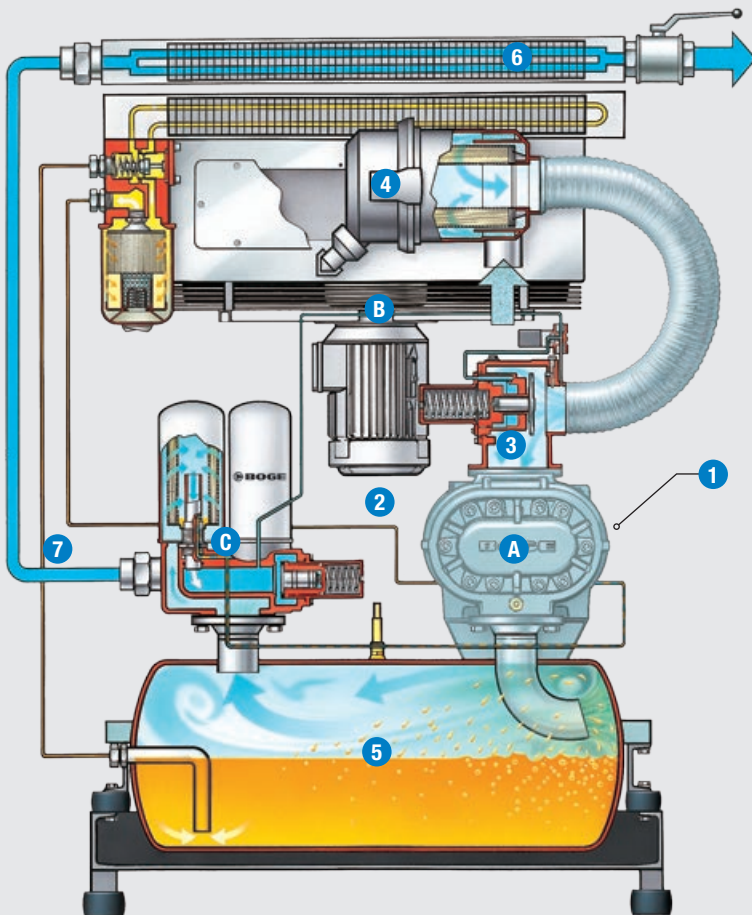




BOGE S series S-3



Top quality has surpassed itself again: The new generation BOGE S series.



Details of new generation:

- A** New BOGE efficiency airend
- B** New cooling fan design
- C** Optimized oil separation

Proven benefits of the BOGE S series:

- 1** Highly efficient IE3 motor
- 2** Intelligent cooling air circulation
- 3** Valveless oil circuit with multifunction suction regulator
- 4** Suction filter with micro paper element
- 5** Highly effective oil separation system with horizontal receiver
- 6** Self-sufficient cooling system with separate fan
- 7** Internal pipework made from steel tubing
- 8** Integrated switch cabinet
- 9** Maintenance-friendly design

Intelligent design provides an edge:

The BOGE S series wins you over with its sophisticated design concept, highest quality workmanship and maximum cost-efficiency. Each component is the culmination of decades of expertise by our engineers – giving it an edge is evident in everyday use.

The ideal lubricant for your BOGE S-3: BOGE S9000.

The advantages:

- Fully synthetic coolant and lubricant
- Reduced oil vaporisation, therefore lower consumption and oil carryover into the compressed air system
- Longer service life: changing intervals of up to 9000 operating hours can be achieved
- Viscosity index 46 for optimal temperature characteristics and wide operating temperature range
- Prevents deposits from forming, thus increases service life of compression stage and filtration media

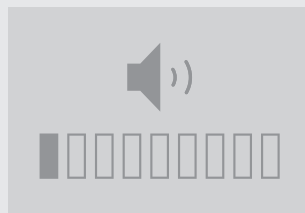
The use of BOGE SYPREM S makes it possible to increase the guarantee period to five years within the framework of the BOGE best**cair** guarantee program. Further information is available at: www.boge.com.

