



# Reliability & efficiency without compromise

Rotary Screw Compressors



**NEW**



**iConn**



Premium compressor design  
and industry leading warranty

L-Series  
55 - 75 kW

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 lubricated screw compressor range from 55 to 75 kW 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**  
55 to 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.

## 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

“

Lowest operational costs thanks to a 7% efficiency increase.

”

## Outstanding Benefits

### Re-designed GD6 and GD8 semi integrated airends

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

### Highest efficiency levels

Up to 7% improvement.

### Lowest floor space requirement

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

### Implementation of new automatic oil regulation valve for variable speed models

Adding to the efficiency improvement.

### The automatic motor lubrication is standard

It increases the bearing life and is maintenance free.

### The new fine separator with just one integrated sealing

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

### All doors are hinged and can be removed

Reducing the space requirements and optimising accessibility.

### Premium electric motor

Standard asynchronous version IE3 or optional IE4 for even greater efficiency.

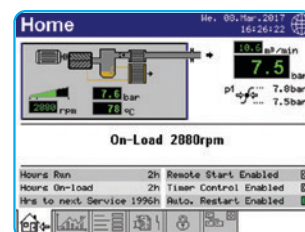


## Delcos XL innovative touch screen compressor controller

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
- iConn enabled

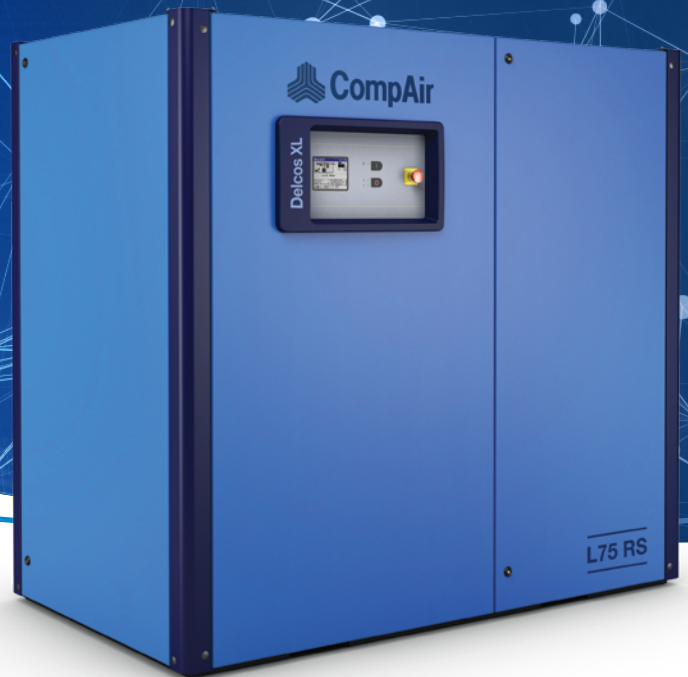


### Trend diagrams

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

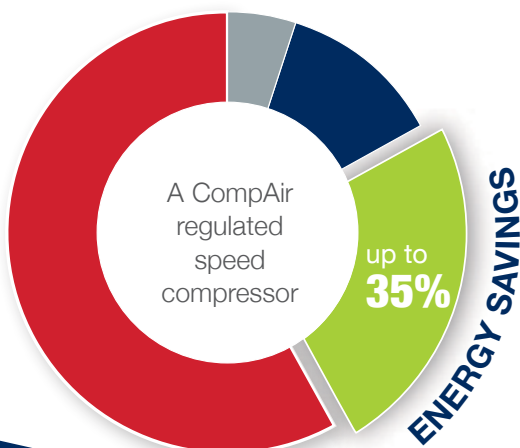
Specially designed by CompAir's engineering team, this integrated valve:

- 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

### 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.



### 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.**

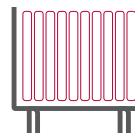
### Add further value

#### 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.



Hot Water



Heating



Industrial Process



Hot Air Blast

#### 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.



# iConn



## iConn Service 4.0

### Proactive Maintenance and Service with iConn Monitoring

The L-Series is equipped with iConn as a standard. iConn is the smart, proactive real-time monitoring service that delivers in-depth and real-time knowledge on the system to our compressed air users. It enables accurate production planning and total peace-of-mind protection, generating insight and statistics that keep users informed on performance, at the same time highlighting potential issues before they become a problem.

