



CompAir

by Gardner Denver

Reliability & efficiency without compromise

Rotary Screw Compressors

INDUSTRY 4.0



Premium compressor design
and industry leading warranty

L90 - L132
L90RS - L132RS
L90^e - L132^e

Quality pays off

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. All models are optionally available with integrated heat recovery.

▶ **Pressure range**
5 to 13 bar

▶ **Volume flow**
5.3 to 24.8 m³/min

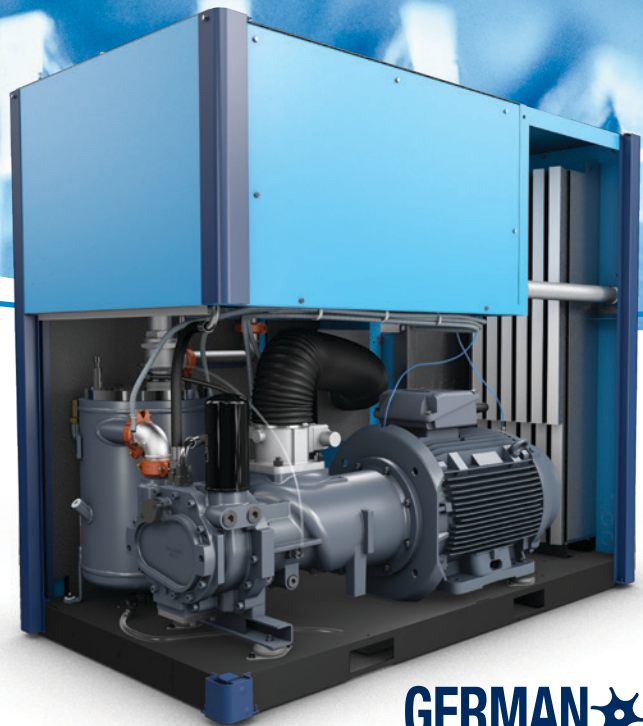
▶ **Motor power**
90 to 132 kW

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 highly efficient airend** delivers the highest quality compressed air at a low rotational speed, to help minimise the unit's energy consumption and achieve **excellent performance**.

The **semi integrated airend** design with integrated oil filter and oil regulation valve means fewer external components and pipework, taking less physical space, eliminating the risk of leakage and ease the maintenance.

The innovative design of the fail safe shaft seal, ensures highest levels of quality and reliability are achieved minimising the down time of the compressor.

Our top quality airends are covered by the new **10 years warranty** and up to 44,000 hours.



“ Lowest operational costs thanks to a 6% efficiency increase. ”

Exceptional reliability & performance

Innovative Oil regulation valve

Special 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 up to **5% for the variable speed models and premium efficiency (e) models**
- Improves low running speeds

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 (< 3ppm oil carryover). The vessel has a hinged cover for easy maintenance.

High efficiency electric motor

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

Automatic motor lubrication

Increases bearing life and is maintenance free.



Highest quality connections

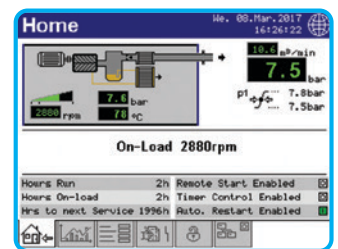
Solid hoses and pipe connections with viton victaulic couplings increase reliability and are easy to maintain.

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

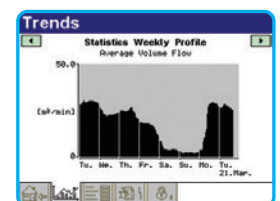
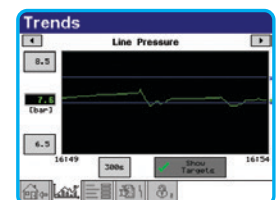
- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log – for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power 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 Boosters

AUTOMATION

TECHNOLOGY



Minimising operating costs by maximising the efficiency.