One of the best has been improved upon: The S series has set standards in efficient and reliable compressed air production. Now, BOGE has made one of the best screw compressor ranges on the market even better. While retaining the proven design philosophy, the efficiency, smooth running properties and the sound pressure levels have been significantly optimized. You can look forward to the best S series of all time!



EVEN MORE EFFICIENT

The new generation BOGE S series has the most efficient airend ever employed by BOGE – the BOGE effilience. Included as standard in every machine in the S-3 series, BOGE's effilience enhances the increased air delivery and improved oil separation system to the high level of efficiency achieved by the new compressor generation.



EVEN QUIETER

As well as the innovative BOGE effilience airend, the new designed fan makes the BOGE S-3 series quieter than ever. Its speed has been halved resulting in reduced noise levels – while the cooling air has been improved at the same time to provide a consistent cooling performance. The result speaks for itself: the quietest S series of all time!



PROVEN CONTROL

The compressor control in the standard version uses a familiar and intuitive FOCUS control which provides numerous monitoring and control features that allows connection to master control system.



PROVEN DESIGN

Irrespective of the modification incorporated, the proven design of the S series has still been retained: providing the advantages of the efficient cooling air circulation, the effective optimized oil separation system with a horizontal receiver and the premium quality of one of the most reliable screw compressors on the market.

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power				Dimensions 1) silenced W x D x H inch	Dimensions 2) super-silenced W x D x H inch	Compressed air outlet	Weight silenced lbs.	Weight super-silenced lbs.
					Main drive		Fan motor						
	bar	psig	m³/min	cfm	kW	HP	kW	HP					
S 40-3 N	7	100	5.44	187	30	40	0.75	1	64 x 39 x 57	–	NPT 1 1/4	1857	–
S 40-3 N	8	115	5.21	179	30	40	0.75	1	64 x 39 x 57	–	NPT 1 1/4	1857	–
S 40-3 N	8.6	125	5.21	179	30	40	0.75	1	64 x 39 x 57	–	NPT 1 1/4	1857	–
S 40-3 N	10	150	4.73	163	30	40	0.75	1	64 x 39 x 57	–	NPT 1 1/4	1857	–
S 40-3 N	13	190	3.97	136	30	40	0.75	1	64 x 39 x 57	–	NPT 1 1/4	1857	–
S 40-3 BLUEKAT N	7	100	5.44	187	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2426	–
S 40-3 BLUEKAT N	8	115	5.21	179	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2426	–
S 40-3 BLUEKAT N	8.6	125	5.21	179	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2426	–
S 40-3 BLUEKAT N	10	150	4.73	163	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2426	–
S 40-3 BLUEKAT N	13	190	3.97	136	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2426	–
S 50-3 N	7	100	6.93	234	37	50	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	1859	1925
S 50-3 N	8	115	6.48	219	37	50	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	1859	1925
S 50-3 N	8.6	125	6.48	219	37	50	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	1859	1925
S 50-3 N	10	150	5.80	196	37	50	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	1859	1925
S 50-3 N	13	190	4.96	168	37	50	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	1859	1925
S 50-3 BLUEKAT N	7	100	6.93	234	37	50	1.50	2	–	89 x 38 x 77	NPT 1 1/4	–	2911
S 50-3 BLUEKAT N	8	115	6.48	219	37	50	1.50	2	–	89 x 38 x 77	NPT 1 1/4	–	2911
S 50-3 BLUEKAT N	8.6	125	6.48	219	37	50	1.50	2	–	89 x 38 x 77	NPT 1 1/4	–	2911
S 50-3 BLUEKAT N	10	150	5.80	196	37	50	1.50	2	–	89 x 38 x 77	NPT 1 1/4	–	2911
S 50-3 BLUEKAT N	13	190	4.96	168	37	50	1.50	2	–	89 x 38 x 77	NPT 1 1/4	–	2911
S 60-3 N	7	100	7.25	256	45	60	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2192	2258
S 60-3 N	8	115	6.49	245	45	60	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2192	2258
S 60-3 N	8.6	125	6.94	245	45	60	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2192	2258
S 60-3 N	10	150	6.21	219	45	60	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2192	2258
S 60-3 N	13	190	5.28	186	45	60	1.50	2	64 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2192	2258
S 60-3 BLUEKAT N	7	100	7.25	256	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	2977
S 60-3 BLUEKAT N	8	115	6.49	245	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	2977
S 60-3 BLUEKAT N	8.6	125	6.94	245	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	2977
S 60-3 BLUEKAT N	10	150	6.21	219	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	2977
S 60-3 BLUEKAT N	13	190	5.28	186	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	2977
SF 60-3 N	7	100	1.65 - 7.62	58 - 269	45	60	1.50	2	66 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2331	2397
SF 60-3 N	8	115	1.58 - 7.30	56 - 258	45	60	1.50	2	66 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2331	2397
SF 60-3 N	8.6	125	1.58 - 7.30	56 - 258	45	60	1.50	2	66 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2331	2397
SF 60-3 N	10	150	1.43 - 6.53	51 - 231	45	60	1.50	2	66 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2331	2397
SF 60-3 N	13	190	1.19 - 5.55	42 - 200	45	60	1.50	2	66 x 39 x 57	64 x 39 x 77	NPT 1 1/4	2331	2397
SF 60-3 BLUEKAT N	7	100	1.63 - 7.52	58 - 269	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	3087
SF 60-3 BLUEKAT N	8	115	1.58 - 7.30	56 - 258	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	3087
SF 60-3 BLUEKAT N	8.6	125	1.58 - 7.30	56 - 258	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	3087
SF 60-3 BLUEKAT N	10	150	1.43 - 6.53	51 - 231	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	3087
SF 60-3 BLUEKAT N	13	190	1.19 - 5.55	42 - 200	45	60	1.50	2	–	89 x 39 x 77	NPT 1 1/4	–	3087

