



# Reliability & efficiency **without compromise**

Rotary Screw Compressors



Premium compressor design  
and industry leading warranty

**L-Series**  
**75 kW**  
Fixed & Regulated Speed

# Quality pays off

[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 lubricated screw compressor range comprises of fixed and regulated speed models, as well as E models providing best-in-class efficiency. All models are optionally available with integrated heat recovery.

### ► **Pressure range**

5 to 13 bar

### ► **Volume flow**

2.1 - 14.9 m<sup>3</sup>/min

### ► **Motor power**

75 kW

## 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.



## **GERMAN**ENGINEERING DESIGN & MANUFACTURE

### **Premium efficiency** airend

The new GD6 airend ensures higher efficiency levels, by up to 5% compared to the previous one, providing fewer pressure drops, in an optimised compact design. CompAir's unique design, with integrated oil filter and oil regulation valve, ensures external hoses are reduced to a minimum. The integrated airend design assures the reliability of the compressor, continuous hassle-free operation and easy servicing. Under the free Assure warranty the airends are covered up to **44,000 hours or 10 years\***.

\* Whichever is soonest

“



Optimised airends provide better performance, higher efficiency levels and lower pressure drop.

Up to 7% improvement.

In average 8% less than comparable products in the market.

Adding to the efficiency improvement.

It increases the bearing life  
and is maintenance free.

Makes maintenance easy as no o-ring replacement is required.

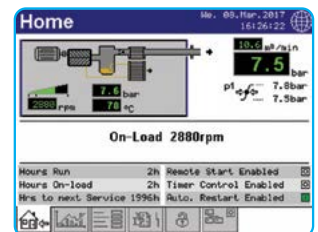
Reducing the space requirements and optimising accessibility.

The compressors are equipped with a premium high efficiency electric motor.



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.

- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping



- ## 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

## Energy Efficiency Booster

### Innovative oil regulation valve

Specially designed by CompAir's engineering team, this integrated valve:

- Eliminates the risk of condensate to avoid corrosion and extends oil's life time
- Depending on the working conditions improves efficiency by up to **5% for the variable speed models**
- Improves low running speeds

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

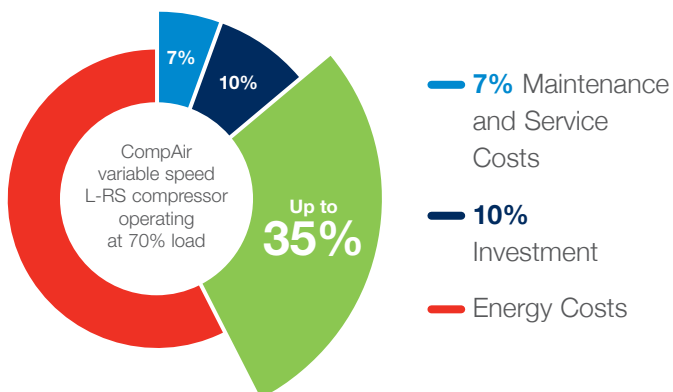
- Regulated speed compressors from CompAir can efficiently and reliably handle the varying air demand found in most plant air systems.
- 35% less energy in idle run compared to conventional two-stage compressors
- The annual cost of ownership can be significantly reduced using regulated speed technology.



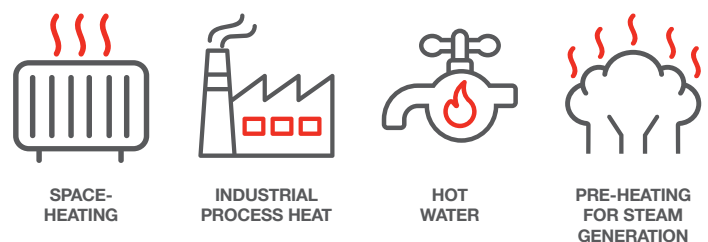
### e-models - market leading energy efficiency

The e-models feature a class leading efficiency of up to **6.8%** compared to the standard models. With new technology including an IE4 electric motor and an automatic oil regulation valve these models can save up to **€ 4,500 in energy costs a year**.

### Up to 35% Energy Saving



### Use waste heat to heat:



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

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



# Predictive Maintenance



Powered by



## 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...](#)

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



## CompAir L-Series – Technical data

### L75 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]
L75	7.5	75	13.98	72	1495	1958 x 1138 x 1857
	10		12.54			
	13		10.50			

### L75° 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]
L75°	7.5	75	14.80	71	1785	1959 x 1138 x 1857
	10		12.70			

### L75RS Regulated speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD <sup>1)</sup> Min - Max [m³/min]	Noise Level <sup>2)</sup> at 100% Load [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L75RS	5 – 13	75	2.10 - 14.03	72 - 74	1520	1958 x 1138 x 1857

<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).

All models are available in water cooled versions.



# 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.