

Unbeaten Durability: BOGE SL Series.



Low maintenance thanks to direct drive: the most efficient way to produce compressed air!



TOUGH PERFORMER

Where other compressors buckle under stress, BOGE's SL screw compressors deliver top performance: Even in very dusty environments (e.g. in the cement industry or in mining), the direct drive stays the course and achieves maximum annual operating hours in 24/7 operation.



HARD TO STOP

As SL screw compressors operate without belts or gears, maintenance costs are reduced. This is not only good for the budget, but also reduces downtime. And when it comes to durability and operating reliability, the SL series boasts top values.



EASY TO CONTROL

As an optional extra, for the SL series, the new modular **focus 2.0** control makes its debut: This most advanced control system within the industry not only spoils users with an intuitive user interface. In addition to efficiency displays and the BOGE leakage monitor, it even offers RFID access for the first time.



CLEARLY SUPERIOR

Long maintenance intervals are not the only design benefit of the SL series: Thanks to the particularly low power consumption of the drive motor, these compressors score with phenomenal efficiency values. In line with market requirements, the standard design is set to 7.5 bar.

Completely immune to dust: With their direct drive, screw compressors in the BOGE SL series are ideal for applications under difficult conditions. The wear-free, low-maintenance power transmission guarantees optimum values in terms of efficiency and economic viability, as transmission losses are excluded with this method of compressed air generation! For those who demand the highest standards of efficiency, durability and operating reliability, there is no better option than these models.

**BOGE Compressed Air Systems
GmbH & Co. KG**

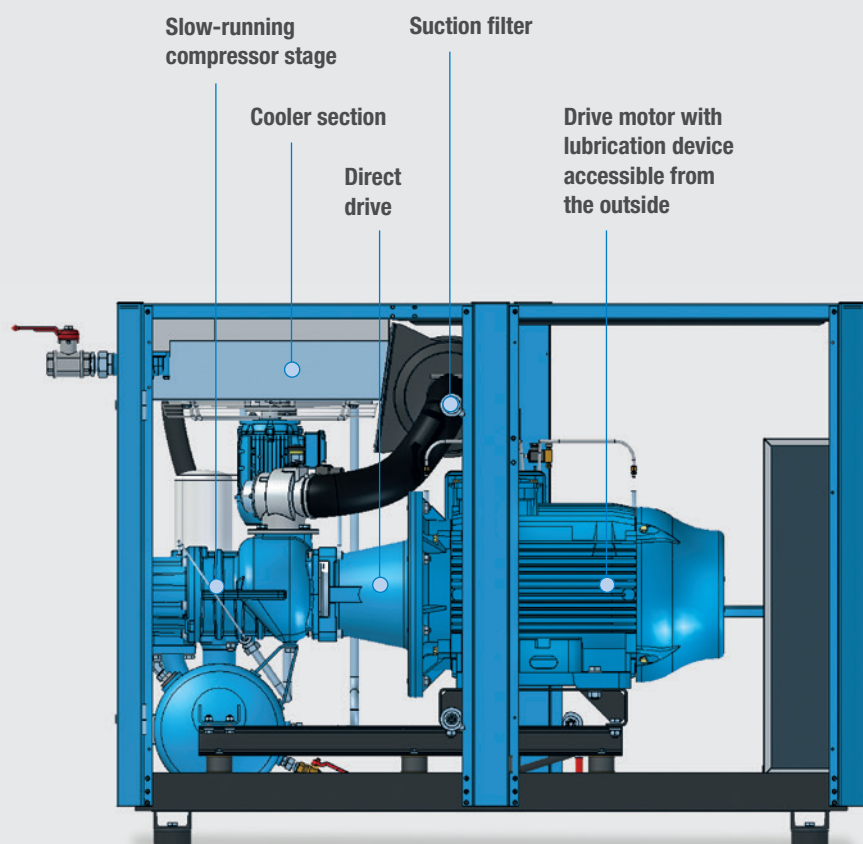
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HOW IT WORKS

Atmospheric air is taken in through the supply air filtration system of the compressor housing and the suction filter and routed to a particularly slowly rotating compressor stage, which always operates at the optimum design point – ensuring particularly efficient compressed air generation without transmission losses.



Ideal as an efficient base-load compressor, such as when 24/7 operation is required in an environment with a particularly high dust load.



