

HEAVY DUTY EQUIPMENT

Screw Compressor, Air Dryer & Air Receiver Tank



**More Powerful
Motor**



**Silent
Operation**



**Energy
Saving**



**Excellent
Performance**

Araki Screw Air Compressor provides a more powerful motor, reliable and improved internal compressed air system. Highly optimized design, great energy saving and best internal structure. Products from Araki Screw Compressor are the best and profitable products for the progress of your business.

DIRECT DRIVEN
SCREW AIR COMPRESSOR

Fixed Speed Series



**Energy
Saving**



**More Powerful
Motor**



**Durable
and Reliable**

Araki Screw Air Compressor provides more powerful motor, reliable and better internal compressed air system. Extremely optimized design, greatly energy savings and the best internal structure.

BEST QUALITY ENGINE



German Brand Switch-gear

- Electric system built by CE electric regulation
- All CE certificated components
- Star-Delta starting as standard to reduce electric shock in start-up.



Advanced Monitoring & Smart Control

- Protect compressor in the event of faults
- Display message & necessary information for maintenance
- Sequence control available link 6 units
- Comfortable touch panel
- RS 485 interface

Design Features (Fixed-speed)

- Full side open cabinet structure
For easy maintenance
- 316 stainless seamless tubing
Non-corrosion and durability
- Easy maintenance
Cartridge type oil separator and oil filter
- Simple internal structure
For stable running and reliability

SPECIFICATIONS

Model		GTR-7.5LD	GTR-11LD	GTR-15LD	GTR-22LD	GTR-30LD	GTR-37LD	GTR-45LD	GTR-55LD	GTR-75LD	GTR-90LD	GTR-110LD
Capacity (m ³ /min)	8Bar	0.9	1.6	2.2	3.2	5.0	6.0	7.2	9.3	12.0	15.0	19.0
	10Bar	0.8	1.0	1.7	2.8	3.3	4.9	5.9	6.8	9.1	11.9	14.8
	13Bar	0.7	0.8	1.6	2.2	3.0	4.7	5.6	6.7	8.9	8.8	11.2
Air Exhaust Temperature		≤ Ambient Temperature +15° C										
Noise dB(A)		70±3			72±3			75±3			83±3	
Motor	Power (kw/hp)	7.5/10	11/15	15/20	22/30	30/40	37/50	45/60	55/75	75/100	90/125	110/150
	Start	Y-Δ										
	Voltage (V)	380V										
Transmission		Direct Driven										
Oil Content (PPM)		≤3										
Dimension (mm)	Width	900	1120	1120	1300	1460	1460	2000	2000	2000	2000	3000
	Width	650	750	750	920	1040	1040	1250	1250	1390	1540	1550
	Height	870	980	980	1170	1250	1250	1640	1640	1640	1800	1900
Weight (kgs)		205	290	300	440	600	635	1060	1120	1200	2050	2510
Air Outlet Diameter		G3/4	G1	G1	G1	G1 1/2	G1 1/2	G1	G2	G2	G2	DN65

PERMANENT-MAGNETIC MOTOR DRIVE
SCREW AIR COMPRESSOR

Variable Speed Control Series



**Energy
Saving**



**More Powerful
Motor**



**Durable
and Reliable**

Araki Screw Air Compressor provides more powerful motor, reliable and better internal compressed air system. Extremely optimized design, greatly energy savings and the best internal structure.



Advanced motor control technology

- Industrial grade electrical & electronic components
- Outstanding reliability grade
- Stable motor torque control
- Proportional motor speed control as per variable air pressure
- 40% ~ 100% wide motor load control range



German Brand Switch-gear

- Electric system built by CE electric regulation
- All CE certificated components
- Star-Delta starting as standard to reduce electric shock in start-up.



