

SO 61 to SO 126 Oil-free screw compressors (air or water cooled)



Free air delivery: 5.25 – 13.01 m³/min, 185 – 459 cfm

Pressure range: 8 – 10 bar, 115 – 150 psig

Motor range: 45 – 90 kW, 60 – 125 HP



SO 126



MOTOR

These models are equipped with a three-phase asynchronous motor, ISO class F with additional motor reserves to meet the most challenging operating conditions. The motor is installed in the cool air intake section of the package and is thermistor protected to ensure a long service life.



WATER COOLING

Where large volumes of air are required water-cooling is a must. The intelligent BOGE cooling concept guarantees safe and economical cooling of the compressor with optimum maintenance friendliness.



EXHAUST AIR COOLING

As an option the SO series can be equipped with a cowl cooler eliminating the need for expensive exhaust air ducts.



PRIME CONTROL

The PRIME control is the latest state-of-the-art energy efficient controller to come from BOGE. A large-scale back-lit LC display with clear text information shows error/maintenance messages, operating status and all operating parameters on three main menus.



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Oil-free compressed air with efficiency guarantee: This range economically and reliably produces oil-free compressed air. Depending on site requirements they can be air or water cooled. 8 models with 16 variants synchronise the compressed air system to meet your demands.

BOGE Model	Max. pressure		Effective free air delivery*		Motor power				Dimensions silenced W x D x H mm	Dimensions super-silenced W x D x H mm	Weight silenced kg	Weight super- silenced kg
	bar	psig	m³/min	cfm	Main drive motor		Fan motor					
					kW	HP	kW	HP				
SO 61 A	8	115	6.65	235	45	60	4.80	6.50	2957x1310x1886	3769x1310x2385	2654	2934
	10	150	5.25	185	45	60	4.80	6.50	2957x1310x1886	3769x1310x2385	2654	2934
SO 76 A	8	115	8.86	313	55	75	4.80	6.50	2957x1310x1886	3769x1310x2385	2804	3084
	10	150	7.70	272	55	75	4.80	6.50	2957x1310x1886	3769x1310x2385	2804	3084
SO 101 A	8	115	12.06	426	75	100	4.80	6.50	2957x1310x1886	3769x1310x2385	2934	3214
	10	150	10.46	369	75	100	4.80	6.50	2957x1310x1886	3769x1310x2385	2934	3214
SO 126 A	8	115	13.01	459	90	125	4.80	6.50	2957x1310x1959	3769x1310x2459	3046	3326
	10	150	13.01	459	90	125	4.80	6.50	2957x1310x1959	3769x1310x2459	3046	3326
SO 61 W	8	115	6.65	235	45	60	0.55	0.75	2906x1310x1890	3312x1310x1890	2171	2201
	10	150	5.25	185	45	60	0.55	0.75	2906x1310x1890	3312x1310x1890	2171	2201
SO 76 W	8	115	8.86	313	55	75	0.55	0.75	2906x1310x1890	3312x1310x1890	2341	2371
	10	150	7.70	272	55	75	0.55	0.75	2906x1310x1890	3312x1310x1890	2341	2371
SO 101 W	8	115	12.06	426	75	100	0.55	0.75	2906x1310x1890	3312x1310x1890	2511	2541
	10	150	10.46	369	75	100	0.55	0.75	2906x1310x1890	3312x1310x1890	2511	2541
SO 126 W	8	115	13.01	459	90	125	0.55	0.75	2906x1310x1890	3312x1310x1890	2561	2591
	10	150	13.01	459	90	125	0.55	0.75	2906x1310x1890	3312x1310x1890	2561	2591

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound level as per PN8NTC2.3 from 76 dB(A)
The technical data is designed for international use: maximum ambient temperature + 40°C, maximum cooling water temperature + 40°C.
Different demands on request. Dimensions and construction are subject to change.



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SO 150-2 to SO 480-2 – water cooled oil-free screw compressors



Free air delivery: 16.20 – 51.49 m³/min, 572 – 1818 cfm

Pressure range: 8 – 10 bar, 115 – 150 psig

Motor range: 110 – 355 kW, 150 – 480HP



SO 220-2



EXTREMELY QUIET

The SO-2 machines are equipped with a combined sound and pulsation absorber. Because of its intelligent design and the use of powerful sound absorbing materials the entire range operates quieter than ever before.



HIGHEST EFFICIENCY

The cooling air flow of the SO-2 machines has been substantially optimised. The air intake from the coolest area and the minimisation of pressure losses additionally increase the free air delivery with a low specific power consumption.



SAFE AND SERVICE FRIENDLY

Particular importance was given to optimise accessibility of maintenance intensive components (e.g. cooler and oil cooler) during the design of the SO-2 machines. An additional separator was integrated to improve intermediate separation – for absolutely safe operation.



FLEXIBLY CONNECTING

The raised position of the compressed air outlet does not require any risers and allows for problem free connection of additional components: e.g. external aftercooler, cyclone separator, filters and dryers.

Oil-free compressed air at the highest level: The SO-2 generation of oil-free screw compressors sets new standards in the 110 and 355 kW performance class. High FADs, low specific power consumption, extremely quiet operation along with the service friendly design are the benchmarks of this series – for oil-free compressed air production at a superior level!

BOGE Model	Max. pressure		Effective free air delivery*		Motor power				Dimensions silenced W x D x H mm	Dimensions super-silenced W x D x H mm	Weight silenced kg	Weight super- silenced kg
	bar	psig	m³/min	cfm	Main drive motor		Fan motor					
					kW	HP	kW	HP				
SO 150-2 W	8	115	18.57	656	110	150	0.75	1.00	–	3230x1520x1820	–	3300
	10	150	16.20	572	110	150	0.75	1.00	–	3230x1520x1820	–	3300
SO 180-2 W	8	115	21.60	763	132	180	0.75	1.00	–	3230x1520x1820	–	3350
	10	150	19.60	692	132	180	0.75	1.00	–	3230x1520x1820	–	3350
SO 220-2 W	8	115	26.30	929	160	220	0.75	1.00	–	3230x1520x1820	–	3400
	10	150	23.20	819	160	220	0.75	1.00	–	3230x1520x1820	–	3400
SO 269-2 W	10	150	26.18	925	200	270	0.75	1.00	–	3230x1520x1820	–	3600
SO 270-2 W	8	115	34.90	1232	200	270	1.10	1.50	–	3782x1800x2268	–	5600
	10	150	28.40	1002	200	270	1.10	1.50	–	3782x1800x2268	–	5600
SO 340-2 W	8	115	42.36	1496	250	340	1.10	1.50	–	3782x1800x2268	–	5800
	10	150	35.92	1268	250	340	1.10	1.50	–	3782x1800x2268	–	5800
SO 430-2 W	8	115	47.22	1668	315	430	1.10	1.50	–	3782x1800x2268	–	6000
	10	150	46.89	1656	315	430	1.10	1.50	–	3782x1800x2268	–	6000
SO 431-2 W	8	115	51.49	1818	315	430	1.10	1.50	–	3782x1800x2268	–	6000
SO 480-2 W	10	150	51.42	1816	355	480	1.10	1.50	–	3782x1800x2268	–	6600

* Free air delivery for the complete package in accordance with ISO 1217, Appendix C, at 20°C ambient temperature and maximum pressure. Emitted sound level as per PN8NTC2.3 from 76 dB(A)
The technical data is designed for international use: maximum ambient temperature + 40°C, maximum cooling water temperature + 40°C.
Different demands on request. Dimensions and construction are subject to change.



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