BOGE SL SERIES AT A GLANCE

BOGE Type	Maximum pressure		Effective free air delivery*		Main drive		Fan motor		Dimensions W x D x H mm	Weight kg
	bar	psig	m ³ /min	cfm	kW	PS	kW	PS		
SL 31-3	7.5	109	3.96	140	22	30	0.75	1	1625 x 990 x 1450	780
SL 75-3	7.5	109	8.75	309	55	75	2.2	3	2010 x 1100 x 1460	1460
SL 101-3	7.5	109	14.19	501	75	100	2.2	3	2400 x 1370 x 1760	2080

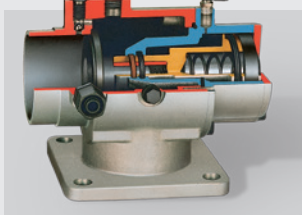
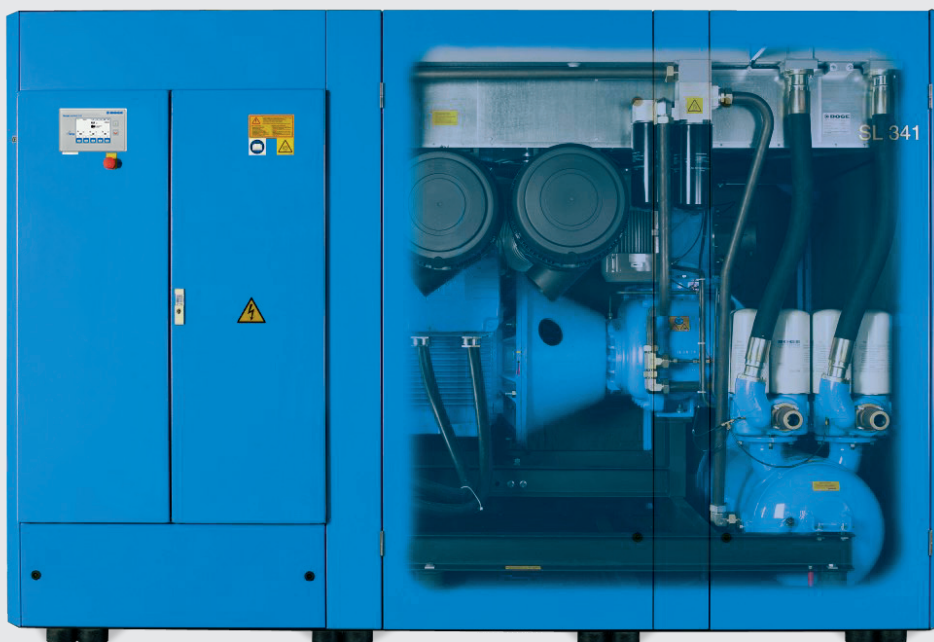
* Free air delivery of the overall system according to ISO 1217, appendix C, at an ambient temperature of 20°C and the pressure concerned.
Emitted sound pressure values from 64 dB(A) according to DIN EN ISO 2151:2009.

Please also see our SL models SL 270, SL 340, SL 341, SL 431, SL 481, SL 181-3, SL 221-3 and SL 271-3.

Screw compressors **S 151** to **S 341**, **SL 270** to **SL 481** and **SLF 221** to **SLF 271**

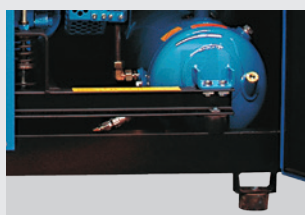


Effective FAD: 5.46 – 43.70 m³/min, 508 – 1590 cfm
Pressure range: 7.5 – 13 bar, 110 – 190 psig
Power range: 110 – 355 kW, 150 – 480 hp



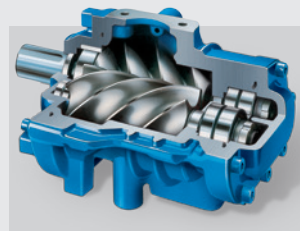
MULTIFUNCTIONAL SUCTION REGULATOR

This closes hermetically, preventing oil vapours from escaping. Energy savings are achieved by a fully unloaded start. Intrinsically safe, operational reliability is ensured in the event of a fault by automatic closure of the regulator.



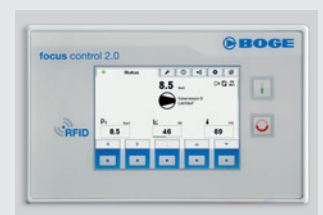
VIBRATION-DECOUPLED COMPRESSOR UNIT

Noise emissions are reduced as the compressor unit is isolated from vibration. A rigid base frame with access from either side, makes it easy to move using a forklift or pallet truck.



EFFICIENCY

The unique BOGE airend allows high free air delivery with a low power requirement, ensuring a reliable and efficient compressed air supply.



EASY TO CONTROL

As an optional extra, for the S series, the new modular **focus** control 2.0 makes its debut*: This most advanced control system within the industry not only spoils users with an intuitive user interface. In addition to efficiency displays and the BOGE leakage monitor, it even offers RFID access for the first time.

* standard with **focus** control

Compressed air for large delivery volumes: Screw compressors in the S, SL and SLF series are able to meet even high demands for compressed air reliably and efficiently. Their intelligent design guarantees costeffective operation and maximum operating reliability.

