

Atlas Copco

Commercial Piston Compressors
AR Series (5-20 hp)



Sustainable Productivity

Atlas Copco

Atlas Copco's AR Series: solid performance and exceptional reliability

Atlas Copco compressors are the first choice for quality compressed air and superior operational reliability. As a global leader in product innovation all Atlas Copco products are engineered to integrate seamlessly, ensuring the highest level of reliability and energy efficiency. With a global presence in over 150 countries, we can provide unrivalled service to maintain and continually improve your compressed air system performance.

Atlas Copco compressors set the standard for performance and reliability in the compressed air industry. The new AR Series of intermittent, piston compressors are no exception. The entire AR Series are designed and manufactured to meet the high demands of workshops and light industry. With over 100 years of experience in leading the compressor manufacturing industry, the AR combine the best in quality, efficiency and reliability in an affordable piston compressor. We back this up with our standard 2-year bumper to bumper warranty on all assembled models.

Two Stage Compressor



Two Stage Pistons

5-20 hp / 175 psi

Available in vertical or horizontal configurations, these highly reliable and long lasting compressors are perfect for any number of applications.



- ASME tanks and safety valves insure these compressors will be a safe addition to any facility.
- Easily accessible and high efficiency inlet air filters provides confidence that your compressor will provide "clean" air and an extended operational life.
- The two-stage, slow running design coupled with the finned cylinders and aftercooler delivers a high efficiency design and exceptional reliability.
- Single and three phase motors are available to suit every supply voltage.
- Magnetic starters are standard on every HP size ensuring motor is adequately protected.
- Large multi blade flywheel with fully enclosed PVC coated wire belt guard ensuring low noise, safe operation and superior cooling.
- Start-stop pressure switch control.
- Viton shaft seals on the 5 & 7.5 HP for exceptional sealing and enhanced reliability.
- Cast iron construction on the 10 HP pumps for extended life for higher demand applications.
- Standard two year bumper to bumper warranty.

Technical specifications

HP	MODEL	TANK Gallons	DISPLACEMENT CFM	ACFM		L x W x H inches	SHIP WT lb	RECOMMENDED DRYER MODEL
				@ 100psi	@ 175psi			
5	AR-5EV-60V	60 vertical	18.6	15.3	13.8**	31 x 22 x 72	300	FXHT-1
5	AR-5EV-80V	80 vertical	18.6	15.3	13.8**	36 x 24 x 73	382	FXHT-1
5	AR-5E-80V	80 vertical	22.4	18.5	16.6	36 x 24 x 77	428	FXHT-1
5	AR-5-80V	80 vertical	22.4	18.5	16.6	36 x 24 x 77	457	FXHT-1
5	AR-5-80H	80 horizontal	22.4	18.5	16.6	71 x 24 x 49	471	FXHT-1
7.5	AR-7.5-80V	80 vertical	32.5	25.3	22.3	36 x 24 x 77	479	FXHT-1
7.5	AR-7.5-80H	80 horizontal	32.5	25.3	22.3	71 x 24 x 49	538	FXHT-1
10	AR-10-120V	120 vertical	42.4	35	32	42 x 30 x 74	890	FXHT-2
10	AR-10-120H	120 horizontal	42.4	35	32	73 x 24 x 49	830	FXHT-2

**Max pressure is 165 psi

Magnetic starters not required on the AR-5EV and AR-5E

Packaged Horizontal and Vertical Mounted Two Stage

5-20 hp / 175 psi

The AR packaged units include an automatic, pressure actuated condensate drain that reduces maintenance time by eliminating the daily draining of the tank. Additionally these units have a low oil level switch for added protection and a aftercooler as standard. These units are the ultimate in protection and and easy of maintenance.



- Low Maintenance – No need for a daily manual drain of your tank.
- Extra Protection – Ensures oil level is above the minimum level before operation.
- High Quality Compressed Air – 5 hp and 7.5 hp units have a triple pass aftercooler and 10 hp units have a belt guard mounted aftercooler for effective moisture removal.
- Standard two year bumper-to-bumper warranty.

