check valve

Integrated design serves to eliminate pipework – virtually eliminates the risk of oil leakages.

Silenced paper cartridge intake filter

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



Oil control valve, zeasily accessible from the outside.

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



INTEGRATED DESIGN

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



COMPACT EFFICIENCY

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



CONTROL

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



OPTIONAL REFRIGERANT DRYER

The C series can be supplied with an integrated dryer or, with the CLD series and CD/CDF series, 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 (CLF-/CLDF series) 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 15** to **C 30**

Compressed air station **CD 15** to **CD 30**



Effective free air delivery:

1.35 – 3.62 m³/min, 47 – 127 cfm

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

Motor range: 11 – 22 kW, 15 – 30 HP



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 CD series screw compressors include an integrated refrigerant dryer for high quality compressed air. No additional footprint is required.



CONTROL

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

Real winners: The belt driven C series models up to 22 kW are highly efficient and extremely quiet in operation requiring only a minimum footprint. The footprint is even kept to a minimum with the CD series which includes an integrated refrigerant dryer.

An integrated design means short distances and extremely low pressure losses. As well as generating industry leading outputs, the C series is also very energy efficient.

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

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

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

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

** Max. pressure of the compressor