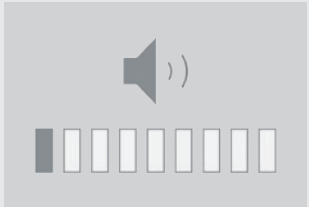
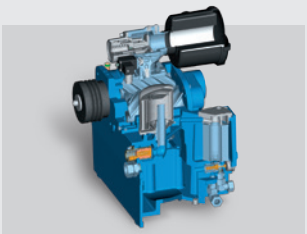
BOGE AIR. THE AIR TO WORK.

BOGE COMPRESSED AIR SYSTEMS

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 compressorsincludes 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.

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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	Weight
	bar	psig	m³/min	cfm	kW	HP	mm	kg
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.

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