



# Reliability & efficiency **without compromise**

Rotary Screw Compressors



Premium compressor design  
and industry leading warranty

**30 to 37 kW**  
Fixed & Regulated Speed





# The next generation of efficiency

[Click the link to learn more...](#)

## 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 versatile range from 30 to 37 kW can be configured to meet the customers' efficiency requirements. The e-models feature a larger airend delivering highest efficiency levels. The regulated speed models save energy by matching the output to the plant air demand.

► **Pressure range**  
5 to 13 bar

► **Volume flow**  
1.33 to 7.35 m<sup>3</sup>/min

► **Motor power**  
30 to 37 kW



\*Optional IE 4

## 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 airends

Our premium efficiency airends are designed and manufactured in house on the latest CNC grinding machines and using accurate 3D monitoring technology for the inspection. CompAir's airends are designed to match the exact requirements of the machines and achieve the max performance and reliability. The unique integrated design with oil filter and oil regulation valve included in the airend housing **eliminates the risk of leakage** and simplifies maintenance. Using the 3 O-rings unique design of the fail safe seal system we **minimise the down time** of the compressor by indicating the need of replacement before breakdown. Depending on the required efficiency level this range is available with standard and premium size airend. The larger airend achieves up to **9% energy savings** compared to the standard size airend.



## GERMAN ENGINEERING DESIGN & MANUFACTURE

### Exceptional reliability and performance

- ▶ **Large surface after cooler**  
Optimum cooling to ensure low operating and discharge temperatures.
- ▶ **Next generation separator filter**  
Amplly dimensioned filtration for constant performance throughout the lifetime delivering an oil carryover of less than 3ppm.
- ▶ **High efficiency electric motor**  
The compressors are equipped with a premium efficiency electric motor.
- ▶ **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.
- ▶ **Highest quality connections**  
Solid hoses and pipe connections with viton victaulic couplings increase reliability and are easy to maintain.

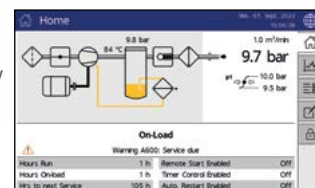


### Delcos XL SE7 innovative touch screen compressor controller

The Delcos XL SE7 with its high resolution 7" 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 SE7 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

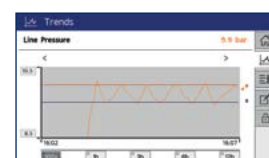
- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log – for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power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



#### 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



Web-Server





## Where **efficiency & sustainability** matter

effiDRIVE **IES2**  
COMPLIANT

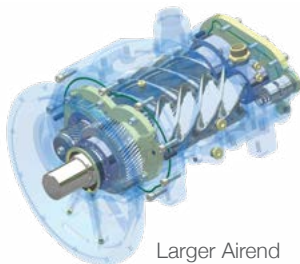
### An investment that **pays off**

The e-models of the L-Series feature an extra large airend with optimised rotor tip speed achieving up to 9% energy savings.

With energy prices having doubled recently, there has never been a better time to invest in CompAir. Significant savings can be made with these new energy-saving airends.

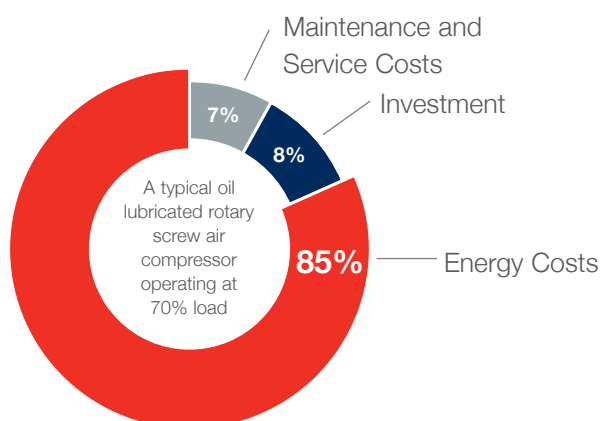


Typical Airend Size



Larger Airend

The largest cost component of a compressor is the energy to run it. The reduction of energy costs significantly impacts on the total costs of ownership.



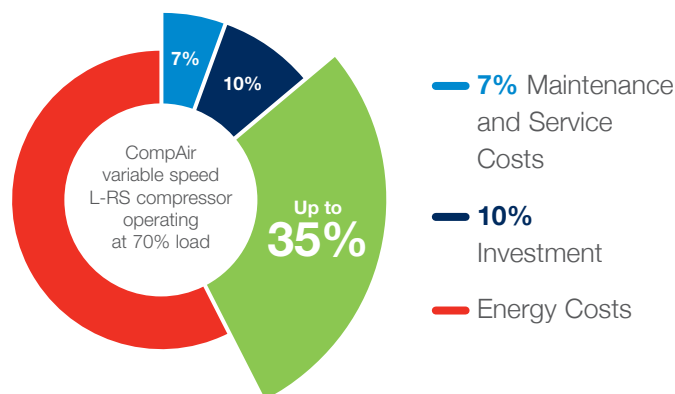
This range of super efficient compressors will **pay back in many cases in less than 12 months**. The extra large airend also has a longer life expectancy.

Furthermore, the new premium efficiency Frame 3<sup>e</sup> models can save up to 15 tons of CO<sub>2</sub> pa – equal to 33,000 miles driven by an average petrol powered car.

