



Economical and Flexible: CLF Series Screw compressor with frequency control

Effective FAD: 0.25 – 1.27 m³/min; 9 – 45 cfm
Pressure range: 8 – 13 bar; 115 – 190 psig
Rated power: 7.5 kW; 10 HP



High output with total control: CLF series

Special Feature:

The CLF series combines a direct coupled drive system with frequency control to provide the ultimate compressor for pressure control under variable output requirements. 8, 10 and 13 bar options can be readily achieved by adjustment of the frequency. Expensive idling times and motor switches are therefore avoided. At the same time, a tighter pressure band can be maintained which also assists in reducing energy consumption.



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



Options:

Available as a stand alone compressor unit (CLF), as a compressed air system mounted on an air receiver (CLF-), or as a compressed air centre – compressor and refrigerant dryer mounted on an air receiver (CLDF-).

CLF series

The CLF series frequency controlled screw compressor provides a small footprint whilst a built in frequency inverter ensures a minimal carbon footprint.

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 airend 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 ³ /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 1270	1820 x 633 x 1343	G 1/2	315	323
CLF 9-270	10	150	0.25-1.12	9-40	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	315	323
CLF 9-250	13	190	0.24-0.93	8-33	7.5	10	1620 x 633 x 1270	1620 x 633 x 1343	G 1/2	310	318
CLDF 9-270	8	115	0.26-1.27	9-45	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	362	370
CLDF 9-270	10	150	0.25-1.12	9-40	7.5	10	1820 x 633 x 1270	1820 x 633 x 1343	G 1/2	362	370
CLDF 9-250	13	190	0.24-0.93	8-33	7.5	10	1620 x 633 x 1270	1620 x 633 x 1343	G 1/2	357	365

*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)**.

BOGE · P.O. Box 10 0713 · 33507 Bielefeld · Fon (+49) 52 06/6 01-0 · Fax (+49) 52 06/6 01-200 · info@boge.com · www.boge.com

