

Atlas Copco

Compact Oil-free Piston Compressors



LFx 0.7-2.0 series

0.5-1.5 kW / 0.7-2 hp



OIL-FREE AIR FOR A WIDE RANGE OF APPLICATIONS

Built for high performance and a long lifetime, Atlas Copco's range of small-capacity piston compressors provides you with a reliable, oil-free solution for your low air demands. They ensure a highly energy-efficient compressed air production thanks to the unique, patented "Super-flow" compressed air inlet system. The LFx compressors' capacity ranges from 1.02 up to 2.53 l/s (2.16 up to 5.36 cfm), with an optional 1- or 3-phase supply and a maximum working pressure of 10 bar (145 psi). Furthermore, with their small and compact design, they offer maximum installation flexibility.



→ FUNDAMENTALS & BENEFITS

- Standalone use or easy integration in your OEM (Original Equipment Manufacturer) product.
- Unique design and high-quality materials for reliable performance and extra long life.
- Certified ISO 8573-1 CLASS 0 by the renowned TÜV institute: guaranteed 100 % oil-free operation.
- Virtually maintenance-free (no oil change required).
- Clean and quiet operation (62 to 67 dB(A) standard).
- Compact design for trouble-free installation.
- Wide product scope to match your exact needs.
- Worldwide Atlas Copco sales & service network.



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- The Powerbox serves as a complete replacement package for receiver mounted units or for custom OEM applications.
- Low noise level: 62-64 dB(A)



LFx Powerbox

Options:

- Manifold (including pressure switch, safety valve, pressure regulator, pressure gauge and connections).

- Powerbox mounted on a 20 l internally epoxy-coated air receiver for storing oil-free clean air.
- Wheel set for easy transportation.
- Standard pressure switch for start/stop regulation, safety valve, pressure regulator, pressure gauge and 3 m cable and plug¹.



LFx Trolley

Options:

- Desiccant dryer.
- Galvanized receiver.
- Electronic timer drain.
- Solenoid valve.
- Cable & plug for UK, Switzerland, Italy or Australia.

- Powerbox mounted on a 50 or 90 l internally epoxy-coated air receiver for storing oil-free clean air.
- Standard pressure switch for start/stop regulation, safety valve, pressure regulator, pressure gauge and 3 m cable and plug¹.



LFx Tank Mounted

Options:

- Wheel set.
- Desiccant dryer.
- Galvanized receiver.
- Electronic timer drain.
- Solenoid valve.
- Cable & plug for UK, Switzerland, Italy or Australia.

¹ Standard CE 7/7 plug for 50 Hz / NEMA 5-20 plug for 60 Hz.

Technical specifications

		Maximum dimensions		Weight		Noise level
		mm (W x D x H)	inch (W x D x H)	kg	lbs	dB(A)
Powerbox	LFx 0.7/1.0	520 x 340 x 490	20.5 x 13.4 x 19.3	25	55	62-63
	LFx 1.5/2.0	520 x 340 x 490	20.5 x 13.4 x 19.3	29	63	63-64
Trolley (receiver 20 l)	LFx 0.7/1.0	520 x 440 x 824	20.5 x 17.3 x 32.4	44	97	62-64
	LFx 1.5/2.0	520 x 440 x 824	20.5 x 17.3 x 32.4	48	105	62-64
Tank mounted (vessel 50 l)	LFx 0.7/1.0	828 x 355 x 891	32.6 x 14 x 35	49	108	65-67
	LFx 1.5/2.0	828 x 355 x 891	32.6 x 14 x 35	53	117	65-67
Tank mounted (vessel 90 l)	LFx 0.7/1.0	960 x 364 x 973	37.8 x 14.3 x 38.3	64	141	65-67
	LFx 1.5/2.0	960 x 364 x 973	37.8 x 14.3 x 38.3	68	149	65-67

Compressor type	Max. working pressure		Capacity FAD			Installed power	
	bar	psig	l/s	m ³ /min	cfm	kW	hp
50 Hz							
LFx 0.7	10	145	1.02	0.06	2.16	0.55	0.7
LFx 1.0	10	145	1.38	0.08	2.92	0.75	1
LFx 1.5	10	145	2.07	0.18	4.38	1.1	1.5
LFx 2.0	10	145	2.53	0.12	5.36	1.5	2

Compressor type	Max. working pressure		Capacity FAD			Installed power	
	bar	psig	l/s	m ³ /min	cfm	kW	hp
60 Hz							
LFx 0.7	10	145	1.35	0.081	2.86	0.55	0.7
LFx 1.0	10	145	1.46	0.087	3.09	0.75	1
LFx 1.5	10	145	2.39	0.14	5.06	1.1	1.5