BOGE Model	Max. pressure**		Effective free air delivery*		Motor power				Dimensions ¹⁾ silenced W x D x H inch	Dimensions ²⁾ super-silenced W x D x H inch	Compressed air outlet	Weight silenced lbs.	Weight super-silenced lbs.
	bar	psig	m³/min	cfm	Main drive		Fan motor						
					kW	HP	kW	HP					
S 61-3 N	7	100	8.12	287	45	60	1.50	2	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2602	2712
S 61-3 N	8	115	7.73	273	45	60	1.50	2	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2602	2712
S 61-3 N	8.6	125	7.73	273	45	60	1.50	2	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2602	2712
S 61-3 N	10	150	6.81	241	45	60	1.50	2	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2602	2712
S 61-3 N	13	190	5.89	208	45	60	1.50	2	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2602	2712
S 75-3 N	7	100	9.97	352	55	75	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2778	2889
S 75-3 N	8	115	9.54	337	55	75	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2778	2889
S 75-3 N	8.6	125	9.54	337	55	75	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2778	2889
S 75-3 N	10	150	8.44	298	55	75	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2778	2889
S 75-3 N	13	190	7.26	256	55	75	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2778	2889
S 100-3 N	7	100	13.44	475	75	100	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2994	3105
S 100-3 N	8	115	12.80	452	75	100	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2994	3105
S 100-3 N	8.6	125	12.80	452	75	100	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2994	3105
S 100-3 N	10	150	10.95	387	75	100	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2994	3105
S 100-3 N	13	190	9.51	336	75	100	2.20	3	79 x 42 x 57	79 x 42 x 77	NPT 1 1/2	2994	3105
SF 100-3 N	7	100	3.37 - 13.37	119 - 472	75	100	2.20	3	80 x 42 x 57	80 x 42 x 77	NPT 1 1/2	3061	3171
SF 100-3 N	8	115	3.23 - 12.80	114 - 452	75	100	2.20	3	80 x 42 x 57	80 x 42 x 77	NPT 1 1/2	3061	3171
SF 100-3 N	8.6	125	3.23 - 12.80	114 - 452	75	100	2.20	3	80 x 42 x 57	80 x 42 x 77	NPT 1 1/2	3061	3171
SF 100-3 N	10	150	2.88 - 10.95	102 - 387	75	100	2.20	3	80 x 42 x 57	80 x 42 x 77	NPT 1 1/2	3061	3171
SF 100-3 N	13	190	2.51 - 9.51	89 - 336	75	100	2.20	3	80 x 42 x 57	80 x 42 x 77	NPT 1 1/2	3061	3171
S 101-3 N	7	100	14.29	505	75	100	2.20	3	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4514	4646
S 101-3 N	8	115	13.68	483	75	100	2.20	3	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4514	4646
S 101-3 N	8.6	125	13.68	483	75	100	2.20	3	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4514	4646
S 101-3 N	10	150	11.92	421	75	100	2.20	3	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4514	4646
S 101-3 N	13	190	9.91	350	75	100	2.20	3	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4514	4646
S 125-3 N	7	100	16.00	565	90	125	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4558	4690
S 125-3 N	8	115	15.32	541	90	125	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4558	4690
S 125-3 N	8.6	125	15.32	541	90	125	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4558	4690
S 125-3 N	10	150	14.70	519	90	125	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4558	4690
S 125-3 N	13	190	12.26	433	90	125	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4558	4690
S 150-3 N	7	100	19.33	683	110	150	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4701	4833
S 150-3 N	8	115	18.40	650	110	150	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4701	4833
S 150-3 N	8.6	125	18.41	650	110	150	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4701	4833
S 150-3 N	10	150	16.30	576	110	150	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4701	4833
S 150-3 N	13	190	14.20	501	110	150	4.00	5.5	93 x 52 x 69	93 x 52 x 89	NPT 2 1/2	4701	4833
SF 150-3 N	7	100	4.87 - 19.33	172 - 683	110	150	4.00	5.5	95 x 52 x 69	95 x 52 x 89	NPT 2 1/2	4851	4983
SF 150-3 N	8	115	4.64 - 18.40	164 - 650	110	150	4.00	5.5	95 x 52 x 69	95 x 52 x 89	NPT 2 1/2	4851	4983
SF 150-3 N	8.6	125	4.64 - 18.40	164 - 650	110	150	4.00	5.5	95 x 52 x 69	95 x 52 x 89	NPT 2 1/2	4851	4983
SF 150-3 N	10	150	4.27 - 16.30	150 - 576	110	150	4.00	5.5	95 x 52 x 69	95 x 52 x 89	NPT 2 1/2	4851	4983
SF 150-3 N	13	190	2.97 - 14.25	105 - 503	110	150	4.00	5.5	95 x 52 x 69	95 x 52 x 89	NPT 2 1/2	4851	4983