## iConn benefits at a glance

### Proactive real-time monitoring with iConn for your compressed air installation, delivers many benefits:

- ✓ Real-time operating data available around the clock
- ✓ On-demand maintenance extends compressor life cycle and optimises costs
- ✓ Maximum compressor performance reduces energy consumption
- ✓ Predictive and preventative monitoring and warnings avoid expensive downtime
- ✓ Wear of compressed air components is identified early
- ✓ Reduce operating costs caused by increased pressure drop in filters and separators through late maintenance
- ✓ Identify potential savings by measuring costs and efficiency
- ✓ Optimised maintenance planning

## Compressed air purification

A modern production system and process demands increasing levels of air quality, and compressed air operators need to ensure that the downstream equipment also delivers on it 100%.

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 Multi Compressor Controllers

# The best investment protection you can get



## 10 Years Warranty!

The CompAir Assure Warranty and Service programmes will assure you up to 44,000 hours/10 years <sup>1)</sup>. It is one of the most generous warranties available in the industry affording you total peace of mind.

### Your benefits:

- The Assure warranty is totally free to the compressor owner <sup>2)</sup>
- The CompAir authorised service provider will deliver a guaranteed quality of service
- An Assure 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 limited to 6 years/44,000 hours on the whole package, 10 years/44,000 hours on the air end. Whichever is the soonest.

<sup>2)</sup> subject to Terms & Conditions

## 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 and the innovative design of the separator, 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



## CompAir L-Series – Technical data

### L55 – L75 Fixed speed

| Compressor Model | Nominal Pressure [bar g] | Drive Motor [kW] | FAD <sup>1)</sup> [m <sup>3</sup> /min] | Noise Level <sup>2)</sup> [dB(A)] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|--------------------------|------------------|---|-----------------------------------|-------------|---------------------------|
| L55              | 7.5                      | 55               | 10.71                                   | 69                                | 1405        | 1958 x 1138 x 1857        |
|                  | 10                       |                  | 9.50                                    |                                   |             |                           |
|                  | 13                       |                  | 8.25                                    |                                   |             |                           |
| L75              | 7.5                      | 75               | 13.98                                   | 72                                | 1495        | 1958 x 1138 x 1857        |
|                  | 10                       |                  | 12.54                                   |                                   |             |                           |
|                  | 13                       |                  | 10.50                                   |                                   |             |                           |
| L55 <sup>e</sup> | 7.5                      | 55               | 10.71                                   | 69                                | 1406        | 1958 x 1138 x 1857        |
|                  | 10                       |                  | 9.57                                    |                                   |             |                           |
| L75 <sup>e</sup> | 7.5                      | 75               | 14.80                                   | 71                                | 1785        | 1959 x 1138 x 1857        |
|                  | 10                       |                  | 12.70                                   |                                   |             |                           |

### L55RS – L75RS Regulated speed

| Compressor Model | Nominal Pressure [bar g] | Drive Motor [kW] | FAD <sup>1)</sup> Min - Max [m <sup>3</sup> /min] | Noise Level <sup>2)</sup> at 100% Load [dB(A)] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|--------------------------|------------------|---|--|-------------|---------------------------|
| L55RS            | 5 - 10                   | 55               | 2.50 - 10.99                                      | 69 - 72  | 1430        | 1958 x 1138 x 1857        |
| 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.

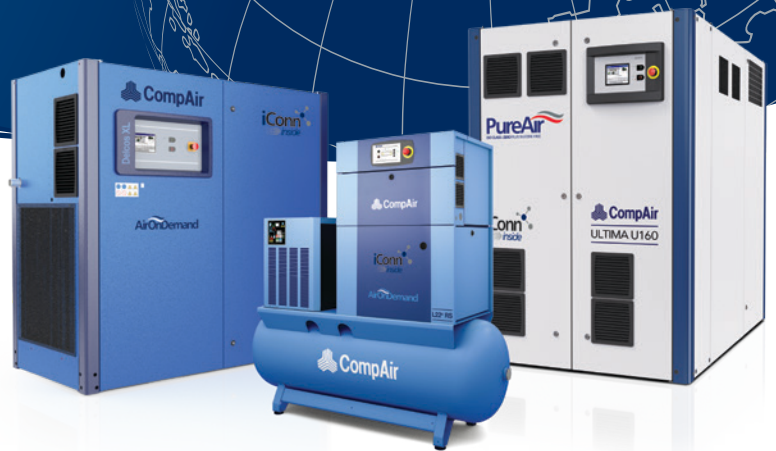


# Global experience – truly local service

With over 200 years of engineering excellence, the CompAir brand offers an extensive range of highly reliable, energy efficient compressors 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
  - > Fixed and Regulated Speed
- Portable

### 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 Sequencer
- iConn - Smart Compressor Service

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.

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

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