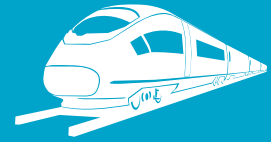


ATLAS COPCO RAILWAY AIR SYSTEMS



Oil-free Pantograph Compressor
LFpR/LFxR

Sustainable Productivity

Atlas Copco

i *The compact, low-maintenance pantograph compressor*

For use on any electrically driven railway vehicle with a pneumatic pantograph, LFpR and LFxR oil-free piston pantograph compressors offer a space-saving design, easy installation and low maintenance. Available from 40 to 83 l/min free air delivery.



FEATURES AND BENEFITS

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, and shocks and vibrations).
- Built in accordance with international railway standards.
- Proven technology used in many applications worldwide.

Oil-free compressor

- Environmentally friendly oil-free piston.
- Less maintenance.

Reliability and durability

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

Flexible and easy installation

- Plug and play system.
- Easy access to main connections.



- 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/-40 °F and 50 °C/122 °F (LFpR) and -40 °C/-40 °F and 70 °C/158 °F (LFxR).
- 4 Top quality, direct drive, oil-free power block with patented superflow for high performance and extended lifetime, even in the worst ambient conditions.
- 5 Optimized fly wheel to get a fully balanced compressor for smooth running.
- 6 Robust motor frame ensures 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.

OPTIONS

- **Manifold** Allows for 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 a stand-alone one without expensive system integration.

TECHNICAL SPECIFICATIONS

Compressor type	Capacity*			Installed motor power		Pressure**		Sound pressure level dB(A)	Weight	
	l/s	l/min	cfm	kW	hp	bar(e)	psig		kg	lbs
24-110 VDC version										
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

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

* 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

