

Industrial oil-lubricated aluminium piston compressors

LE/LT

Looking for a durable, high-performance compressed air solution for your specific industrial application? Designed with the highest attention to quality, Atlas Copco's LE/LT oil-lubricated aluminium piston compressors stand for exceptional reliability and low operating costs. LE is your compressor for 10 bar and the LT for 15, 20 or 30 bar applications. Incorporating state-of-the-art technology, LE/LT compressors deliver the lowest operating temperatures in the industry, while offering quality air with very low oil carryover. Proven design and high-quality materials ensure performance and extra long life. The LE/LT range is suitable for stand-alone use or easy integration in your OEM product. Atlas Copco also offers an oil-free piston compressor: the LF(x).



LE/LT Compressor

CUSTOMER BENEFITS

- **Solid reliability** – Thanks to a unique, robust design and the optimal combination of quality materials, LE/LT compressors offer improved performance and extended product life. The fan is designed for an optimal cooling air flow.
- **Low running costs** – Operational costs are limited and due to the use of highly durable components the compressors have a long lifetime.
- **Easy maintenance** – All components and service points are easily accessible.
- **Saving floor space** – The compressor block which is directly coupled to the motor is manufactured using lightweight materials. This provides excellent cooling characteristics: ideal for integration with limited space requirements.

FEATURES



- Oil-lubricated or 100% oil-free (see LF compressors)
- Direct drive
- Working pressure up to 30 bar
- IP-55 electric motors with ISO Class F

Valve assembly

The patented stainless "Flexi-Disc Valve Assembly" provides a consistent air flow. The system also has a special construction designed for very long operating times

Aluminum construction

The aluminum casing with cooling fins, supported by a large fan, ensures optimum heat dissipation.

Piston – cylinder assembly

The ideal combination of cylinders and pistons has an aluminum-silicon alloy and a graphite insert. This guarantees excellent, smooth operating characteristics, even with too little oil.



LE/LT 2–20
oil-lubricated piston compressors

Type	Maximum working pressure bar	Capacity FAD ⁽¹⁾		Motor rated power kW	Noise level ⁽²⁾		Container volume ⁽³⁾ L	Approx. Weight kg	Dimensions L x W x H mm
		l/s	m ³ /min		db(A)				
LE/LT – Piston compressors									
LE 2–10/90	10	3.40	0.20	1.5	80	65	90	85	1118 x 510 x 1017
LE 3–10/90	10	4.40	0.26	2.2	81	66	90	89	1118 x 510 x 1017
LE 5–10/250	10	8.40	0.50	4.0	81	66	250	150	1852 x 510 x 1082
LE 7–10/250	10	11.70	0.70	5.5	82	70	250	191	1852 x 592 x 1162
LE 10–10/250	10	15.70	0.94	7.5	83	70	250	203	1852 x 592 x 1162
LE 15–10/250	10	18.60	1.12	11.0	86	-	250	330	1852 x 790 x 1200
LE 20–10/250	10	23.90	1.43	15.0	86	-	250	360	1852 x 790 x 1200
LT 2–15/90	15	3.10	0.19	1.5	80	65	90	100	1118 x 533 x 1017
LT 3–15/90	15	4.00	0.24	2.2	81	66	90	104	1118 x 533 x 1017
LT 5–15/250	15	6.70	0.40	4.0	81	66	250	170	1852 x 533 x 1082
LT 7–15/250	15	9.20	0.55	5.5	82	70	250	211	1852 x 606 x 1162
LT 10–15/250	15	11.70	0.70	7.5	83	70	250	223	1852 x 606 x 1162
LT 2–20/90	20	2.10	0.13	1.5	80	65	90	100	1118 x 533 x 1017
LT 3–20/90	20	2.90	0.17	2.2	81	66	90	104	1118 x 533 x 1017
LT 5–20/250	20	5.00	0.30	4.0	81	66	250	170	1852 x 533 x 1082
LT 7–20/250	20	6.70	0.40	5.5	82	70	250	211	1852 x 606 x 1162
LT 10–20/250	20	9.10	0.55	7.5	83	70	250	223	1852 x 606 x 1162
LT 15–20/250	20	15.10	0.91	11.0	86	73	250	333	1852 x 830 x 1980
LT 20–20/250	20	18.00	1.08	15.0	86	73	250	361	1852 x 830 x 1980
LT 3–30	30	2.50	0.15	2.2	81	-	-	49	686 x 533 x 497
LT 5–30	30	4.40	0.26	4.0	81	-	-	51	686 x 533 x 497
LT 7–30	30	6.40	0.38	5.5	82	-	-	90	860 x 606 x 600
LT 10–30	30	8.50	0.51	7.5	83	-	-	102	932 x 606 x 600
LT 15–30	30	9.30	0.56	11.0	83	-	-	166	1024 x 682 x 675
LT 20–30	30	17.00	1.02	15.0	89	-	-	194	1103 x 713 x 675

⁽¹⁾ Capacity FAD measured in accordance with ISO 1217, Ed. 4, Appendix C-2009, reference conditions: dry intake air, intake pressure 1 bar, coolant temperature 20°C. Details for: 10-bar versions at 7 bar, 15-bar versions at 12 bar, 20-bar versions at 20 bar, 30-bar versions at 30 bar. Volume flow reduction through regeneration air requirement on versions with cd dryers.

⁽²⁾ Noise level* measured in accordance with ISO 2151, Edition 2004 with a tolerance of 3 dB(A); right column in table LE/LT for versions with canopy. Voltage 400 V/50 Hz. Other voltages available on request.

⁽³⁾ Other container sizes available on request



We can help you to choose the best option

As well as the product quality and product range, we have focused on a combined product portfolio. This includes compressors with a drive performance of 1.5–15 kW, and flow

of 3.4–24 l/s, as well as a variety of other options. We will help you find a compressor that suits your demands and requirements at all times.

**Special design / options-
the LE / LT series**



LE / LT unit



LE / LT with acoustic enclosure (Pack)



LE-/LT-Trolley mobile version available with electric or petrol engine



LE/LT (15 bar) on standing vessel



LE / LT (15 bar), special version. Complete compressed air station with FX refrigerant dryer and DD + PD filters, on vessel



LE / LT-special version Quality compressed air system with CD adsorption kit on container (volume reduction due to purge air requirement)