

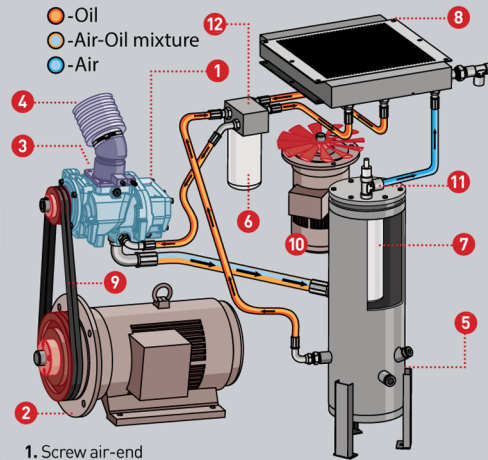
## Design and technical characteristics:

A-Series screw oil-filled compressors produce industrial compressed air with supreme air treatment, class 4 according to DIN ISO 8573-1.

### Base mounted version (A).

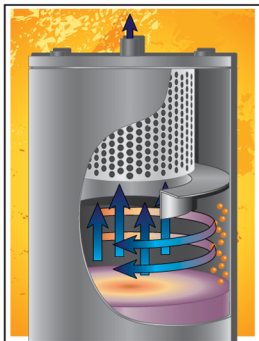


### Flow chart of compressor



1. Screw air-end
2. Electric motor
3. Air intake valve
4. Air filter
5. Separation vessel
6. Spin-On oil filter
7. Internal separator
8. Heat exchanger
9. Belt drive
10. Cooling Fan
11. Minimum pressure valve
12. Thermostatic valve

### Effective separation system



A-Series compressors are fitted with an effective three-phase separation system.

Most of the oil is separated under centrifugal force in the separator tank.

Some of the oil is separated by gravitational force during movement of oil inside the separator.

The remaining amount of oil is separated by a quality separation element.

The total amount of oil in compressed air at the outlet of the compressor does not exceed 3 mg/m<sup>3</sup>.

### Effective and reliable electric motor



A-Series compressors are fitted with quality electric motors with a high efficiency coefficient and world-class bearings from leading manufacturers.

The motors are not overloaded, but have a power reserve and overheat protection for windings.

Electric motor A55 A-Series

### Professional controller pro-Log



The professional controller **pro-Log** controls operation of the compressor in automatic mode, and also provides the user with necessary information on the working pressure, temperature of the air oil mixture, compressor's operation time, need for servicing, etc.

The professional controller allows several compressors to be combined into a joint system and be controlled remotely.

### Screw air-end



The air end has a contemporary energy-efficient screw shape.

This increases compressor efficiency and reduces maintenance and replacement costs.

Air-End A55 A-Series

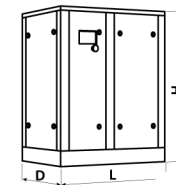
## Screw Compressors A-Series with capacity to 8,7 m<sup>3</sup>/min

A-Series are oil filled screw compressors designed for smooth and economical production of compressed air in industrial plants. They feature a compact, logically laid-out design, high quality materials and workmanship, using key components from leading manufacturers.



### Table of models operate in a capacity range up to 8,7 m<sup>3</sup>/min

Article	Model	Drive power (kW)	Max. operating pressure (bar)	Output (m <sup>3</sup> /min)	Rated voltage (phase/V/Hz)	Noise (dB)	Screw connection
11100081	A4508	45,0	8	7,0	3/380/50	75	1 1/2"
11100082	A4510		10	6,1			
11100083	A4513		13	5,3			
11100091	A5508	55,0	8	8,7			
11100092	A5510		10	7,4			
11100093	A5513		13	6,5			



### Dimensions A-type

Model	High (mm)	Deep (mm)	Wide (mm)	Weight (kg)
A45..	1730	1100	1650	950
A55..	1730	1100	1650	1150

The following models operate in a capacity range up to 8,7 m<sup>3</sup>/min:  
- A45..  
- A55..

### Features:

Modern, energy-efficient air-end.

Microprocessor controlled for optimal cost-effective compressor operation.

Through intelligent design of all key components, internal pressure losses are kept to a minimum, resulting in noticeable savings in total energy consumption.

Through the use of an effective oil separation system, a residual oil content in compressed air of maximum 3 mg/m<sup>3</sup> is attained.

pro-Log controller for more setting and control options, supervision via LAN and connection to a multi-compressor management system.

All filters and separators are easy to reach for economical service.



### The optimal choice of parameters

The rotation speed of the helical screw rotor unit is selected on the basis of the specific optimal performance. All compressor components have been designed according to parameters chosen for optimal performance and low operating costs. A-Series offer some of the lowest specific production costs of compressed air.

