

Atlas Copco

Cast iron piston compressors
LS/LP (5-30 hp)



Sustainable Productivity

Atlas Copco

High efficiency, lasting performance

Atlas Copco is pleased to introduce two new piston compressor ranges with the LS and LP. Both deliver a winning combination of outstanding reliability matched with maximum efficiency. Capitalizing on a combination of computer-aided design, computer-controlled machining processes and heavy duty cast iron construction, the new LS and LP two-stage compressors deliver up to 175 psig with 24/7 reliability.



Rugged and reliable

The LS and LP two-stage compressors are meticulously designed for maximum productivity and reliability. A one-piece aluminum head optimizes strength and dissipates heat, while an innovative valve design provides outstanding volumetric efficiency.



Engineered to last

The LS and LP are engineered using state-of-the-art manufacturing techniques. From computer-aided design to computer-controlled machine tools, every LS and LP is a product of design excellence. Virtually maintenance free, every component is easily accessible.



Energy efficient

Leading the industry, the LS and LP offer a winning combination of high reliability and energy savings. They provide the compressed air you need to keep your operations running efficiently with maximum uptime.



Highly flexible

The highly efficient LP and LP air compressors also offer a duplex design with dual compressor heads. This dual compressor design allows for lead-lag control in periods of high demand as well as spread workload across two compressors.



Lasting performance

Available in a full range of horsepower increments, the LS and LP are ideal for industrial, automotive and commercial applications requiring up to 175 PSIG. Heavy duty, cast iron construction ensures durability in the most demanding environments.

LS: Rugged and reliable



Enhanced efficiency

- ▶ Stainless steel valve design for highest volumetric efficiency on the market.
- ▶ Rigid tolerances of the cast iron cylinders.
- ▶ High efficiency intercooler.
- ▶ Balanced counter weighted crankshaft for smooth operation.

Easy maintenance

- ▶ 2-piece connecting rods.
- ▶ Oil sight glass gauge.

High performance

- ▶ One-piece aluminum head for heat dissipation.
- ▶ Industrial class bearings for longevity.
- ▶ Oversized oil reservoir for low oil temperatures.
- ▶ 3-piece rings for less than 5 ppm oil carryover.
- ▶ ASME coded pressure safety valves.



Technical Specifications

Simplex

MODEL	hp	Tank	ACFM		L x W x H	Weight
		Gallons	@ 100 psi	@ 175 psi	in	lb
LS 5-175 80H	5	80 Horizontal	17.7	17.2	66 x 23 x 47	680
LS 5-175 80V	5	80 Vertical	17.7	17.2	34 x 25 x 73	680
LS 7.5-175 80H	7.5	80 Horizontal	23.8	22.6	66 x 23 x 47	725
LS 7.5-175 80V	7.5	80 Vertical	23.8	22.6	34 x 25 x 73	725
LS 10-175 120H	10	120 Horizontal	35.9	35.0	72 x 29 x 56	1000
LS 10-175 120V	10	120 Vertical	35.9	35.0	41 x 30 x 79	1000
LS 15-175 120H	15	120 Horizontal	54.4	51.0	72 x 31 x 55	1025

Duplex

MODEL	hp	Tank	ACFM		L x W x H	Weight
		Gallons	@ 100 psi	@ 175 psi	in	lb
LS 5-175 80D	5	80 Horizontal	35.4	34.4	72 x 27 x 47	1000
LS 7.5-175 120D	7.5	120 Horizontal	47.6	45.2	77 x 28 x 53	1300
LS 10-175 200D	10	200 Horizontal	71.8	70.0	78 x 45 x 64	2200
LS 15-175 200D	15	200 Horizontal	109	102	78 x 60 x 64	2430

Base-mounted

MODEL	hp	Tank	ACFM		L x W x H	Weight
		Gallons	@ 100 psi	@ 175 psi	in	lb
LS 5-175 BM	5	N/A	17.7	17.2	34 x 26 x 28	425
LS 7.5-175 BM	7.5	N/A	23.8	22.6	34 x 26 x 28	465
LS 10-175 BM	10	N/A	35.9	35.0	38 x 29 x 31	575
LS 15-175 BM	15	N/A	54.4	51.0	54 x 32 x 31	820

LP: High pressure at low cost



Superb efficiency

- ▶ Stainless steel valve design for highest volumetric efficiency on the market.
- ▶ Rigid tolerances of the cast iron cylinders.
- ▶ High efficiency intercooler.
- ▶ Balanced counter weighted crankshaft for smooth operation.
- ▶ Coalescing aluminum mesh crankcase breather reduces oil vapor.

Low maintenance

- ▶ 2-piece connecting rods.
- ▶ Oil pressure gauge.



Top performance

- ▶ One-piece aluminum head for heat dissipation.
- ▶ Industrial class bearings for longevity.
- ▶ Oversized oil reservoir for low oil temperatures.
- ▶ 3-piece rings for less than 5 ppm oil carryover.
- ▶ ASME coded pressure safety valves.
- ▶ Pressure lubrication 10 and 30 hp models (5 and 7.5 hp crankshaft bearings only).

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Simplex

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Configurations

	Low oil level switch	Aftercooler	Electronic drain	Beltguard aftercooler	Pneumatic drain	TEFC Motor	NEMA 4 Control panel
LA CONFIGURATION	•	•					
EA CONFIGURATION			•	•			
PA CONFIGURATION				•	•		
ELA CONFIGURATION	•		•	•			
PLA CONFIGURATION	•			•	•		
TN4 CONFIGURATION						•	•

Accessories

If your application involves power tools, wood working or painting, the LS/LP range can be matched with the right accessories for a fast and professional result. Supported by Atlas Copco professional partners, the LS/LP compressor keeps on enhancing your productivity.





Driven by innovation

With more than 135 years of innovation and experience, Atlas Copco will deliver the products and services to help maximize your company's efficiency and productivity. As an industry leader, we are dedicated to offering high air quality at the lowest possible cost of ownership. Through continuous innovation, we strive to safeguard your bottom line and bring you peace of mind.



Building on interaction

As part of our long-term relationship with our customers, we have accumulated extensive knowledge of a wide diversity of processes, needs and objectives. This gives us the flexibility to adapt and efficiently produce customized compressed air solutions that meet and exceed your expectations.



A committed business partner

With a presence in over 170 countries, we will deliver high-quality customer service anywhere, anytime. Our highly skilled technicians are available 24/7 and are supported by an efficient logistics organization, ensuring fast delivery of genuine spare parts when you need them. We are committed to providing the best possible know-how and technology to help your company produce, grow, and succeed. With Atlas Copco you can rest assured that your superior productivity is our first concern!

