

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).



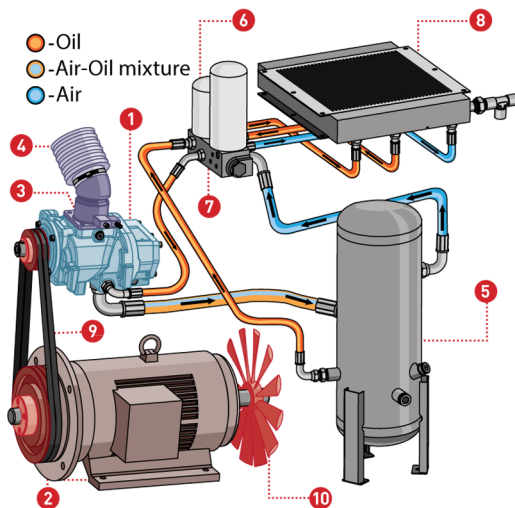
Receiver mounted version (AR).

It has the following advantages:

- prevents pulsation in compressed air line when number of appliances is increased.
- reduces cyclicity 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.



Air-End A11 A-Series

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.

Screw Compressors A-Series with capacity to 2,3 m³/min

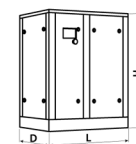
A-Series are oil filled screw compressors designed for smooth and economical production of compressed air in industrial plants. They feature a compact, logically laid-out design, high quality materials and workmanship, using key components from leading manufacturers.



Table of models operate in a capacity range up to 2,3 m³/min

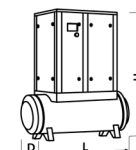
Article	Model	Drive power, compressor (kW)	Max. operating pressure (bar)	Output (m ³ /min)	Rated voltage compressor (phase/V/ Hz)	Noise (dB)	Receivers Volume (liter)	Refrigerated dryer, RDX-Series*	Screw connection
11100011	A0708	7,5	8	1,1	3/380/50	65	270	-	1/2"
11100012	A0710		10	0,8					
11100013	A0713		13	0,6					
11100015	AR0708		8	1,1					
11100016	AR0710		10	0,8					
11110011	ARD0708	8	1,1	67		270	x		
11110012	ARD0710	10	0,8						
11100021	A1108	8	1,6						
11100022	A1110	10	1,4						
11100023	A1113	13	1,3						
11100025	AR1108	8	1,6	69	270	-			
11100026	AR1110	10	1,4						
11110015	ARD1108	8	1,1						
11110016	ARD1110	10	0,8						
11100031	A1508	8	2,3				69	270	-
11100032	A1510	10	1,8						
11100033	A1513	13	1,5						
11100035	AR1508	8	2,3						
11100036	AR1510	10	1,8						
11110019	ARD1508	8	1,1	x					
11110020	ARD1510	10	0,8						

*For RDX technical data refer to the relevant documentation.



Dimensions A-type

Model	High (mm)	Deep (mm)	Wide (mm)	Weight (kg)
A07..	1170	700	900	285
A11..	1170	700	900	293
A15..	1170	700	900	315



Dimensions AR / ARD-type

Model	High (mm)	Deep (mm)	Wide (mm)	Weight (kg)
AR07../ARD07..	1650	700	1470	405/440
AR11../ARD11..	1650	700	1470	413/450
AR15../ARD15..	1650	700	1470	420/460

Features:

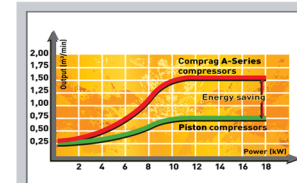
Modern, energy-efficient air-end.

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/m³ is attained.

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



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

Screw compressors offer significant energy savings in the 7.5 kW to 15 kW motor power range of compressors when compared to piston compressors.

For the same electrical power consumption, the specific cost per cubic meter of compressed air is significantly lower when using A-Series compressors.