Advanced Monitoring & Smart Control

- Protect compressor in the event of faults
- Display message & necessary information for maintenance
- Sequence control available link 6 units
- Comfortable touch panel
- RS 485 interface

Design Features (PM-VSD)

- Full side open cabinet structure
For easy maintenance
- 316 stainless seamless tubing
Non-corrosion and durability
- Higher efficiency IE4 grade permanent -
magnetic motor
Long operation life /Lower power loss
Non-bearing system (maintenance-free)
Optional IP55 motor provider for dust
heavy-duty
- Easy maintenance
Cartridge type oil separator and oil filter
- Simple internal structure
For stable running and reliability

SPECIFICATIONS

8 Bar

Model	GTR-7.5LDM	GTR-11LDM	GTR-15LDM	GTR-22LDM	GTR-37LDM	GTR-55LDM	GTR-75LDM
Free Air Delivery (m³/min)	1.0	1.8	2.3	3.3	6.2	9.5	12.3
Working Pressure bar	8						
Ambient Temperature Deg.C	3-40						
Cooling	Air - Cooled						
Discharge Temperature °C	≤Ambient Temp+15°C						
Noise Level dB(A)±2	70 ± 3			72 ± 3		75 ± 3	
Driven	Direct						
Rated Power kw	7.5	11	15	22	37	55	75
Starting	Variable Frequency Soft Starting						
Electricity V/Ph/Hz	380/3/50						
Length mm	850	900	900	970	1100	1800	1800
Width mm	600	750	750	895	1000	1400	1400
Height mm	945	1050	1050	1090	1250	1660	1660
Weight kg	240	300	330	370	505	1550	1680
Air Outlet Size G"	3/4"	1"	1"	1"	1-1/2"	2"	2"

13 Bar

Model		GTR-7.5LDM	GTR-11LDM	GTR-15LDM	GTR-22LDM	GTR-37LDM	GTR-55LDM	GTR-75LDM
Free Air Delivery (m³/min)		1.0	1.8	2.3	3.3	6.2	9.5	12.3
Working Pressure bar		13						
Ambient Temperature Deg.C		3-40						
Cooling		Air - Cooled						
Discharge Temperature °C		≤Ambient Temp+15°C						
Noise Level dB(A)±2		70 ± 3			72 ± 3		75 ± 3	
Driven		Direct						
Rated Power kw		7.5	11	15	22	37	55	75
Starting		Variable Frequency Soft Starting						
Electricity V/Ph/Hz		380/3/50						
Length	mm	850	900	900	970	1100	1800	1800
Width	mm	600	750	750	895	1000	1400	1400
Height	mm	945	1050	1050	1090	1250	1660	1660
Weight	kg	240	300	330	370	505	1550	1680
Air Outlet Size	G"	3/4"	1"	1"	1"	1-1/2"	2"	2"

HEAVY DUTY SCREW AIR COMPRESSOR

Built-in Packages Series



**Efficient
Delivery**



**More Powerful
Motor**



**Silent
Operation**

Araki Screw Air Compressor provides more powerful motor, reliable and better internal compressed air system. Extremely optimized design, greatly energy savings and the best internal structure.

IE3 Efficiency Motor

- (CE Certificated TEFC, IP55)

High Efficiency Screw Air-end

- (Low speed, low noise, higher capacity, longer & stable reliability)

Oil-separator System

- Low-oil carry over Separation (3ppm)
- Easy maintenance cartridge type separator all maintenance available as with open front panel

Low-sound, high-ventilation flow design

- 2 Centrifugal Fan (15kw, 11kw)
- Thermostatic Fan Control

Stable Power-train System Design

- Low speed driven
- European brand belt
- Easier tension adjusting design
- Optional: Poly-v Belt

