

## 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).



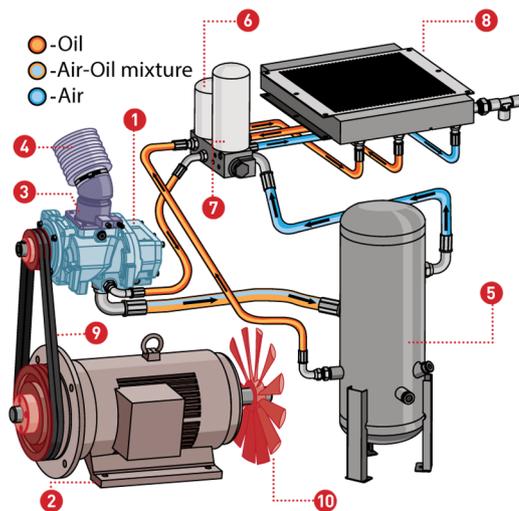
### Receiver mounted version (AR).

It has the following advantages:

- Prevents pulsation in compressed air line when number of appliances is increased.
- Reduces cyclicality in change of operating modes of compressors, which reduces wear on air end, electric motor and drive system.
- Considerable electrical energy efficiency.
- Condensate separation.



## 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. Spin-On separator
8. Heat exchanger
9. Belt drive
10. Cooling fan

### Controller e-Log

The controller **e-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 operation time, etc.



### Screw air-end

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

When the screw pair rotates, the air oil mixture, under the influence of excess pressure, fills the gaps between the rotors, preventing them from coming into contact with each other. This extends the service life of the screw pair.



Air-End A18 A-Series

## Screw Compressors A-Series with capacity to 3,6 m<sup>3</sup>/min

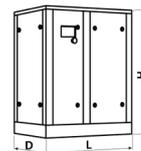
A-Series are oil filled screw compressors designed for smooth and economical production of compressed air in industrial plants. They feature a compact, logically laid-out design, high quality materials and workmanship, using key components from leading manufacturers.



Table of models operate in a capacity range up to 3,6 m<sup>3</sup>/min

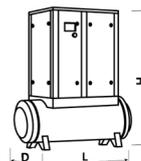
Article	Model	Drive power compressor (kW)	Max. operating pressure (bar)	Output (m <sup>3</sup> /min)	Rated voltage compressor (phase/V/Hz)	Noise (dB)	Receivers Volume (liter)	Refrigerated dryer, RDX-Series*	Screw connection
11100041	A1808	18,5	8	3,1	3/380/50	70	500	-	3/4"
11100042	A1810		10	2,5					
11100043	A1813		13	2,2					
11100045	AR1808		8	3,1					
11100046	AR1810		10	2,2					
11100023	ARD1808		8	3,1					
111100234	ARD1810	10	2,2	22,0	70	500	-	3/4"	
11100051	A2208	8	3,6						
11100052	A2210	10	3,0						
11100053	A2213	13	2,6						
11100055	AR2208	8	3,6						
11100056	AR2210	10	3,0						
11110027	ARD2208	8	3,6	-	70	500	-	3/4"	
11110028	ARD2210	10	3,0						x

\*For RDX technical data refer to the relevant documentation.



Dimensions A-type

Model	High (mm)	Deep (mm)	Wide (mm)	Weight (kg)
A18..	1270	800	1000	415
A22..	1270	800	1000	435



Dimensions AR / ARD-type

Model	High (mm)	Deep (mm)	Wide (mm)	Weight (kg)
AR18../ARD18..	1860	800	1800	570/630
AR22../ARD22..	1860	800	1800	590/650

### Features:

Modern, energy-efficient air-end.

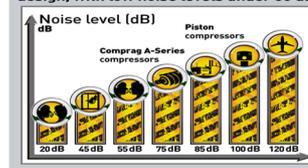
Microprocessor controlled for optimal cost-effective compressor operation.

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.

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

A-Series Compressors feature a compact design, with low noise levels under 80 dB



There are three versions of the A-Series screw compressor:  
A...base mounted version  
AR...receiver mounted version  
ARD...receiver mounted version with refrigerated dryer RDX

Comrag A-Series compressors are noise- and vibration-insulated and can be installed in any industrial premises in close proximity to the consumer.

This eliminates the need to install costly noise insulation and to run long compressed air lines, thereby reducing pressure losses and increasing system efficiency.