

## Compact oil-free piston compressors, 0.5-1.5 kW / 0.7-2 hp

### LFx 0.7 - 2.0

Atlas Copco's range of small-capacity piston compressors provides you a reliable, oil-free solution for your low air demands. The LFx ensures highly energy-efficient compressed air generation.

The LFx compressor's capacities range from 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).



#### CUSTOMER BENEFITS

- **Flexible installation** – The LFx's small and compact design offer maximum installation flexibility. The LFx is both suitable for stand-alone use and integration in your OEM (Original Equipment Manufacturer) product.
- **High reliability** – Thanks to a unique, robust design and the optimal combination of quality materials, LFx compressors offer improved performance and extended product life.
- **Certified 100% oil-free air** – LFx piston compressors provide 100% pure, clean air, complying with ISO 8573-1 CLASS 0 (2010) certification. CLASS 0 means zero risk of contamination; zero risk of damaged or unsafe products; zero risk of losses from operational downtime; and zero risk of damaging your company's hard-won professional reputation. In 2006, Atlas Copco was the first manufacturer in the world to receive such certification for an oil-free compressor.
- **Easy maintenance** – All components and service points are easily accessible and your LFx requires no oil changes.
- **Quiet operation** – The LFx is standard outfitted with a silencing hood. These compressors achieve noise levels as low as 62 dB(A), allowing installation close at the point of use.



| Variants                      | Type        | Dimensions        |                     | Weight |     | Noise level* |
|-------------------------------|-------------|-------------------|---------------------|--------|-----|--------------|
|                               |             | mm<br>(L x W x H) | inch<br>(L x W x H) | kg     | lbs |              |
| 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<br>(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<br>(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<br>(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        |

\* Unit performance measured according to ISO 1217, Ed. 4, 2009, Annex C.

\*\*Mean Noise level\* measured according to ISO 2151/Pneurop/Cagi PN8NTC2 test code; tolerance 2 dB(A).

Reference conditions:

- Absolute Inlet pressure, specify bar(a), ( e ) 1 bar (14.5 psi)
  - Intake air temperature 20°C, 68°F
- FAD is measured at 7 bar.

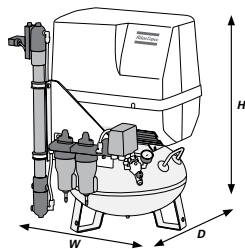
| Type    | Max. working pressure |      | Capacity FAD |                     |      | Installed motor power |     |
|---------|-----------------------|------|--------------|---------------------|------|-----------------------|-----|
|         | bar                   | psig | l/s          | m <sup>3</sup> /min | cfm  | kW                    | hp  |
| 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   |

| Type    | Max. working pressure |      | Capacity FAD |                     |      | Installed motor power |     |
|---------|-----------------------|------|--------------|---------------------|------|-----------------------|-----|
|         | bar                   | psig | l/s          | m <sup>3</sup> /min | cfm  | kW                    | hp  |
| 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 |

Dimensions standard versions:

LFx 0.7-1.0

H: 800 mm, 31.5"  
W: 550 mm, 21.7"  
D: 525 mm, 20.7"



LFx 1.5-2.0

H: 890 mm, 35"  
W: 828 mm, 32.6"  
D: 505 mm, 19.9"