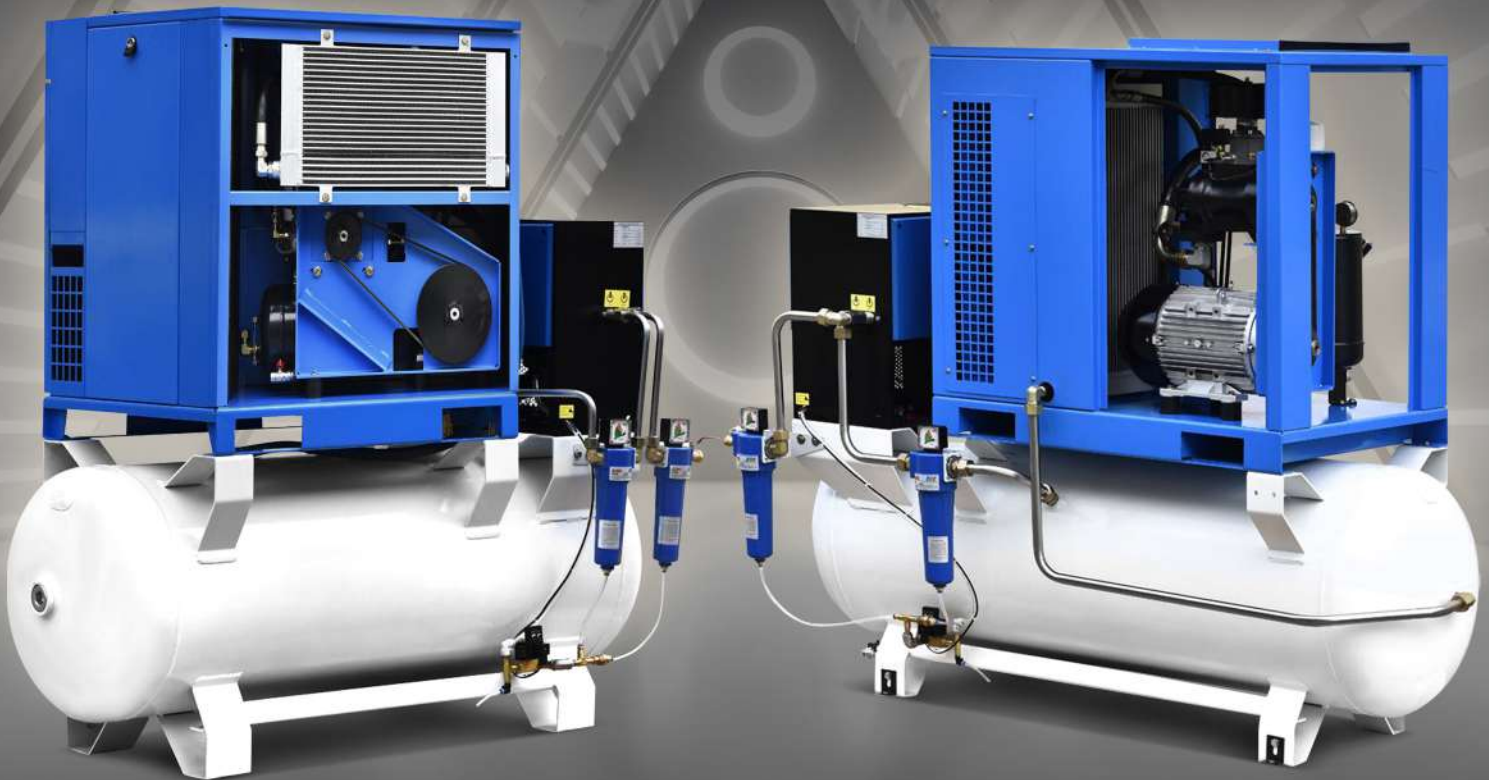
High-Efficiency Air Dryer

- CE Certificated
- Dew-point 5deg.c
- Larger sized capacity

Precised Line Filter & Pre-filter

Automatic Time-control Drain System

Stainless-steel Tubing



Best Components & High Technology

- All electric components are European brand Schneider magnetic contactor.
- Star-Delta starting as standard to reduce electric shock in start-up.
- Main power switch as standard with safety lock system.
- Electric system build by CE electric regulation.
- All CE certificated components.

