



Certified in accordance with ISO 9001:2000
Germanischer Lloyd Certification
Certificate No.: QS-410 HH



Direct saving: Screw compressors Series SL

Free air delivery: 33.0–43.7 m³/min, 1166–1544 cfm
Pressure range: 8–13 bar, 115–190 psig
Motor range: 200–355 kW, 270–480 HP



Direct saving

Series SL with direct drive

The direct driven SL series of screw compressor have no belt drive and no gears – therefore transmission losses are virtually eliminated. The SL series is a logical extension of the range to complement the S series and

utilises the standard modular build system:

- BOGE Airend
- BOGE ARS control and monitoring system

The increased output and significantly lower power used by the drive motor

allows the SL series to operate economically, even at reduced pressure. The SL series offers all the options offered in the S series and is therefore flexible enough to adjust to individual operating conditions.

Direct drive with no belt drive and no gears

- BOGE *The most economical way to produce compressed air*

ARS control, regulating and monitoring system

- BOGE *customised, adaptable, economical, reliable*

Divided into three clearly defined sections

- BOGE *easy access to all components*

BOGE airend with state-of-the-art optimum performance screw profile

- BOGE *small specific power requirement, greater economy*

Small warm air section, complete autonomous cooling unit

- BOGE *compressor can also operate with the cabinet open for testing or maintenance purposes.*

Valve-less oil circuit with no oil-stop valve and no check valve

- BOGE *high reliability*

Vibration damped base and sub-frame

- BOGE *reduced transmission of structure-borne sound*

Torsionally rigid, sealed, base frame

- BOGE *for easy transport with a pallet truck or forklift truck*

Horizontally mounted combination vessel, multiple oil pre-separation, fast de-aeration and low foam formation

- BOGE *low residual oil content of only 1-3 mg/m³.*

Dynamic, fail-safe intake controller

- BOGE *designed for proportional regulation as standard*

Soundproofed lining in robust, nylon laminated mineral fibre mat

- BOGE *very good soundproofing, oil repellent, washable*

DIN and VDE switch cabinets, protected to IP 54

- BOGE *clearly laid out and protected against ingress of dust and dirt*

Three-phase ISO class F asynchronous motor

- BOGE *additional motor reserves for difficult operating conditions, long service life due to position in the cold air intake area, as well as thermistor protection.*

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	Main drive motor kW	HP	Fan motor kW	HP	W x D x H (mm)	W x D x H (mm)					
SL 270	8	115	33.3	1177	200	270	5.5	7.5	2655x1910x2140	3055x1910x2640	DN 100	3900	4000		
SL 340	10	150	33.2	1173	250	340	7.5	10	2655x1910x2140	3055x1910x2640	DN 100	4500	4600		
SL 340	13	190	33.0	1166	250	340	7.5	10	2655x1910x2140	3055x1910x2640	DN 100	4500	4600		
SL 341	8	115	43.7	1544	250	340	7.5	10	3100x1910x2140	3100x1910x2640	DN 100	5000	5100		
SL 431	10	150	43.4	1533	315	430	7.5	10	3100x1910x2140	3100x1910x2640	DN 100	5000	5100		
SL 481	13	190	42.7	1508	355	480	7.5	10	3500x1910x2140	3500x1910x2640	DN 100	5600	5700		

Emitted sound level as per PN8NTC2.3, silenced version **85 dB(A)** and super-silenced version **78 dB(A)**.

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

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