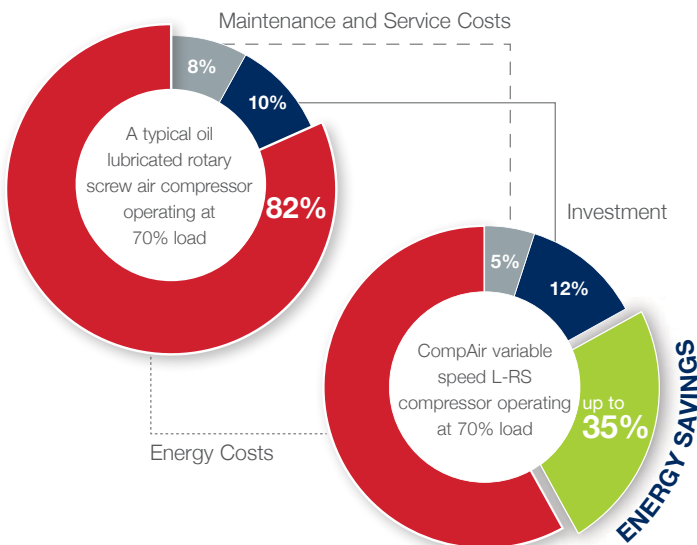
Upgrades for maximum efficiency

CompAir's portfolio of oil lubricated compressors from 90 to 132 kW includes fixed and regulated speed models, and additionally e-models featuring even higher efficiency. The maximum efficiency can be achieved by adding integrated heat recovery.

Regulated speed compressors

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

e-models - market leading energy efficiency

The e-models feature a class leading efficiency of up to **2.5%** 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 **€ 2,500 in energy costs a year**.

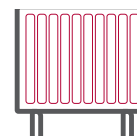
Add further value

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

AirPlus

“

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

”



iConn Industry 4.0 solution

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.

- Condition based monitoring
- Predictive maintenance required
- Full Air Manufacturing Control Optimisation
- External data pattern integration



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 Cyclone Separator X Series
- Compressed Air Filter CF Series
- Condensate Drain Bekomat 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



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



10 Years Warranty!

The CompAir Assure Warranty and Service programmes will assure you up to 44,000 hours/10 years ¹⁾. 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 ²⁾
- 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

¹⁾ 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.

²⁾ Subject to Terms & Conditions

CompAir L-Series – Technical data

L90 – L132 Fixed speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD ¹⁾ [m ³ /min]	Noise Level ²⁾ [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L90	7.5	90	18.16	73	2447	2290 x 1327 x 2039
	10		15.51			
	13		13.52			
L110	7.5	110	21.60	75	2532	2290 x 1327 x 2039
	10		18.85			
	13		16.47			
L132	7.5	132	24.79	76	2764	2290 x 1327 x 2039
	10		21.51			
	13		18.70			

L90RS – L132RS Regulated speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD ¹⁾ Min - Max [m ³ /min]	Noise Level ²⁾ at 70% Load [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L90RS	5 - 13	90	5.20 – 18.16	72	2579	2290 x 1327 x 2039
L110RS	5 - 13	110	5.10 – 21.52	72	2604	2290 x 1327 x 2039
L132RS	5 - 13	132	5.10 – 24.76	74	2655	2290 x 1327 x 2039

L90° - L132° Fixed speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD ¹⁾ [m ³ /min]	Noise Level ²⁾ [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L90°	7.5	90	18.16	73	2447	2290 x 1327 x 2039
	10		15.51			
L110°	7.5	110	21.6	75	2532	2290 x 1327 x 2039
	10		18.85			
L132°	7.5	132	24.79	76	2764	2290 x 1327 x 2039
	10		21.51			

NOT AVAILABLE IN 60HZ

All models are also available as **WATER COOLED** versions, for technical specifications please refer to the water cooled technical information sheets.

¹⁾ 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).

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 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.

As part of the worldwide Gardner Denver operation, 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
- Piston
- Portable

Oil-Free

- Water Injected Screw
 - > Fixed and Regulated Speed
- Two Stage Screw
 - > Fixed and Regulated Speed
- 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 DELCOS Controllers
- SmartAir Master Sequencer
- iConn - Smart Flow Management

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