Solid & Silent

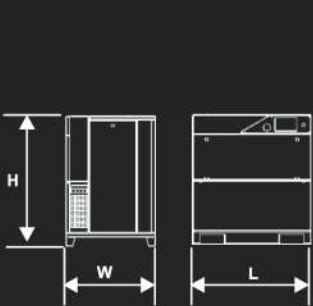
- Engineered to effectively minimize noise levels, Araki rotary screw compressors are designed with solid steel base frames and floors, powder-coated, heavy gauge, acoustically insulated steel cabinets and sound-attenuating foam barriers with and oil-resistant coating.

Fixed Speed, Belt Drive

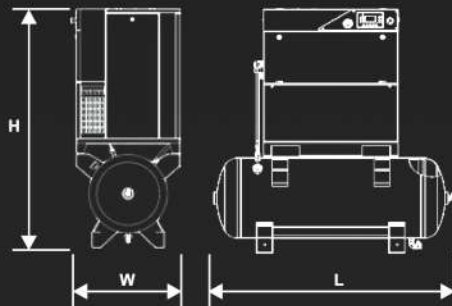
- Araki Systems fixed speed, belt-drive is ideal for continuous-use applications with constant compressed air demand. Demonstrating efficient power transmission from the motor to the air-end, the fixed-speed, belt-drive provides maximum flexibility in pressure selection and features a single-point belt-tensioning system.

SPECIFICATIONS

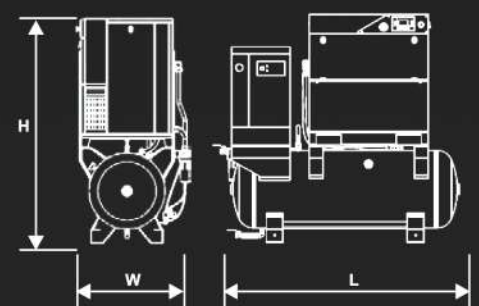
Product	Power		Tank	Working Pressure		Capacity		Driven	Weight		Dimension	Air Outlet
Model	Kw	Hp	Liter	barg	psig	m³/min	cfm		kg	lbs	LxWxH (mm)	bsp
Standard Package (400v, 50hz)												
GTR-7.5BDS	7.5	10	-	10	145	1.1	39	Belt Driven	250	551	860x650x945	3/4"
GTR-11BDS	11	15	-			1.6	58		325	717	1050x755x1010	
GTR-15BDS	15	20	-			2.2	78		345	761	1050x755x1010	
Standard Package on the tank (400v, 50hz)												
GTR-7.5BDT	7.5	10	270	10	145	1.1	39	Belt Driven	365	805	1560x650x1560	3/4"
GTR-11BDT	11	15	360			1.6	58		439	968	1660x950x720	
GTR-15BDT	15	20	360			2.2	78		395	992	1660x950x1720	
Built-in Package (Receiver tank + Air dryer + 2 line filter + Auto drain with solenoid valve & timer control)												
GTR-7.5BDB	7.5	10	360	10	145	1.1	39	Belt Driven	460	1014	1660x810x1650	3/4"
GTR-11BDB	11	15	500			1.6	58		550	1212	1950x950x1720	
GTR-15BDB	15	20	500			2.2	78		570	1256	1950x950x1720	



