

The fully-installed compressed air system:

BOGE screw compressor C 3 LR 90

- HIGHEST EFFICIENCY
- COMPACT DESIGN
- EXTREMELY QUIET
- SIMPLE MAINTENANCE

Short distances and less piping thanks to internal tubing – just one of the conceptional advantages of the integrated compact compression modules which make the C series from BOGE particularly reliable and efficient. These screw compressors are fully fitted with a compressed air receiver and are your first point of call for continuous compressed air supply: it is easy to see how consistently the C series simplifies maintenance tasks, especially when limiting downtimes to an absolute minimum.



Most important characteristics:



BOGE COMPACT MODULE

The optimised rotor profile of the BOGE compact compressor with oil-injection cooling guarantees optimal operation and high energy efficiency thanks to its components. The intelligent design of the overall unit results in extremely low internal pressure losses and particularly smooth running.



BASE CONTROL MACHINE CONTROL

Switching to the most economical operating state and ensuring intrinsically safe running of the compressor is the job of the base control with its intelligent control and monitoring concept which comes as standard. Individual fault message displays, permanent temperature and pressure displays and compressor frost protection ex works are just some of the features.



PREMIUM EFFICIENCY

Long service lives thanks to the highly-efficient, maintenance-free direct drive with flexible coupling. The IE 3 drive motors are responsible for the optimised power consumption.



SIMPLE MAINTENANCE

The best way to keep maintenance and service costs can be seen in our components which are easy to access from the front of the device: one single service opening for both micro oil separator cartridge and high-performance oil filter means one thing – simple maintenance.

TECHNICAL DATA

Effective free air delivery of complete unit measured according to ISO 1217 Part C	0,234 m³/min
at maximum compressor overpressure	10,0 bar
Rated capacity of main drive motor	2,20 kW
Protection type / insulation class of the motor	IP 55 / F
Operating voltage (compressor)	400 V / 50 Hz
Control voltage (compressor)	24 V AC / 24 V DC
Cooling air flow volume (compressor)	600,00 m³/h
Suction or ambient temperature (min to max)	+5...+40 °C
Compressed air outlet temperature above ambient temperature (on compressor)	11 K
Residual oil content in compressed air	< 3 mg/m³
Receiver volume	90 l
Permissible maximum receiver pressure	11,0 bar

DIMENSIONS AND WEIGHT

silenced version (acc. to dimensional drawing):	M 3200.0837
Unit sound pressure level (in accordance with DIN EN ISO 2151)	61 dB(A)
Width	1185 mm
Depth	550 mm
Height	1010 mm
Compressed air connection (ball valve)	G ½
Weight	155,0 kg

RECEIVER

- BOGE are manufactured and galvanised as standard according to AD2000, preventing corrosion and ensuring a long working life.

Subject to technical modifications.

Optional accessories may be shown which are not part of this offer.

The identified performance values refer to compressors with standard features.

A sound basis: intuitive operation for perfect control: base control

Even the BOGE **base** control basic control unit offers – in addition to the basic functions of a compressor control unit – automatic frost protection and the BOGE leak monitor as standard. The main LC display shows operating variables and statuses – fully supported by clear, understandable symbols. All settings can be updated by entering the corresponding code. The power failure and auto-restart function after an outage can also be set. Optionally, isolated notifications (ready, mode, fault, idle) can also be made.



Most important characteristics:



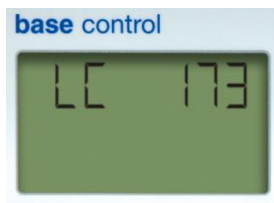
TRANSPARENT CONTROL

The control unit allows simple, reliable and clear management of all operating parameters on two levels. The main display shows the parameters network pressure, temperature, operating mode (Load run / idle) and the connection for the external control contact – output release.



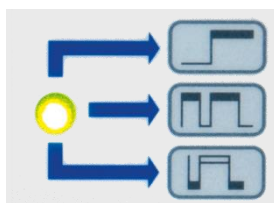
LEAK MONITOR INCLUDED

The control unit comes with a BOGE leak monitor as standard. During compressor idle periods, the BOGE leak monitor automatically measures the leakage in the compressed air network. As a result, drops in pressure can be detected and localised, and compressed air production can be optimised easily.



INTEGRATION AND SOFTWARE UPDATES

With the help of a ModBus Interface module, the control unit can be integrated into a higher-level control concept. The integrated test mode for the outputs permits simple troubleshooting. Software updates can be carried out via an adapter onsite, and the monitoring of operating hours is also possible via isolated warning and error messages.



NEEDS-BASED CONTROL AND MONITORING

The **base** control adapts to the specific needs of each local user and automatically selects the most efficient operating mode ensuring optimised motor switching. Network pressure and follow-up time brackets the short time operation) are adjustable via the keypad.

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