### Even greater efficiency with Regulated Speed (RS)

- Regulated speed compressors from CompAir can efficiently and reliably handle the varying air demand found in most plant air systems.
- 35% less energy in idle run compared to conventional two-stage compressors
- The annual cost of ownership can be significantly reduced using regulated speed technology.

### Up to **35% Energy Saving**



### Perfect motor - drive - airend design

L-RS Series features a high efficient Power Drive System that exceeds the class **IES2 EN61800-9** requirements and assures high energy savings across broad flow range.

### Integrated or turnkey heat recovery adds up to **75% energy savings**

The heat generated during compression is paid for as part of the process, then paid for again during removal by way of cooling fans. Instead it can be used to generate free hot process water or hot water heating systems by utilising a high-efficiency, factory-fitted or turnkey oil-to-water heat exchanger.

[Click the link to learn more...](#)

# Predictive Maintenance



Powered by

**ECOPLANT**

## Machine intelligence drives greater energy efficiency

Ecoplant is an AI-driven energy efficiency solution that optimises compressed air systems. It continuously monitors, analyses, and adjusts compressor operations to reduce energy waste, lower CO<sub>2</sub> emissions, and cut costs by up to 20%. **Integrated with iConn, it ensures:**

- Minimised outages & stable pressure
- ISO quality standards compliance
- Proactive issue detection to prevent downtime and enhance reliability
- Optimised energy use and reduced costs

**iConn Compressed Air Service 4.0**



The L-Series is equipped with iConn as standard. iConn is the smart, proactive real-time monitoring service that delivers in-depth and real-time knowledge on the system to compressed air users.

- Advanced remote analysis
- Predictive – evaluates historic data
- Maximises energy efficiency
- Optimises compressor performance
- Reduces downtime
- Works as an open standard
- Free on new compressors – can be retrofitted
- Proactive maintenance

...exactly why you cannot ignore iConn!

[Click the link to learn more...](#)

## Use waste heat to heat:



SPACE-HEATING



INDUSTRIAL PROCESS HEAT



HOT WATER



PRE-HEATING FOR STEAM GENERATION

## Upgrading your compressed air system with heat recovery delivers...

- Significant 75% energy savings
- Lower CO<sub>2</sub> emissions
- Low investment costs



## More than just Air Compressors

Designed and manufactured in-house by CompAir, our extensive range of air treatment and downstream equipment delivers energy efficiency with **low environmental impact and the lowest total cost of ownership.**

High quality dry air is guaranteed, with the same quality, performance and efficiency standards we build into our air compressors.



[Click the link to learn more...](#)

## Designed and manufactured by CompAir

- **Air dryers** to improve productivity, system efficiency and product/process quality
- **Leak-free, low-pressure drop EPL Piping**
- **Drain Valves** remove contaminants from the system without losing compressed air
- **Flow and system controllers** for compressed air system optimisation
- **Filtration products** like high-quality in-line filters and activated carbon towers ensure clean air and improve productivity
- **Oil Water Separators** remove lubricant from compressed air condensate for an environmentally friendly disposal
- **Meeting & exceeding** expectations

## Single Source Air Treatment Systems – The Latest Innovation, Air Quality Assured

# The best investment protection you can get

The **CompAir** Assure Service and Warranty agreements

Cover the air end for up to 10 years.

[Click the link to learn more...](#)



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.



<sup>1)</sup> 10 years/44,000 hours on the air end. Whichever is the soonest. Subject to Terms & Conditions.

## CompAir **genuine spare parts**

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

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





## CompAir L-Series - Technical Data

### L30 – L37 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]
L30	7.5	30	5.75	67	887	1722 x 920 x 1659
	10	30	5.01	67	887	1722 x 920 x 1659
	13	30	4.27	67	887	1722 x 920 x 1659
L37	7.5	37	7.00	68	912	1722 x 920 x 1659
	10	37	6.17	68	912	1722 x 920 x 1659
	13	37	5.30	68	912	1722 x 920 x 1659

### L30° – L37° Efficiency Version, 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]
L30°	7.5	30	6.00	67	964	1722 x 920 x 1659
	10	30	5.01	67	964	1722 x 920 x 1659
L37°	7.5	37	7.35	67	989	1722 x 920 x 1659
	10	37	6.28	67	989	1722 x 920 x 1659

### L30RS – L37RS Regulated Speed

Compressor Model	Min-Max Pressure [bar g]	Drive Motor [kW]	FAD <sup>1)</sup> Min - Max [m³/min]	Noise level <sup>2)</sup> at 70% load [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L30RS	5 - 10	30	1.33 – 5.53	66	925	1722 x 920 x 1659
L37RS	5 - 13	37	1.44 – 6.90	67	952	1722 x 920 x 1659

### L37°RS – Efficiency Version, Regulated Speed

Compressor Model	Min-Max Pressure [bar g]	Drive Motor [kW]	FAD <sup>1)</sup> Min - Max [m³/min]	Noise level <sup>2)</sup> at 70% load [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L37°RS	5 - 8	37	2.44 – 7.15	67	1029	1722 x 920 x 1659

<sup>1)</sup> Data measured and stated in accordance with ISO 1217, Edition 4, Annex C and Annex E and the following conditions:  
Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0 % (Dry).

<sup>2)</sup> Measured in free field conditions in accordance with ISO 2151, tolerance ± 3dB (A).



# 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
- Ultima®

### Complete Air Treatment Range

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

### Modern Control Systems

- CompAir DELCOS Controllers & Monitoring
- SmartAir Master Plus Sequencer
- iConn - Smart Compressor Service
- Ecoplant

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

- Heat Recovery
- Assure Service Agreements
- 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.