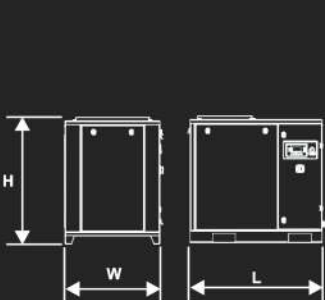
Standard Package



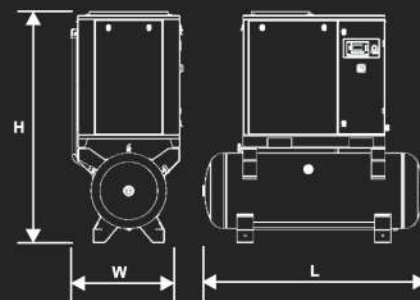
Standard Package on the tank



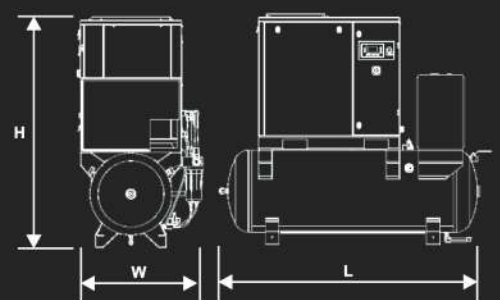
Built-in Package



Standard Package



Standard Package on the tank



Built-in Package

HEAVY DUTY AIR DRYER MACHINE

Best Component & High Quality Material



Energy Saving



Environmental
Protection



High Efficiency

Air dryer is a device designed to remove moisture or humidity from the air. It plays a crucial role in various industries and applications, from compressed air systems in manufacturing to everyday household appliances.



Advantages for aluminum alloy three in one heat exchanger refrigerated air dryer



Energy Saving

Aluminum alloy three in one heat exchanger design, the refrigeration process loss is approaching the minimum, increasing the cooling capacity Under the same amount of processing, the total input power of the model is reduced by 15~50%.



Environmental Protection

In response to the international Montreal agreement, this series of models all adopt R134a and R410 environmental protection refrigerants, The destruction to the atmosphere is zero and meet the needs of the international market.



High Efficiency

An integral heat exchanger is provided with a flow guiding fin, so that the compressed air can be uniformly heated in the interior, Built in gas water separation device, equipped with stainless steel strainer, water separation is more thoroughly.

- ▶ Energy Saving
- ▶ High Efficiency
- ▶ Intelligent
- ▶ Environmental protection
- ▶ Stable

RD-LD Series Condition

- Ambient temperature : 38°C , Max. 42°C
- Inlet temperature : 38°C , Max. 65°C
- Working pressure : 0.7MPa , Max. 1.6MPa
- Pressure dew point : 2°C~10°C
(Air dew point : -23°C~-17°C)
- Installation environment : no sun, no rain, good ventilation, device level hard ground, no dust and fluff.

SPECIFICATIONS

RD series Refrigerated Air Dryer	MODEL	RD-01-LD LD Blue	RD-02-LD LD Blue	RD-03-LD LD Blue	RD-06-LD LD Blue	RD-08-LD LD Blue	RD-10-LD LD Blue	RD-12-LD LD Blue	RD-15-LD LD Blue
	M³/min	1.2	2.4	3.6	6.5	8.5	11	13.5	17
Power Supply									
Input Power	KW	0.37	0.52	0.73	1.26	1.87	2.43	2.63	2.7
Air Pipe Connection		RC3/4"		RC1"	RC-1/2"	RC2"			RC2.5"
Evaporator Type		Alumunium Alloy Plate							
Refrigerant Model		R134a		R410a					
System Max. Pressure Drop	Mpa	0.025							
Intelligent Control and Protection									
Display Interface		LED dew point display, LED alarm code display, operation status indication							
Intelligent anti-freezing Protection		Constant pressure expansion valve & compressor automatic start /stop							
Temperature Control		Automatic control of condensing temperature / dew point temperature							
High Voltage Protection		Temperature Sensor		Temperature Sensor & Inductive Intelligent Protection					
Low Voltage Protection		Temperature Sensor & Inductive Intelligent Protection							
Weight	KG	34	42	50	63	73	85	94	135
Dimension	L	480	520	580	700	770	770	800	1000
	W	380	430	460	540	590	590	610	850
	H	665	725	785	910	990	990	1030	1160

