

# Reliability & Efficiency without Compromise

Rotary Screw Compressors



Premium compressor design  
and industry leading warranty

**L15 - L22**  
**L15 RS - L22 RS**  
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 m<sup>3</sup>/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.



“

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

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## 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 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 Synthetic Lubricant

Reduces service costs by extending the oil change period to up to 8,000 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.



## Regulated Speed Compressors

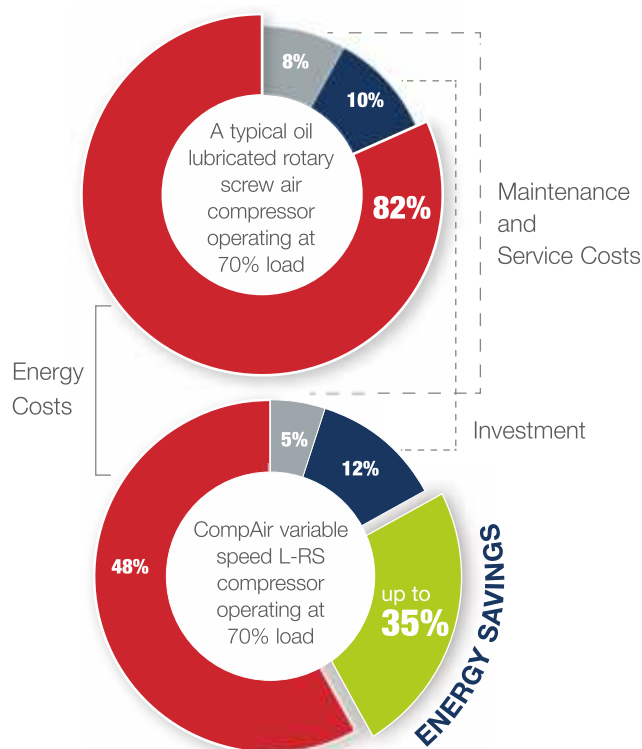
### The Perfect Response to Individual Air Demand

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.

### Time Proven 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

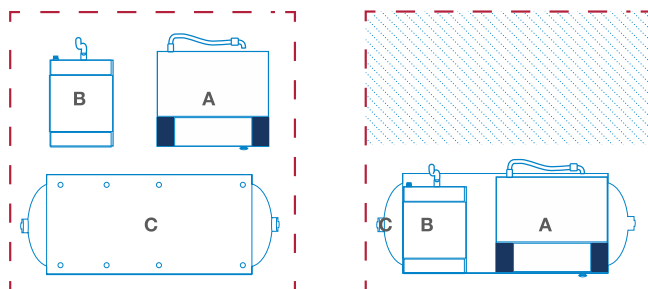
All components are perfectly matched and ready for @Plug and Play<sup>3</sup>.

### High quality air receiver

Built to highest standards matching to performance capacity.

### 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

A modern production system and process demands increasing levels of air quality.

A CompAir compressed air system utilising the latest technology provides an energy efficient solution at lowest life cycle costs.

- Water Separator
- Compressed Air Filter
- Condensate Drain Solution
- Compressed Air Refrigerant Dryer
- Heatless Desiccant Dryers
- Heat Regenerative Desiccant Dryers
- Nitrogen Generator
- SmartAir Master Multi Compressor Controllers





# The best investment protection you can get



## 5 Years Warranty Upgrade!

The CompAir Extend 5 Warranty and Service programmes will assure you up to 40,000 hours / 5 years <sup>1)</sup>. It is one of the most generous warranties available in the industry affording you total piece of mind.

### Your Benefits :

- The CompAir authorised service provider will deliver a guaranteed quality of service
- An Extend 5 service agreement underpinning the warranty will enable accurate maintenance, budgeting and cost of ownership
- The use of genuine CompAir parts and lubricants will maximise compressor life and efficiency

<sup>1)</sup> Warranty duration is up to 5 years / 40,000 hours on the whole package. Whichever is the soonest.



## Compact Design - Easy Installation

The small footprint reduces the space required for installation.

## Easy Servicing

The design of these packages ensures that the service points are readily accessible. The enclosure side doors are hinged and removable to allow complete access to all service points. The reduced number of moving parts further lowers the maintenance costs.

## 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

## L-Series - Technical Data

### L15 - L22 Fixed Speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD <sup>1)</sup> [m³/min]	Noise Level <sup>2)</sup> [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			

### L15 RS - L22 RS Regulated Speed

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

### L07 – L11 / L07 RS – L11 RS Airstation

Compressor Model	Nominal Pressure [bar g]	Refrigeration Dryer <sup>3)</sup>	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.  
For further specifications please refer to refrigerant dryer documentation.

# Global Experience – Truly Local Service

With over 200 years of engineering excellence, the CompAir brand offers an extensive range of highly reliable, energy efficient compressors, dryers and accessories to suit all applications.

An extensive network of dedicated CompAir sales companies and distributors 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\*
- Piston
- Portable

### Oil-Free

- Two Stage Rotary Screw\*
- Water Injected Screw\*
- Piston
- High Speed Centrifugal - Quantima®
- Rotary Scroll

### Complete Air Treatment Range

- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

### Modern Control Systems

- CompAir Controllers
- SmartAir Master Sequencer
- iConn - Smart Flow Management

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

- Custom Engineered Solutions
- Local Service Centers
- Genuine CompAir Parts and Lubricants

\* These range of units are available in Fixed and Regulated Speed versions.

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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