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 64 dB(A) according to DIN EN ISO 2151:2009. Technical data subject to change

** Max. pressure of the compressor

¹⁾super-silenced on the intake side ²⁾super-silenced on the intake and on the outlet side

Efficiency on a large scale:

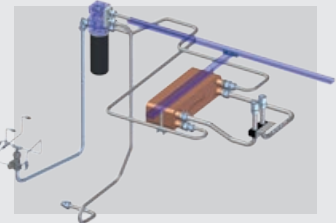
The **BOGE SLF**.



Effective FAD: 1.33 – 36.26 m³/min, 42 – 1280 cfm

Pressure range: 7 – 13 bar, 110 – 190 psig

Rated power: 22 – 200 kW, 30 – 270 HP



ABSOLUTELY DEMAND-ORIENTED

The frequency converter is primarily integrated to control motor and airtend speeds in order to produce the momentary air demand requirement at the required pressure.

MAXIMUM EFFICIENCY

Frequency control is ideal where shift/production patterns create a fluctuating demand for compressed air or where there is a small storage volume or in a multiple installation for peak load operation. Built in frequency control continuously adjusts the volume flow to the actual demand ensuring minimized idling times and pressure fluctuations providing an energy efficient solution.

INTELLIGENT FAN CONTROL

From the S 61-3 up we offer variable cooling air flow via frequency-controlled fan as an option. It ensures that it only ever works as hard as necessary. These machines achieve a significant efficiency advantage.

HIGH EFFICIENCY

The centrepiece of the integrated DUOTHERM BPT heat exchanger is a plate heat exchanger through which passes hot oil around +85°C from the oil circuit. The counter-flow water passing through the heat exchanger is heated up to around +70°C – and can then be used as heating or production water.

Operating within the specific optimal range: In combination with the direct drive and frequency control, the SLF machines provide an extremely flexible system that adapts spontaneously to changes in the compressed air demand. If the pressure value changes, the air delivery is also synchronized automatically! This means that the machine supplies only the precise amount of compressed air that is actually needed at the time.

