

# Reliability & Efficiency without Compromise

Rotary Screw Compressors



Premium compressor design  
and industry leading warranty

**L45<sup>+</sup> - L132**  
**L55 RS - L132 RS**  
Fixed & Regulated Speed



## Quality pays off “

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

### The L-Series from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops the L-Series achieving cutting edge performance and efficiency. The L45+ - L132 range of lubricated screw compressors comprises of fixed speed and regulated speed (RS) models. All models are optionally available with integrated heat recovery.

▶ **Pressure Range**  
5 to 13 bar

▶ **Volume Flow**  
2.20 to 22.88 m<sup>3</sup>/min

▶ **Motor Power**  
45 to 132 kW



\*Optional IE 4



**GERMAN**   
**ENGINEERING**  
& DESIGN

### 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 ensures that operating costs will remain low throughout the compressor's life.

### Premium Efficiency Airend

The high output airend with slow rotational speed reduces energy costs. In addition to this, the innovative design of the fail safe shaft seal, integrated oil filter and oil regulation valve, ensures external hoses are reduced to a minimum to guarantee that the highest levels of quality and reliability are achieved. With the new extended warranty, the airends are covered

**up to 5 years  
or 40,000 hours.\***

\* whichever is soonest.



## Exceptional Reliability & Performance

### ► Large Surface After Cooler

Optimum cooling to ensure low operating and discharge temperatures.

### ► High Performance Separator Filter

Two stage filtration ensures highest quality air is delivered to your system (< 3 ppm oil carryover). The vessel has a hinged cover for easy maintenance.

### ► High Efficiency Electric Motor

The compressors are equipped with an energy saving IE3 electric motor and contribute to lower CO<sub>2</sub> emission levels.

### ► Thermostatically Controlled Motor Driven Fan

Highly efficient and extremely quiet fan allows compressor operation in the work place, plus the use of maximum duct length without further assistance.

### ► Long Life Premium Synthetic Oil Factory Filled

Specially developed premium lubricant with 8000 hours life to ensure optimum cooling and lubrication of airends.

### ► Highest Quality Connections

Solid hoses and pipe connections with viton victaulic couplings.

## Delcos XL Innovative Touch Screen Compressor Controller

The Delcos XL with its high resolution touch screen display is extremely user-friendly and self-explanatory. All functions are clearly structured in five main menus and are intuitively visual. The multilingual Delcos XL control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters, which is essential for reducing your running costs.

### Features & functions

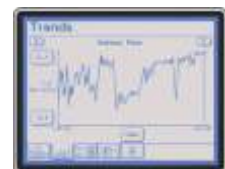
- Home Page - instant overview of the compressor status
- Real Time Clock - allows pre-setting of compressor starting / stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log - for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power Failure
- Optional Base Load Sequencing
- SD Card - stores several run characteristics



### Trend diagrams

With the ability to display detailed system analysis in the form of trend diagrams and graphs, operating parameters can be precisely set to maximise efficiency.

- Line / Network Pressure
- Motor Speed (Regulated Speed)
- On Load Hours / Total Hours Run & Average Volume Flow
- Weekly Average Volume Flow

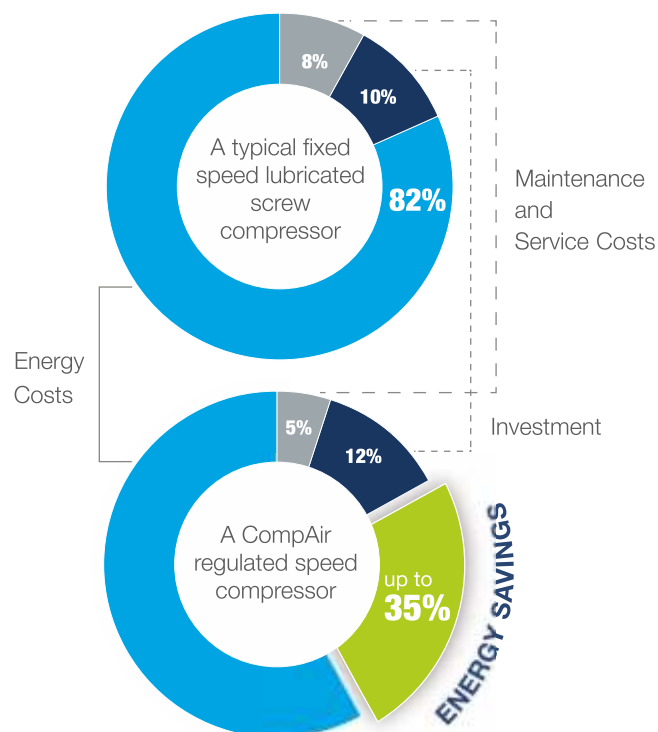


## Regulated Speed Compressors

### The Perfect Response to Individual Air Demands

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.



