

BOGE AIR. THE AIR TO WORK.



Representing the **Best**  
Of German Engineering!



**BOGE SE Series**  
Less noise, more energy efficiency



# BOGE SE series

## A huge increase in energy efficiency meets a new low in noise level

### BEST OF BOTH WORLDS

The new SE compressor series was diligently developed by the German quality manufacturers of BOGE to meet the special requirements of customers all across the Asian marketplace. Featuring a new level of energy efficiency, it blends the high German quality standards with individual features, such as an intelligent control in both Chinese and English. Its state-of-the-art design contains a high-efficiency airend and a three-stage oil separation. What makes it really stand out from the competition is its energy-saving direct drive Airend. It is super-silent, maintenance-free and tested to perfection by the BOGE R&D center in Germany.



### KEY FEATURES OF THE UNIT

- Designed for ambient temperatures up to 46
- Three-stage oil/air separation system
- Efficient and silent sickle-type axil fan
- Non-welded connection between oil cooler and after cooler
- 1:1 flexible direct drive
- Integrated inlet control valve
- Low-speed, energy-saving fan
- Intelligent microprocessor controller with Chinese and English menu

### CONTROL FEATURES

- Voltage detection system with protective function
- Energy-saving ECO control mode
- Pre-fault diagnosing
- Timer switch
- Multi-pressure detection
- Multi-temperature detection
- Emergency stop
- Wireless GPRS remote control
- Optional color touch screen

Model	37	A	F-	8
SE series	Main motor power 15-75 KW	Cooling type: Air cooling throughout, except for explicit "W" models (water cooling)	F: frequency conversion Nothing: Y-Δ D: built-in drying machine H: built-in heat recovery	Rated discharge pressure 7-12.5 Bar

It took three and a half years of research and development before the new BOGE SE series compressors were ready to hit the Asian market. And it took the expertise of one of the world's leading compressor manufacturers to ensure these oil-lubricated compressors would set a few records: Compared to conventional screw compressors, they operate in an astonishing silence and bring energy efficiency to a new height. BOGE has tried and tested the high-performing SE series to perfection. Because reliability matters most.

### NUMEROUS ADVANTAGES IN DETAIL



#### SAFETY FIRST

SE compressors are designed with special attention to safety: They detect high pressures as well as high temperatures and monitor – among other things – the current flow and the mechanical rotation.



#### ENERGY-SAVING

A host of individual measures combined add up to the highest standard of energy efficiency. In fact, the SE series reaches the top level of energy efficiency in the People's Republic of China.



#### ENVIRONMENTAL PROTECTION

Due to the innovative separation technology with a vertical oil separation vessel and an integrated separator cartridge, the residual oil content is minimised to a mere 1-3 ppm while internal pressure losses are effectively countered.



#### HIGHEST RELIABILITY

The BOGE SE series features a newly designed energy-efficient direct drive Airend\* which reduces drive components, maintenance costs and downtime as well as making it completely immune to dust, thus providing excellent reliability even under harsh conditions.



#### EASY OPERATION

User-friendliness is rated very highly: choose between a Chinese or English display – numerous monitoring and control features facilitate operation. Also, you may always integrate the compressor in a master control system.



#### EFFORTLESS MAINTENANCE

All maintenance areas are easily accessible from two sides of the compressor. This is not just more convenient, it effectively reduces maintenance costs to a minimum.

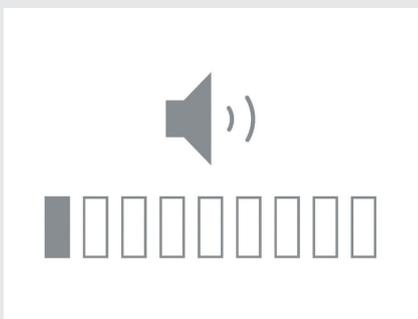
\* Models SE15, SE18 and SE22 feature a belt drive.

**Minimal power consumption, easy maintenance and a long life expectancy – the new BOGE SE series has what it takes to outshine all screw compressors in its class. A wear-free, low-maintenance transmission scores optimally in terms of efficiency and economic viability. What's more, the advanced air flow channeling, combined with a sophisticated fan blade design, results in an astonishingly quiet operation. If you're looking for a reliable, energy-efficient screw compressor, the new BOGE SE is your perfect choice.**

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

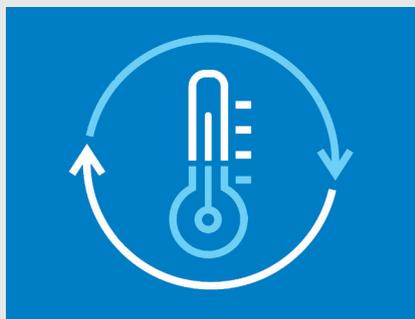
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## DESIGNED TO TAKE THE LEAD: THE NEW BOGE SE SERIES



### QUIET OPERATION

So far, the noise emitted by a screw compressor prevented all attempts to place it nearer to the workplace. Yet with the SE series' innovative design, things will change: the ingenious air flow channeling and massive sound insulation result in ultra-low vibration and noticeably less noise, thus spearheading industrial progress.



### INTELLIGENT COOLING UNIT

The new multi-deflection cooling air duct, together with a newly designed fan blade, enables smooth air flow in large volumes. The cooling fan's speed is controlled by the compressor's discharge temperature which results in considerable energy savings.



### PROACTIVE CONTROL

The new control concept anticipates operating states and automatically adjusts the compressor to foreseeable temperatures and pressure levels in good time. In addition, it allows to take control of up to eight inter-connected compressors altogether. Standard equipment includes an RS 485 interface, supporting MODBUS RTU communication.

## THE BOGE SE SERIES – AVAILABLE IN A VARIETY OF SIZES

BOGE Model	Max. pressure	Effective FAD*	Motor power	Dimensions	Compressed air Outlet	Weight
	bar					
SE 15	8/10	2.57/2.31	15	1200 x 850 x 1270	G1"	360
SE 18	8/10	3.11/2.72	18.5	1200 x 850 x 1270	G1"	370
	13	2.34	18.5	1200 x 850 x 1270	G1"	370
SE 22	8/10	3.71/3.38	22	1200 x 850 x 1270	G1"	380
SE 30	8/10	5.02/4.92	30	1590 x 990 x 1520	G1/2"	1180
SE 37	8/10	6.30/6.20	37	1590 x 990 x 1520	G1/2"	1200
SE 45	8/10	7.90/7.80	45	1990 x 1190 x 1800	DN50	1600
SE 55	8/10	9.60/9.50	55	1990 x 1190 x 1800	DN50	1800
SE 75	8/10	12.70/12.60	75	1990 x 1190 x 1800	DN50	2000

\* Measurement of free air delivery according to Appendix C ISO 1217

\* Measurement sound pressure level according to DIN EN (European Union Standard) ISO 2151

1. Standard Pressure 8 bar, 10 bar 2. Water-cooled 3. Frequency controlled option on SE30 - SE75 4. Soft start 5. Heat recovery 6. Built-in dryer