CompAir

SUSTAINABLE MANUFACTURING

Reliability & efficiency
without compromise
Rotary Screw Compressors



Assure

Premium compressor design
and industry leading warranty

L15 - L22
L15RS - L22RS
Fixed & Regulated Speed

Excellence in every detail



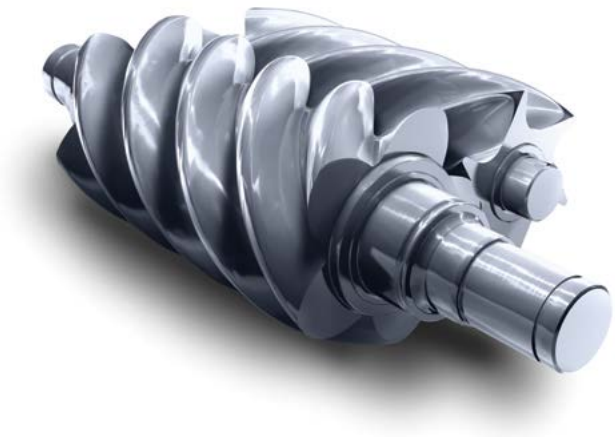
The **L-Series** from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops the L-Series to achieve cutting edge performance and efficiency. The L15 - L22 range of lubricated screw compressors comprise of fixed speed and regulated speed (RS) models and is available as a complete package including air receiver and refrigerant dryer.

Pressure range
7.5 to 13 bar

Volume flow
0.83 to 3.65 m³/min

Motor power
15 to 22 kW



GERMAN ENGINEERING DESIGN&MANUFACTURE

Engineering **excellence**

Compressors are more than just a financial investment, they are a key component in ensuring that manufacturers, processors and operators receive consistent, high quality low cost air.

The screw compression element is the heart of the compressor and therefore CompAir keeps the design and manufacture in-house, using the latest CNC rotor grinding machinery, coupled with online laser technology.

The resulting reliability and performance ensure that operating costs will remain low throughout the compressor's life.

Under the free Assure warranty the airends are covered **up to 44,000 hours or 10 years***.

* Whichever is soonest

> CompAir lubricated rotary screw compressors incorporate the very latest technological advances and guarantee a continuous supply of high quality compressed air.



A design concept based on **reliability and flexibility**

Fully integrated airend
The advanced design of the high efficiency airend allows operation at low rotational speeds, and consequently lowers the energy costs. The innovative integrated design, including oil separation, oil filter and thermostatic bypass valve, reduces the number of external hoses and components offering excellent reliability.

Combined air/oil cooler
Equipped with a bypass for rapid warm-up and control of the oil temperature, reducing wear, eliminating condensate in the compressor system and providing low air discharge temperature.

High efficiency electric motor
The compressors are equipped with an energy saving IE3 electric motor.

Automatic belt tensioning system
The maintenance-free system provides automatic and accurate belt tension and extends the belt life.

Factory-filled lubricant
Reduces service costs by extending the oil change period to up to 4,000 hours.

Low noise levels
Allows the compressor to be placed at the point of use.

Up to 45°C ambient temperature
Reliable operation, even in challenging environments.

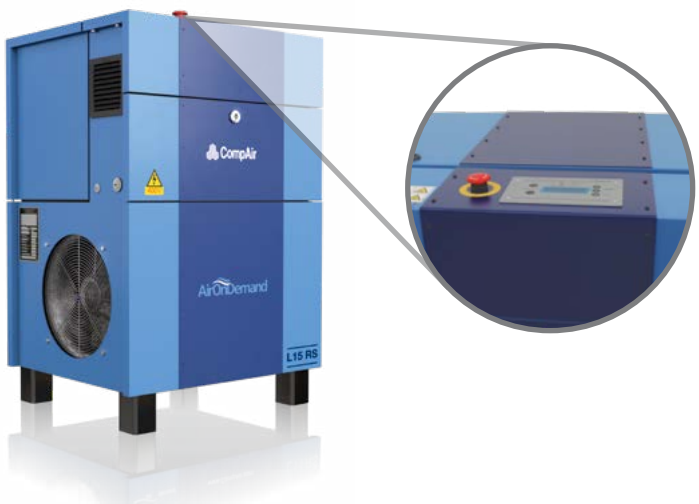
Delcos Pro compressor controller

The control system ensures reliable operation and protects the investment by continuously monitoring operational parameters. The Delcos Pro also has the capability to have programmable inputs and outputs, control additional equipment as well as providing the following features in clear readable text:

- Discharge/line pressure display
- Air/oil temperature display
- Total hours run and under load
- Service due indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop/start
- Remote start/stop
- Auto restart after power failure
- Second pressure setting
- Status indication
- RS485 - Modbus RTU

Ergonomic controller positioning

Controller can be positioned on top or front of the compressor.