Technical specifications

HP	MODEL	TANK Gallons	DISPLACEMENT CFM	ACFM		L x W x H inches	SHIP WT lb	RECOMMENDED DRYER MODEL
				@ 100psi	@ 175psi			
5	AR-5-80V PKG	80 vertical	22.4	18.5	16.6	36 x 24 x 77	467	FXHT-1
5	AR-5-80H PKG	80 horizontal	22.4	18.5	16.6	71 x 24 x 49	501	FXHT-1
7.5	AR-7.5-80V PKG	80 vertical	32.5	25.3	22.3	36 x 24 x 77	548	FXHT-1
7.5	AR-7.5-80H PKG	80 horizontal	32.5	25.3	22.3	71 x 24 x 49	491	FXHT-1
10	AR-10-120V PKG	120 vertical	42.4	35	32	42 x 30 x 78	900	FXHT-2
10	AR-10-120H PKG	120 horizontal	42.4	35	32	73 x 24 x 53	840	FXHT-2

Duplex Horizontal Mounted Two Stage

10-20 hp / 175 psi

The AR duplex units are constructed with two compressor pumps and a highly efficient lead-lag control system. These compressors will meet your extra demand and can double the lifetime of your compressed air system giving you unmatched energy savings and decreased energy costs.



- Twin mounted compressor set for efficient lead – lag control.
- Includes dual pressure switches and alternator.
- Running hours are balanced for equal lifetime.
- Both can operate when needed to give maximum output at 20 hp.
- Single phase is available for up to 15 hp.
- Start-stop pressure switch control.
- Standard two year bumper to bumper warranty.

Technical specifications

HP	MODEL	TANK Gallons	DISPLACEMENT CFM	ACFM		L x W x H inches	SHIP WT lb	RECOMMENDED DRYER MODEL
				@100psi	@175psi			
5	AR-10-120H D	120 horizontal	44.8	37	33	77 x 27 x 56	778	FXHT-1
7.5	AR-15-120H D	120 horizontal	65	50.5	44.6	77 x 27 x 56	896	FXHT-3
10	AR-20-120H D	120 horizontal	84.8	70	64	81 x 27 x 52	1395	FXHT-4
10	AR-20-200H D	200 horizontal	84.8	70	64	85 x 27 x 52	1525	FXHT-4

Gas Driven Tank Mounted Two Stage

9-13 hp / 175 psi

Powered by fuel efficient, reliable and proven gas engines from a variety of manufacturers, the AR gas driven compressor is handy for a variety of outdoor and mobile applications. There is not need for an auxiliary power supply. These AR units are controlled with a pilot valve to reduce engine speed on low demand, producing less noise and extending the lifetime of the engine.



- Standard 12 volt electric and recoil start.
- Engine oil monitor.
- Includes a portable 30 gallon movable tank.
- Pilot valve control to reduce engine speed on low demand.
- Fully enclosed belt guard and ASME safety valves.
- Standard two year bumper to bumper warranty.



Technical specifications

HP	MODEL	ENGINE*	TANK Gallons	DISPLACEMENT CFM	ACFM		L x W x H inches	SHIP WT lb
					@ 100psi	@ 175psi		
9	AR-9-30H-R-G	Robin	30 horizontal	19.5	16	14.4	45 x 19 x 38	328
10	AR-10-30H-B-G	Briggs	30 horizontal	19.5	16	14.4	45 x 19 x 38	328
11	AR-11-30H-H-G	Honda	30 horizontal	22.4	18.5	17	45 x 19 x 45	358
13	AR-13-30H-K-G	Kohler	30 horizontal	22.4	18.5	17	45 x 19 x 45	369
13	AR-13-30H-H-G	Honda	30 horizontal	33	25.3	22	45 x 19 x 45	358
13	AR-13-30H-KP-G	Kohler	30 horizontal	33	25.3	22	45 x 19 x 45	369

Block Compressors - Two Stage

5-10 hp / 175 psi

Thanks to its compact design and superior cooling efficiencies, the AR block unit is versatile for a variety of OEM applications such as in the mobile and utility industries. The AR block can be combined with your particular choice of driver (hydraulic, diesel, etc.) to provide the solid performance and exceptional reliability you would expect from an Atlas Copco air compressor.

- Highly efficient and easily accessible air filter for "clean" operation and longer lifetime.
- Finned cylinder and head for cooler running and extended reliability.
- Large multi blade flywheel for low noise.
- Standard one year bumper to bumper warranty.



Technical specifications

HP	MODEL	DISPLACEMENT CFM	ACFM		L x W x H inches	SHIP WT lb
			@ 100psi	@ 175psi		
9/10 (engine)	AR-9-10-G	19.5	16	14.4	45 x 19 x 38	60
5	AR-5E-P1	18.6	15.3	13.8	45 x 19 x 38	50
5/7.5	AR-5-7.5-P2	22.4/32.5	18.5/25.3	16.6/22.3	45 x 19 x 45	101
10	AR-10-P3	44.5	37.2	35.4	45 x 19 x 45	169

Contractor Series

1-12.75 hp

Ideally suited for small portable construction applications, the Contractor Series provides affordable compressed air in a small light-weight package. Low profile design, semi-pneumatic wheel, heavy gauge wire belt guard and rugged pump design provide the

Contractor Series compressors with convenient point-of-use versatility. Models are available with electric or gas drive.