### 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

### L75+ and L132 with Efficiency Upgrade

These models feature a an extra large airend with optimised rotor tip speed and achieve up to 8% energy savings.



Typical Airend Size

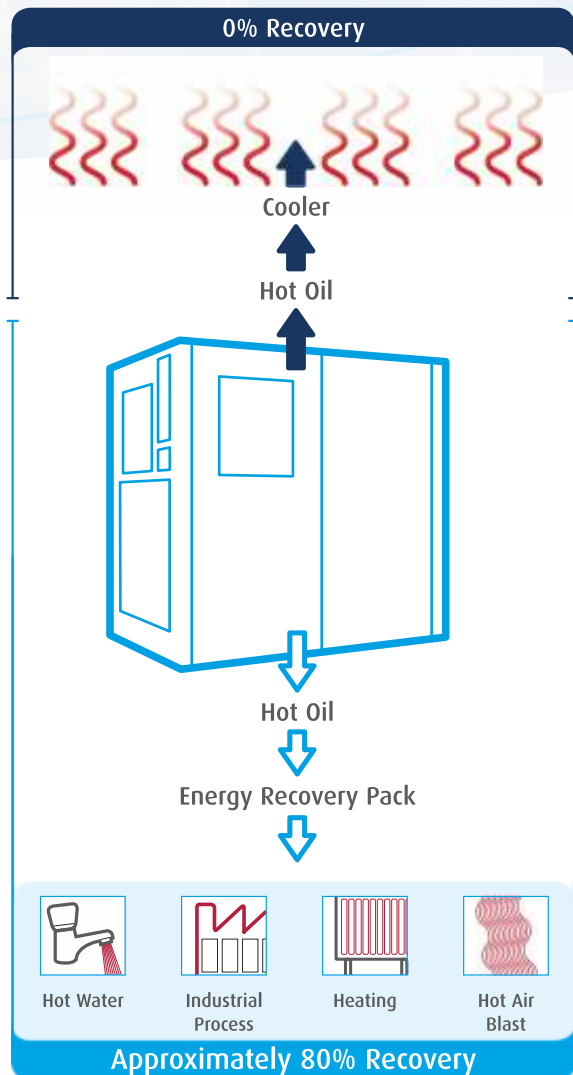
Larger Airend

# AirPlus

## Add Further Value

### Integrated heat recovery

Significant energy and costs savings can be achieved with CompAir's efficient integrated heat recovery system. It can be either factory fitted or supplied as retrofit kit including all necessary pipe-work and fittings.



Visit [www.compair.com](http://www.compair.com) to watch the heat recovery video and to access the energy savings calculation tool.

### Motor Efficiency

As a standard, all compressors of this range are equipped with an energy efficient IE3 electric motor. To achieve even higher levels of efficiency they are optionally available with an IE4 motor.



## 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.

## iConn Industry 4.0 Solution

Our compressors can be upgraded with iConn, the smart proactive real-time monitoring system, which gives you real-time knowledge about the compressed air system. It enables accurate production planning and total peace-of-mind protection, generating insight and statistics that keep you informed on performance, at the same time highlighting potential issues before they become a problem.



## 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

### L45+ - L132 Fixed Speed

Compressor Model	Nominal Pressure	Drive Motor	FAD <sup>1)</sup>	Noise Level <sup>2)</sup>	Weight	Dimensions L x W x H
	[bar g]		[m³/min]	[dB(A)]		
L45+	7.5	45	8.67	69	1725	2158 x 1223 x 1971
	10		7.40			
L55	7.5	55	10.69	69	1725	2158 x 1223 x 1971
	10		9.51			
	13		8.24			
L75+	7.5	75	14.72	69	2010	2158 x 1223 x 1971
	10		12.26			
L75	7.5	75	13.24	72	1765	2158 x 1223 x 1971
	10		12.44			
	13		10.43			
L90	7.5	90	17.45	73	2513	2337 x 1368 x 2039
	10		15.47			
	13		13.45			
L110	7.5	110	20.77	75	2614	2337 x 1368 x 2039
	10		18.63			
	13		16.21			
L132	7.5	132	22.87	76	2778	2337 x 1368 x 2039
	10		21.27			
	13		18.59			

### L55 RS - L132 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]
			min.	max.			
L55RS	5 - 10	55	2.34	10.31	67	1726	2158 x 1223 x 1971
L75RS	5 - 13	75	2.20	13.99	71	1800	2158 x 1223 x 1971
L75+RS	5 - 7	75	7.00	14.7	72	2010	2158 x 1223 x 1971
L90RS	5 - 13	90	4.69	17.74	72	2769	2337 x 1368 x 2039
L110RS	5 - 13	110	4.65	20.82	72	2770	2337 x 1368 x 2039
L132RS	5 - 13	132	4.65	22.84	74	2786	2337 x 1368 x 2039

- 1) Data measured and stated in accordance with ISO 1217, Edition 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, tolerance ± 3dB (A).

# 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.