



## Economical due to flexibility: Screw compressor CLF with frequency control

Effective FAD: 0.25 – 1.27 m<sup>3</sup>/min; 9 – 45 cfm  
Pressure range: 8 – 13 bar; 115 – 190 psig  
Rated power: 7.5 kW; 10 HP

Available from 4<sup>th</sup> quarter 2007



# High output with total control: CLF series

## Special Feature:

By adjusting the air end speed utilising frequency regulation not only adjusts the output (FAD) but can also adjust the pressure (bar). The CLF machines can therefore operate at 8, 10 or 13 bar pressure without compromising free air delivered. To regulate a normal 13 bar compressor to 8 bar reduces the pressure but the output remains at the 13 bar design figure. The direct driven CLF, utilises frequency regulation in order to maximise FAD output whether at 8, 10 or 13 bar!



The frequency convertor with its built in control is integrated neatly into the existing electrical cabinet.



Compressor control BASIC  
with graphical LC display and pressure transducer

## CLF series

Direct coupled, without v-belt or gearbox, reduces transmission losses to a minimum.

The BOGE CLF series combines a direct coupled drive system with frequency control to provide the ultimate compressor for pressure control under variable output requirements.

The CLF series operates the air end within its optimum range and by changing the speed of both motor and rotor the compressed air output adapts to the actual demand. Expensive idling times and motor switches are avoided. At the same time a tighter pressure band can be set, also helping to save energy.

BOGE Type	Max. pressure		Effective free air delivery*		Motor power		Dimensions silenced	Dimensions super-silenced	Compressed air outlet	Weight silenced kg	Weight super-silenced kg
	bar	psig	m <sup>3</sup> /min	cfm	KW	HP	W x D x H (mm)	W x D x H (mm)			
CLF 9	8	115	0.26-1.27	9-45	7.5	10	1020 x 532 x 723	1020 x 532 x 796	G 1/2	200	208
CLF 9	10	150	0.25-1.12	9-40	7.5	10	1020 x 532 x 723	1020 x 532 x 796	G 1/2	200	208
CLF 9	13	190	0.24-0.93	8-33	7.5	10	1020 x 532 x 723	1020 x 532 x 796	G 1/2	200	208
CLF 9-270	8	115	0.26-1.27	9-45	7.5	10	1820 x 633 x 1315	1820 x 630 x 1390	G 1/2	315	323
CLF 9-270	10	150	0.25-1.12	9-40	7.5	10	1820 x 633 x 1315	1820 x 630 x 1390	G 1/2	315	323
CLF 9-250	13	190	0.24-0.93	8-33	7.5	10	1620 x 633 x 1315	1620 x 630 x 1390	G 1/2	310	318

\*Free air delivery for complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure.

Further sizes of receiver on demand.

Emitted sound pressure level as per PN8NTC2.3 from 70 dB(A).

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