Technical specifications

HP	MODEL	AMPS	MOTOR Volts/Hz	TANK gal	CFM Displ	CFM @100psi	L x W x H inches	SHIP WT lb
Single Stage Electric Contractor Series (130 psi maximum)								
1.5	AR-1.5-2X4V-1-C	14	115/1	2 x 4	8.5	5.4	46 x 23 x 26	130
2	AR-2-2X4V-1-C	19/9.5	115/230/1	2 x 4	8.7	6.5	46 x 23 x 26	130
HP	MODEL	ENGINE	STARTER	TANK gal	CFM Displ	CFM @100psi	L x W x H inches	SHIP WT lb
Single Stage Gasoline Drive Contractor Series (130 psi maximum)								
5.5	AR-5.5-2X4V-H-G	Honda	Recoil	2 x 4	18.4	12.4	46 x 23 x 26	221
6	AR-6-2X4V-R-G	Robin	Recoil	2 x 4	18.4	12.4	46 x 23 x 26	221
HP	MODEL	ENGINE	STARTER	TANK gal	CFM Displ	CFM @100psi	L x W x H inches	SHIP WT lb
Two Stage Gasoline Drive Contractor Series (175 psi maximum)								
9	AR-9-2X4V-R-G	Robin	Recoil	2 x 5	22.4	18.6	50 x 29 x 37	316
9	AR-9-2X5V-H-G	Honda	Recoil	2 x 5	22.4	18.6	50 x 29 x 37	316
12.75	AR-12.75-2X5V-K-G	Kohler	Elec & Recoil	2 x 5	33	25.3	50 x 29 x 37	345

Optional Equipment

- Meeting your requirements for cleaner, dryer air
- Protecting your investment and end products
- Reducing your service and maintenance costs



Belt Guard Mounted Aftercooler

Cools down the air to provide trouble-free protection against the costly effects of water in your system.



Low Oil Level Switch

Prevents compressor from starting if the oil level drops below the minimum level.



FXHT Range of Dryers

Avoid condensation and chance of corrosion and damage by removing water from the compressed air system.



Electronic or Pneumatic Tank Drain

Provides automatic drainage of the condensate which collects at the bottom of the air tank.



In line Filters

General purpose, high efficiency and odor removal line filters to meet your high quality compressed air needs.

MODEL	39°F PDP SCFM	50°F PDP SCFM	OPERATING KW	CONNECTION Size	PRE-FILTER	AFTER-FILTER	L x W x H inches	SHIP WT lb
FXHT-1	20	25	0.44	0.5" NPT	DD-17	PD-17	18 x 19 x 18	85
FXHT-2	40	50	0.77	0.5" NPT	DD-32	PD-32	18 x 19 x 18	128
FXHT-3	60	75	0.85	1" NPT	DD-32	PD-32	28 x 18 x 40	183
FXHT-4	80	100	1.20	1" NPT	DD-44	PD-44	28 x 18 x 40	194
FXHT-5	100	125	1.25	1" NPT	DD-50	PD-50	28 x 18 x 40	200

Maintenance kits are also available for a 100% trouble free lifetime and to ensure the smooth operation of your AR compressor.



Driven by innovation

With almost 140 years of innovation and experience, Atlas Copco delivers the products and services to help maximize your company's efficiency and productivity. As a global industry leader, we are dedicated to offering high air quality at the lowest possible cost of ownership. Through continuous advancements, we strive to safeguard your bottom line and bring you peace of mind.



Local interaction

Atlas Copco Compressors LLC is part of the CompressorTechnique Business Area, and its headquarters are located in Rock Hill, SC. The company manufactures, markets, and services oil-free and oil-injected stationary air compressors, air treatment equipment, and air management systems, including local manufacturing of select products. In each of the past five years, Atlas Copco Compressors has continually increased investments in new U.S. facilities with major manufacturing, production, and distribution facilities located in Texas, North Carolina and South Carolina. Across all of our different business types and brands, Atlas Copco employs approximately 4,000 people in the U.S.



Committed to sustainability

In 2012, Atlas Copco AB was named one of the Top 100 Sustainable Companies in the World for the sixth year, and since 2011 has been recognized by Forbes, Thomson-Reuters and Newsweek, among others, for our commitment to innovation and sustainability. All Atlas Copco Compressors facilities in the United States are triple certified to ISO 14001, ISO 9001 and OHSAS 18001; a set of standards to protect the environment, ensure product quality, and promote our employees' health and occupational safety.

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