



Stationary Screw Compressors SEC 22–37 kW



Easy reliable

Produced in EU

SEC 150 | 220 | 221 | 221 Vario | 300 | 300 Vario | 302 | 302 Vario | 372 | 372 Vario

enough air for everyone



EUROPEAN UNION
European Regional Development Fund
Operational Programme Enterprise and Innovations for Competitiveness

Stationary Screw Compressors SEC

Those compressors are reliable industrial machines meeting the strictest criteria and requirements set by modern production operations.

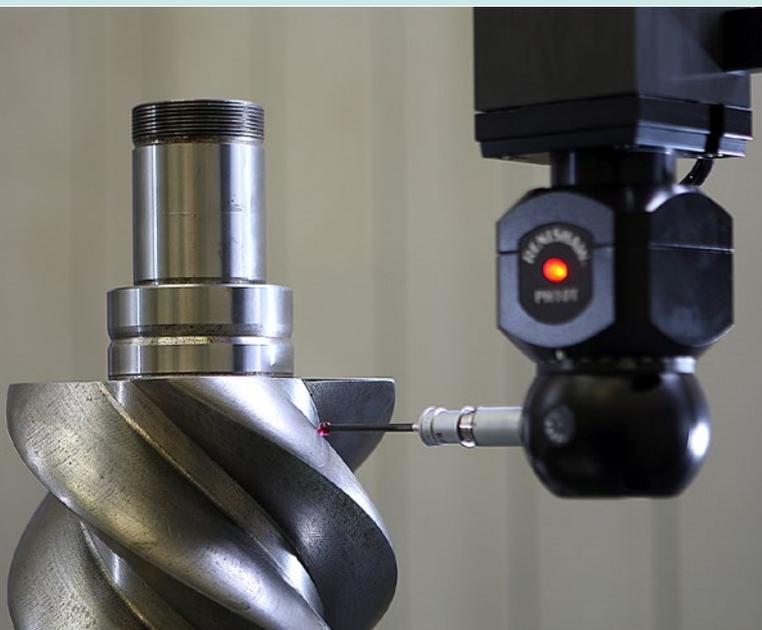
Proven, effective and reliable

Top-quality components from branded European suppliers, together with years of proven construction, IE3 motors and large ATMOS screw blocks contribute to the extraordinary efficiency and reliability of SEC compressors. We also offer models equipped with a Danfoss frequency converter marked SEC Vario.



Industrial

When designing SEC compressors, one of the main goals was to create a durable and highly efficient industrial machine. This was achieved by using components with a rich power reserve and top parameters.



CZ/EU product

Engineering production has more than a hundred-year tradition at our plant. The first screw compressors were manufactured in Atmos Chrást in the 1980s. We use state-of-the-art technology in production and all products go through a careful exit inspection with 3D measurement.



Compact – small

Due to the purposeful internal arrangement, the high compactness of the machines was achieved with a small need for installation space. An oversized radiator is located at the top of the body.

Modern control unit

The LOGIK S-26 controller effectively controls the operation of the machine and provides the operator with all the necessary data about the operation of the compressor through the display or the RS 485 serial line (Modbus). The integrated ATMOS Care function protects the compressor from damage and saves the user operating costs. In Master/slave mode, two compressors can be controlled as one source of compressed air.



Accessories – options

Superior control system ARCHON for 3, 5 and 9 compressors

The overall efficiency of a compressor station with multiple compressors has a major impact on how they are managed. Archon offers up to 10 daily programs, and one of three driving methods can be assigned to each of them (according to the number of engine hours, according to fixed priorities and for maximum efficiency). Archon then controls the operation of the compressor station in accordance with the selected control method, thereby saving operating costs. Of course, remote monitoring is possible via Ethernet or RS485 serial line.





Recuperation

With the help of ATMOS recuperation exchangers, it is possible to recuperate up to 72% of the electrical energy consumed in the production of compressed air. The return on investment is realistic within a one-year horizon. ATMOS heat exchangers are supplied as a compact external unit that is ready for installation.

Modulating valve

Proportional control with a modulating flap is a simple, functional and highly effective way of controlling compressor performance. The flow through the modulation flap on the compressor suction is regulated depending on the compressor outlet pressure, which results in lower electricity consumption and at the same time less dynamic stress on the compressor assembly. This results in lower operating costs and longer compressor life.

Technical parameters

		SEC 150	SEC 220	SEC 221	SEC 221 Vario	SEC 300	SEC 300 Vario	SEC 302	SEC 302 Vario	SEC 372	SEC 372 Vario
Electric motor rated power	[kW]	15	22	22	22	30	30	30	30	37	37
Working pressure	[bar]	8 / 10	8 / 10	8 / 10 / 13	8 / 10 / 13	8 / 10 / 13	8 / 10 / 13	8 / 10 / 13	8 / 10 / 13	8 / 10 / 13	8 / 10 / 13
Rated air delivery	[m ³ /min]	2,2 / 2,0	3,8 / 3,1	3,9 / 3,2 / 2,4	3,9 / 3,2 / 2,4	4,5 / 4 / 3,3	4,5 / 4 / 3,3	5,2 / 4,4 / 4,1	5,2 / 4,4 / 4,1	6,3 / 5,4 / 4,5	6,3 / 5,4 / 4,5
Noise level	[dB (A)]	72	72	72	72	75	75	65	65	66	66
Dimensions	[mm]	870×760×1065	1120×870×1350	1300×920×1270							
Weight	[kg]	360	540	545	595	620	670	690	730	720	760