



# COMPACT OIL-FREE PISTON COMPRESSORS

*Atlas Copco*

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 small-capacity piston compressors provide 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.

- 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 plug<sup>1</sup>.



**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 plug<sup>1</sup>.



**LFx Tank Mounted**

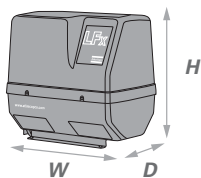
**Options:**

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

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

## TECHNICAL SPECIFICATIONS

		Maximum dimensions		Weight		Noise Level
		mm (WxDxH)	inch (WxDxH)	kg	lbs	dB(A)
<b>Powerbox</b>	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
<b>Trolley (vessel 20 l)</b>	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
<b>Tank Mounted (receiver 50 l)</b>	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
<b>Tank Mounted (receiver 90 l)</b>	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 <sup>3</sup> /hr	cfm	kW	hp
50 Hz							
LFx 0.7	10	145	1,02	3,6	2,16	0,55	0,7
LFx 1.0	10	145	1,38	4,8	2,92	0,75	1
LFx 1.5	10	145	2,07	7,5	4,38	1,1	1,5
LFx 2.0	10	145	2,53	9,1	5,36	1,5	2

Compressor Type	Max. working pressure		Capacity (FAD)			Installed Power	
	bar	psig	l/s	m <sup>3</sup> /hr	cfm	kW	hp
60 Hz							
LFx 0.7	10	145	1,35	4,8	2,86	0,55	0,7
LFx 1.0	10	145	1,46	5,2	3,09	0,75	1
LFx 1.5	10	145	2,39	8,6	5,06	1,1	1,5



ISO 9001 • ISO 14001  
OHSAS 18001