H E A V Y D U T Y
AIR RECEIVER TANK

Best Component & High Quality Material



Energy Saving



**Environmental
Protection**

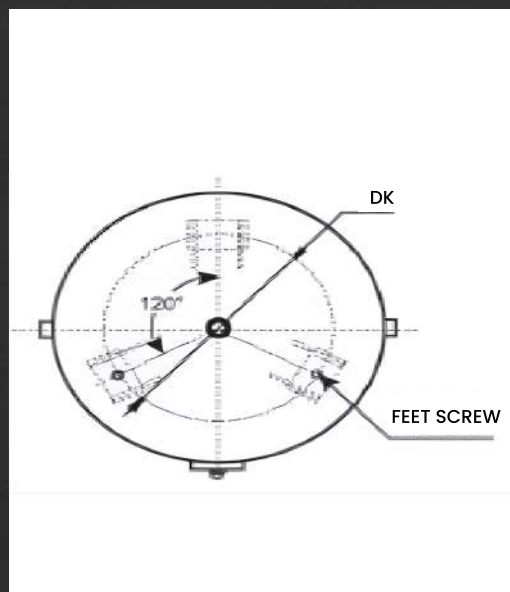
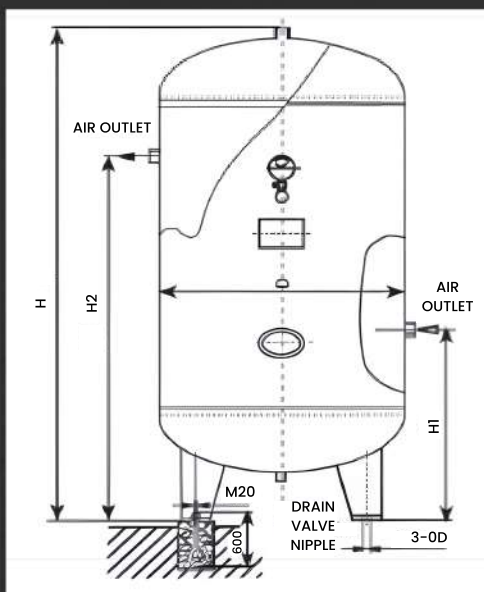


High Efficiency

Air receiver tank, a critical component in compressed air systems, serves as a strategic reservoir designed to enhance the efficiency and stability of compressed air utilization across diverse industrial contexts.

SPECIFICATIONS

Specificaton		Dimension		Air Inlet		Air Outlet		Safety Valve	Drain Valve
Volume	Pressure (bar)	H (mm)	D (mm)	H1 (mm)	D1 (mm)	H2 (mm)	D2 (mm)	(Port Size)	(Port Size)
300L	10	1570	550	480	Rc1-1/2	1210	Rc1-1/2	Rc1	R3/4
300L	16	1577	550	485	Rc1-1/2	1215	Rc1-1/2	Rc1	R3/4
500L	13	2054	600	535	Rc1-1/2	1635	Rc1-1/2	Rc1	R3/4
600L	8	2054	650	550	Rc1-1/2	1410	Rc1-1/2	Rc1	R3/4
600L	10	1846	650	550	Rc1-1/2	1410	Rc1-1/2	Rc1	R3/4
1000L	8	2143	800	570	Rc1-1/2	1670	Rc1-1/2	Rc1	R3/4
1000L	10	2144	800	570	Rc1-1/2	1670	Rc1-1/2	Rc1	R3/4
1000L	13	2151	800	575	Rc1-1/2	1675	Rc1-1/2	Rc1	R3/4
1500L	10	2276	1000	756	Rc2-1/2	1656	Rc2-1/2	Rc1	R3/4
2000L	10	2780	1000	760	Rc2-1/2	2160	Rc2-1/2	Rc1	R3/4
3000L	10	2488	1400	920	Rc2-1/2	1750	Rc2-1/2	Rc1-1/2	R3/4
4000L	10	3158	1400	920	Rc2-1/2	2420	Rc2-1/2	Rc1-1/2	R3/4
5000L	10	3808	1400	970	PL100(B)	3070	PL100(B)	Rc1-1/2	R3/4





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