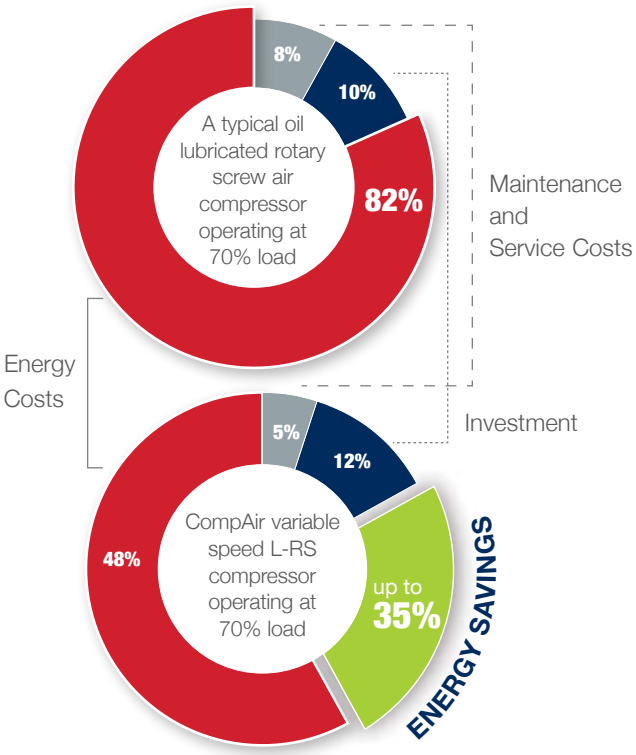
AirOnDemand

Regulated Speed Compressors

The **perfect** response to individual air demand

Regulated speed compressors from CompAir can efficiently and reliably handle the varying air demand found in most plant air systems.

The annual cost of ownership can be significantly reduced using regulated speed technology.



Tried and tested inverter concept

- Integrated in the electric cabinet
- Protected from dust by replaceable inlet filters
- Maximum reliability from optimised cooling system
- Ensures high availability and long-life

CompAir RS features are your benefits

The L-RS Series products are designed to obtain the greatest efficiency across the entire operating range.

Wide regulation range

No cycles means substantial energy savings

Perfect motor - drive - airend design

High efficiency across broad flow range

AirPlus



The **complete** packaged solution

CompAir offers complete Airstations from 15 to 22 kW including compressor, refrigerant dryer and air receiver.

Save energy with refrigerant dryers and their high quality heat exchanger with low pressure loss and Energy Saving mode that shuts dryer off during low loads.

Easy to install, easy to use

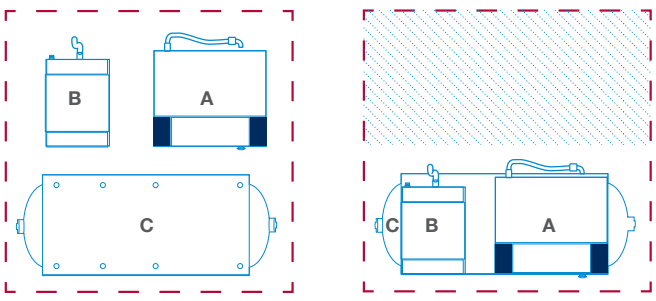
All components are perfectly matched and ready for "Plug and Play".

High quality air receiver

Built to the highest standards and are inspection-free for up to five years.

Minimum Footprint

By mounting the components on the receiver, the required floor space is reduced by 55%.



Minimum floor space required

Integrated heat recovery

All compressors are available with highly efficient heat recovery systems, which can be factory fitted or are available as retrofit kits comprising all the necessary pipe-work and fittings.

Compressed air purification

Modern production systems and processes demand increasing levels of air quality. Air treatment products **manufactured by CompAir**, utilise the latest technology and provide an energy-efficient solution at the lowest life cycle costs.

The new downstream portfolio manufactured by CompAir utilising the latest technology, provides an energy efficient solution at lowest life cycle costs. The same quality, performance and efficiency standards delivered by the compressors can now be enjoyed from the air treatment range.

Investment in a manufacturing site in addition to the support teams, ensures that compressed air operators don't need to worry about the quality of their compressed air – quality that is key to ensuring maximum production efficiency and investment protection.

- Water Cyclone Separators
- Compressed Air Filters
- Condensate Drain System
- Compressed Air Refrigerant Dryer
- Heatless Desiccant Dryers
- Heat Regenerative Desiccant Dryers
- Nitrogen Generator
- SmartAir Master Plus Multi Compressor Controllers

The best investment protection you can get

The CompAir Assure Service and Warranty agreements

Cover the airend for up to 10 years.

