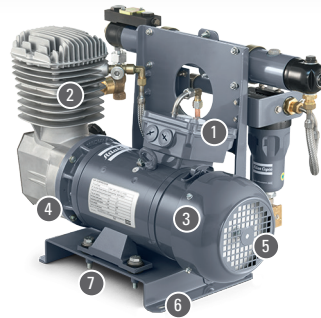
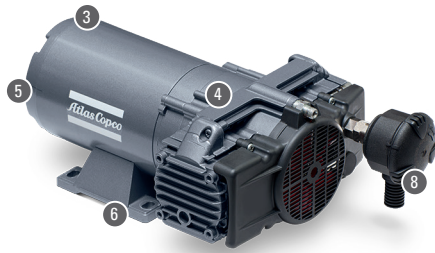


# Atlas Copco

## Railway Air Systems

### Pantograph compressor LFpR/LFxR



- 1 Metal terminal box with IP65 classification for easy and safe connection
- 2 Outlet arrangement at the same side of the terminal box and inlet filter for easy installation and maintenance
- 3 Railway approved IP55 DC-Motor with start capabilities between -40°C and +50°C (LFpR) and -40°C and +70°C (LFxR)
- 4 Top quality direct drive oil-free power block with patented super flow for high performance and extended lifetime . . . even in the worst ambient conditions
- 5 Optimized flywheel to get a fully balanced compressor for smooth running
- 6 Robust motor frame for stable and reliable mounting
- 7 Integrated vibration dampers for a minimum transfer of vibrations from and to the compressor
- 8 Heavy duty air intake filter for efficient operation in dusty environments

## Features and Benefits

### Compact, Space-Saving Design

- Minimized footprint with a single access side for maintenance and installation
- LFxR: available with complete dryer system and control cubicle, all integrated in a very compact compressor package

### Enduring Performance

- The compressor is designed, built and tested to meet the toughest conditions in railway applications (extreme climatic conditions, high humidity, shock and vibrations)
- Built in accordance with relevant international standards for railway applications
- Proven technology used in many applications worldwide

### Oil-free Compressor

- Environmentally friendly oil-free piston
- Less maintenance

### Reliability & Durability

- An absolute minimum of moving parts
- Corrosive resistant materials
- Long service interval
- Direct drive concept

### Flexible & Easy Installation

- Plug and play system
- Easy access to main connections

# Options

## Manifold

For an easy installation of all required safety and measuring devices on a single manifold

## LFxR: available with complete dryer package

A complete packaged unit including an aftercooler, filter and membrane dryer to achieve an outlet air quality of 1.2.0 according to ISO 8573-1

## LFxR: available with control cubicle

To be able to control the unit as stand-alone unit without expensive system integration

# Technical Specifications

Compressor type	Capacity*			Installed motor power		Pressure**		Sound pressure level	Weight	
	l/s	l/min	cfm	kW	hp	bar(e)	psig	dB(A)	kg	lbs
LFpR 0.7	0.67	40	1.41	0.5	0.7	10	145	65	16	35
LFxR 0.7	1.02	61	2.16	0.5	0.7	10	145	65	39	86
LFxR 1.0	1.38	83	2.92	0.7	1.0	10	145	65	39	86

\* Unit performance measured at a standard unit (before dryer) according to ISO 1217, Annex C, latest edition

\*\* Outlet pressures possible between 6 and 13 bar

### Reference conditions:

Absolute inlet pressure: 1 bar (14.5 psi)

Intake air temperature: 20°C (68°F)

Effective working pressure: 9.5 bar (138 psi)

Mean noise level measured according to ISO 2151/Pneurop/Cagi PN8NTC2 at 4.6 meter free field