BOGE Model	Max. pressure**		Effective free air delivery *		Motor power				Dimensions ¹⁾	Dimensions ²⁾	Compressed air outlet	Weight silenced lbs.	Weight super-silenced lbs.
	bar	psig	m ³ /min	cfm	Main drive		Fan motor		silenced W x D x H	super-silenced W x D x H			
					kW	HP	kW	HP	inch	inch			
SLF 40-3 N	7	100	1.42 - 5.44	49 - 190	30	40	0.75	1	74 x 39 x 68	–	NPT 1 1/4	1863	–
SLF 40-3 N	8	115	1.36 - 5.21	48 - 184	30	40	0.75	1	74 x 39 x 68	–	NPT 1 1/4	1863	–
SLF 40-3 N	8.6	125	1.36 - 5.21	48 - 184	30	40	0.75	1	74 x 39 x 68	–	NPT 1 1/4	1863	–
SLF 40-3 N	10	150	1.32 - 4.61	48 - 167	30	40	0.75	1	74 x 39 x 68	–	NPT 1 1/4	1863	–
SLF 40-3 N	13	190	1.32 - 3.97	47 - 140	30	40	0.75	1	74 x 39 x 68	–	NPT 1 1/4	1863	–
SLF 40-3 BLUEKAT N	7	100	1.42 - 5.44	49 - 190	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2582	–
SLF 40-3 BLUEKAT N	8	115	1.36 - 5.21	48 - 184	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2582	–
SLF 40-3 BLUEKAT N	8.6	125	1.36 - 5.21	48 - 184	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2582	–
SLF 40-3 BLUEKAT N	10	150	1.32 - 4.61	48 - 167	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2582	–
SLF 40-3 BLUEKAT N	13	190	1.32 - 3.97	47 - 140	30	40	0.75	1	89 x 39 x 77	–	NPT 1 1/4	2582	–
SLF 51-3 N	7	100	2.28 - 7.25	82 - 256	37	50	1.10	1.5	78 x 42 x 42	78 x 42 x 77	NPT 1 1/4	2756	2867
SLF 51-3 N	8	115	2.18 - 6.94	77 - 245	37	50	1.10	1.5	78 x 42 x 42	78 x 42 x 77	NPT 1 1/4	2756	2867
SLF 51-3 N	8.6	125	2.18 - 6.94	77 - 245	37	50	1.10	1.5	78 x 42 x 42	78 x 42 x 77	NPT 1 1/4	2756	2867
SLF 51-3 N	10	150	2.15 - 6.10	76 - 215	37	50	1.10	1.5	78 x 42 x 42	78 x 42 x 77	NPT 1 1/4	2756	2867
SLF 51-3 N	13	190	2.12 - 5.12	on request	37	50	1.10	1.5	78 x 42 x 42	78 x 42 x 77	NPT 1 1/4	2756	2867
SLF 61-3 N	7	100	3.13 - 8.08	109 - 284	45	60	1.50	2	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3043	3153
SLF 61-3 N	8	115	3.00 - 7.73	106 - 273	45	60	1.50	2	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3043	3153
SLF 61-3 N	8.6	125	3.00 - 7.73	106 - 273	45	60	1.50	2	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3043	3153
SLF 61-3 N	10	150	2.99 - 6.81	106 - 240	45	60	1.50	2	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3043	3153
SLF 61-3 N	13	190	2.10 - 5.78	74 - 204	45	60	1.50	2	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3043	3153
SLF 75-3 N	7	100	2.18 - 9.97	77 - 352	55	75	2.20	3	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3303	3413
SLF 75-3 N	8	115	2.09 - 9.54	74 - 337	55	75	2.20	3	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3303	3413