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BOGE Model	Max. pressure**		Effective free air delivery*		Motor power				Dimensions ¹⁾		Dimensions ²⁾		Compressed air	Weight silenced kg	Weight super silenced kg
	bar	psig	m ³ /min	cfm	Main drive kW	hp	Fan motor kW	hp	silenced W x D x H mm	super silenced W x D x H mm					
S 151	7,5	110	19,98	706	110	150	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3100	3200		
S 151	8	115	19,40	685	110	150	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3100	3200		
S 151	10	150	17,00	600	110	150	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3100	3200		
S 151	13	190	14,40	508	110	150	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3100	3200		
S 180	7,5	110	24,00	850	132	180	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 180	8	115	23,30	825	132	180	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 180	10	150	20,80	735	132	180	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 180	13	190	17,80	630	132	180	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 220	7,5	110	28,74	1020	160	220	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 220	8	115	27,90	990	160	220	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 220	10	150	25,10	890	160	220	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 220	13	190	21,70	770	160	220	4	5,5	2265x1585x2005	2565x1585x2505	DN 80	3200	3300		
S 271	7,5	110	35,74	1262	200	270	7,5	10	3100x1910x2145	3500x1910x2645	DN 100	4500	4600		
S 271	8	115	34,70	1225	200	270	7,5	10	3100x1910x2145	3500x1910x2645	DN 100	4500	4600		
S 271	10	150	30,50	1077	200	270	7,5	10	3100x1910x2145	3500x1910x2645	DN 100	4500	4600		
S 271	13	190	24,73	872	200	270	7,5	10	3100x1910x2145	3500x1910x2645	DN 100	4500	4600		
S 341	7,5	110	41,99	1484	250	340	11	15	3100x1910x2145	3500x1910x2645	DN 100	5000	5100		
S 341	8	115	40,77	1441	250	340	11	15	3100x1910x2145	3500x1910x2645	DN 100	5000	5100		
S 341	10	150	37,10	1310	250	340	11	15	3100x1910x2145	3500x1910x2645	DN 100	5000	5100		
S 341	13	190	31,70	1119	250	340	11	15	3100x1910x2145	3500x1910x2645	DN 100	5000	5100		
SL 270	7,5	110	33,5	1212	200	270	5,5	7,5	3100x1910x2145	3100x1910x2645	DN 100	3900	4000		
SL 270	8	115	33,3	1177	200	270	5,5	7,5	3100x1910x2145	3100x1910x2645	DN 100	3900	4000		
SL 340	10	150	33,2	1173	250	340	7,5	10	3100x1910x2145	3100x1910x2645	DN 100	4500	4600		
SL 340	13	190	33,0	1166	250	340	7,5	10	3100x1910x2145	3100x1910x2645	DN 100	4500	4600		
SL 341	7,5	110	44,0	1590	250	340	7,5	10	3100x1910x2145	3100x1910x2645	DN 100	5000	5100		
SL 341	8	115	43,7	1544	250	340	7,5	10	3100x1910x2145	3100x1910x2645	DN 100	5000	5100		
SL 431	10	150	43,4	1533	315	430	7,5	10	3100x1910x2145	3100x1910x2645	DN 100	5000	5100		
SL 481	13	190	42,7	1508	355	480	7,5	10	3100x1910x2145	3500x1910x2645	DN 100	5600	5700		
SLF 221	7,5	110	6,65–29,06	235–1026	160	220	4,0	5,5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600		
SLF 221	8	115	6,46–28,21	228– 996	160	220	4,0	5,5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600		
SLF 221	10	150	6,18–25,06	218– 885	160	220	4,0	5,5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600		
SLF 221	13	190	5,46–20,36	193– 719	160	220	4,0	5,5	3145x1910x2145	3145x1910x2645	DN 100	4500	4600		
SLF 271	7,5	110	6,65–35,74	235–1262	200	270	7,5	10	3145x1910x2145	3145x1910x2645	DN 100	4700	4800		
SLF 271	8	115	6,46–34,70	228–1225	200	270	7,5	10	3145x1910x2145	3145x1910x2645	DN 100	4700	4800		
SLF 271	10	150	6,18–30,50	218–1077	200	270	7,5	10	3145x1910x2145	3145x1910x2645	DN 100	4700	4800		
SLF 271	13	190	5,46–24,70	193– 872	200	270	7,5	10	3145x1910x2145	3145x1910x2645	DN 100	4700	4800		

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 76 dB(A) according to DIN EN ISO 2151:2009.

** Max. pressure of the compressor. The 7.5 bar indications are provided as reference values. The machines are designed for 8 bar.

¹⁾ super-silenced on the intake side

²⁾ super-silenced on the intake and on the exhaust air side