Your benefits:

It All Adds Up to Peace of Mind

Lower Cost of Ownership

Assure Service and Warranty Agreements provide the most cost-effective solutions based on your customised maintenance strategy.

Quality Results

Factory trained technicians allows you to focus on your core business, while they take care of your compressor system.

Increased Uptime

Service & Warranty Agreements help decrease unplanned downtime and costly production interruptions.

Efficient Energy Use

Peak system efficiency is achieved through properly performed maintenance and inspection.

Peace of Mind

Assure Service agreements ensures an extended warranty. Depends on duration.



[1] 10 years/44,000 hours on the air end.
Whichever is the soonest. Subject to Terms & Conditions.

CompAir genuine spare parts

Enjoy complete peace of mind.

Genuine CompAir parts and lubricants ensure that compressed air plant reliability and efficiency is maintained at the highest standards. CompAir spare parts and lubricants are distinguished by:

- Long service life, even under harshest conditions
- Minimum losses contributing to energy savings
- High reliability improves plant up-time
- Products manufactured with the strictest Quality Assurance Systems



CompAir L-Series - Technical Data

L15 - L22 Fixed Speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD [1] [m³/min]	Noise Level [2] [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L15	7.5	15	2.70	70	335	787 x 698 x 1202
	10		2.26			
	13		1.80			
L18	7.5	18.5	3.25	71	361	787 x 698 x 1202
	10		2.74			
	13		2.34			
L22	7.5	22	3.65	71	367	787 x 698 x 1202
	10		3.21			
	13		2.61			

L15RS - L22RS Regulated Speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD [1] [m³/min] min.	FAD [1] [m³/min] max.	Noise Level at 70% load [2] [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L15RS	7.5	15	0.92	2.60	67	365	787 x 698 x 1202
	10		0.86	2.18			
	13		0.83	1.67			
L18RS	7.5	18.5	1.33	3.05	68	381	787 x 698 x 1202
	10		1.28	2.62			
	13		1.22	2.20			
L22RS	7.5	22	1.04	3.54	69	386	787 x 698 x 1202
	10		0.93	3.15			
	13		0.90	2.66			

L15 - L22 / L15RS - L22RS Airstation

Compressor Model	Nominal Pressure [bar g]	Refrigeration Dryer [3]	Air Receiver [Volume]	Air Outlet	Weight [kg]	Dimensions L x W x H [mm]
L15 / L15RS	7.5	✓	500 litres	RP 1"	545 / 575	1883 x 815 x 1825
	10					
L18 / L18RS	7.5	✓	500 litres	RP 1"	617 / 637	1883 x 815 x 1825
	10					
L22 / L22RS	7.5	✓	500 litres	RP 1"	622 / 641	1883 x 815 x 1825
	10					

[1] Data measured and stated in accordance with ISO 1217 Ed. 4, Annex C & Annex E and the following conditions: Air Intake Pressure 1 bar a, Air Intake Temperature 20° C, Humidity 0 % (dry)

[2] Measured in free field conditions in accordance with ISO 2151 and ISO 9614-2, tolerance ± 3 dB(A).

[3] The refrigerant dryer requires a separate electric supply. Data refer to DIN ISO 7183, 8573-1:2010 (class 4, pressure dew point 3° C). For further specifications please refer to refrigerant dryer documentation.

CompAir

Innovation & Engineering Excellence



A leading global manufacturer of a wide range of world-class compressed air solutions, CompAir is dedicated to providing a complete solution for our industry partners. From the latest advances in oil-free and oil-lubricated technologies to a complete range of downstream equipment, air treatment and accessories.

An extensive network of dedicated CompAir sales companies and premium partners across all continents provide global expertise with a truly local service, ensuring our advanced technology is backed up with the right support.

CompAir has consistently been at the forefront of compressed air systems development, culminating in some of the most energy efficient and low environmental impact compressors on the market today, helping customers achieve or surpass their sustainability targets.

CompAir compressed air product range

Advanced Compressor Technology

Lubricated
- Rotary Screw
  - > Fixed and Regulated Speed
- Portable
- Vane

Oil-Free
- Water Injected Screw
  - > Fixed and Regulated Speed
- Two Stage Screw
  - > Fixed and Regulated Speed
- Rotary Scroll
- Ultima®

Complete Air Treatment Range
- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

Modern Control Systems
- CompAir DELCOS Controllers
- SmartAir Master Plus Sequencer
- iConn - Smart Compressor Service

Value Added Services
- Professional Air Audit
- Performance Reporting
- Leak Detection

Leading Customer Support
- Custom Engineered Solutions
- Local Service Centres
- Genuine CompAir Parts and Lubricants

CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.

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