SLF 75-3 N	8.6	125	2.09 - 9.54	74 - 337	55	75	2.20	3	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3303	3413
SLF 75-3 N	10	150	2.10 - 8.44	73 - 298	55	75	2.20	3	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3303	3413
SLF 75-3 N	13	190	2.18 - 7.26	78 - 256	55	75	2.20	3	78 x 42 x 57	78 x 42 x 77	NPT 1 1/2	3303	3413
SLF 101-3 N	7	100	5.45 - 14.30	193 - 505	75	100	3.00	4	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4659	4789
SLF 101-3 N	8	115	5.22 - 13.68	184 - 483	75	100	3.00	4	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4659	4789
SLF 101-3 N	8.6	125	5.22 - 13.68	184 - 483	75	100	3.00	4	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4659	4789
SLF 101-3 N	10	150	5.07 - 11.92	179 - 421	75	100	3.00	4	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4659	4789
SLF 101-3 N	13	190	3.68 - 10.69	130 - 377	75	100	3.00	4	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4659	4789
SLF 125-3 N	7	100	5.29 - 16.01	175 - 565	90	125	4.00	5.5	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4767	4900
SLF 125-3 N	8	115	5.04 - 15.32	176 - 554	90	125	4.00	5.5	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4767	4900
SLF 125-3 N	8.6	125	5.04 - 15.32	176 - 554	90	125	4.00	5.5	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4767	4900
SLF 125-3 N	10	150	5.06 - 14.71	179 - 527	90	125	4.00	5.5	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4767	4900
SLF 125-3 N	13	190	4.79 - 12.80	169 - 452	90	125	4.00	5.5	95 x 53 x 69	95 x 53 x 89	NPT 2 1/2	4767	4900
SLF 221 N	7	100	6.75 - 29.48	238 - 1041	160	220	7.50	10	124 x 75 x 84	124 x 75 x 104	4" ANSI	9923	10143
SLF 221 N	8	115	6.46 - 28.21	228 - 996	160	220	7.50	10	124 x 75 x 84	124 x 75 x 104	4" ANSI	9923	10143
SLF 221 N	8.6	125	6.46 - 28.21	228 - 996	160	220	7.50	10	124 x 75 x 84	124 x 75 x 104	4" ANSI	9923	10143
SLF 221 N	10	150	6.18 - 25.06	218 - 885	160	220	7.50	10	124 x 75 x 84	124 x 75 x 104	4" ANSI	9923	10143
SLF 221 N	13	190	5.46 - 20.36	193 - 719	160	220	7.50	10	124 x 75 x 84	124 x 75 x 104	4" ANSI	9923	10143
SLF 271 N	7	100	6.75 - 36.26	238 - 1280	200	270	11.00	15	124 x 75 x 84	124 x 75 x 104	4" ANSI	10364	10584
SLF 271 N	8	115	6.46 - 34.70	228 - 1225	200	270	11.00	15	124 x 75 x 84	124 x 75 x 104	4" ANSI	10364	10584
SLF 271 N	8.6	125	6.46 - 34.70	228 - 1225	200	270	11.00	15	124 x 75 x 84	124 x 75 x 104	4" ANSI	10364	10584
SLF 271 N	10	150	6.18 - 30.50	218 - 1077	200	270	11.00	15	124 x 75 x 84	124 x 75 x 104	4" ANSI	10364	10584
SLF 271 N	13	190	5.46 - 24.70	193 - 872	200	270	11.00	15	124 x 75 x 84	124 x 75 x 104	4" ANSI	10364	10584

* Free air delivery for the complete package in accordance with ISO 1217, Appendix E, at 20°C ambient temperature and maximum pressure. Emitted sound pressure values from 64 dB(A) according to DIN EN ISO 2151:2009. Technical data subject to change

** Max. pressure of the compressor

*** The SLF 221 and 271 machines belong to the S-2 series

¹⁾ super-silenced on the intake side ²⁾ super-silenced on the intake and on the outlet side

The new premium airend from BOGE: BOGE effilence is the most efficient airend ever employed by BOGE. Its name stands for two of its hallmarks: efficient compression (efficiency) and incomparably quiet operation (silence). This wholly BOGE developed and built airend will guarantee highest standard state-of-the-art technology: take advantage now of a new level of efficiency!



BOGE effilence: The design benefits.

Extremely small blow hole

The very small radius of the secondary rotor teeth means that the blow hole is very small, thus ensuring high efficiency.

Axial suction

An axial suction that has been calculated with flow simulation software takes place right from the BS 102: for maximum intake and therefore higher volumetric efficiency.

Circumferential speeds

The speed design point has been optimized and is clearly lower when compared to previous stages. As a result, efficiency losses caused by splashing are reduced. The stages do not only offer a quieter operation, but also increased running-life, as the bearing service life depends on the size as well as on the rotations performed.

Very small manufacturing tolerances

Due to the low tolerances the stage has a long service life, is efficient and quiet. Efficiency losses through gap and blow hole are minimized; the rattling noise through backlash, particularly during no-load times, do not occur any more.

Flow-optimized outlet shape

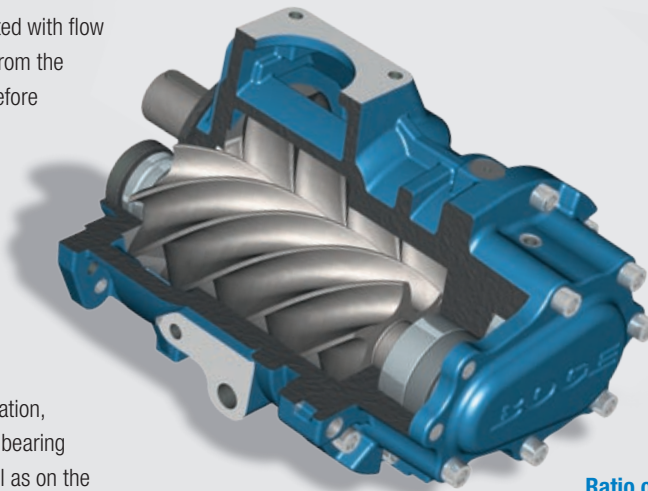
The design is optimized for outlet pressures from 8 to 9 bar. This prevents overcompression and backflow that causes high losses.

Large bearings

The high-quality bearings have been selected in the largest possible size. This leads to a calculated service life twice as long as previous models.

5:6 profile

The 5:6 screw profile of the rotors developed by BOGE (5 teeth primary rotor, 6 teeth secondary rotor) ensures low differential pressure between the chambers and therefore only minimal flow rate losses. Due to the innovative profile geometry with low leakage between the rotors, the blow hole is extremely small, ensuring a high volumetric efficiency.



Ratio of rotor length to rotor diameter

The rotor profile is optimally designed to achieve the ideal ratio of internal compression combined with the minimum rotor deflection.

Oil injection

The oil injection is designed for an optimum cooling effect and minimum splash losses.

BOGE COMPRESSORS
BOGE AMERICA, INC.

3414 Florence Circle
Suite 100 · Powder Springs, GA 30127
Tel. 770-874-1570 · Fax. 770-874-1571
www.boge.com · usa@boge.com

