

Reliability & Efficiency without Compromise

Rotary Screw Compressors



Premium compressor design
and industry leading warranty

L23 - L29
L23 RS - L29 RS
Fixed & Regulated Speed

Reliability. Performance. Value.

GERMAN 
ENGINEERING
DESIGN & MANUFACTURE

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 L23-L29 range of lubricated screw compressors comprises of fixed speed and regulated speed (RS) models.

-  **Pressure range**
5 to 13 bar
-  **Volume flow**
0.92 to 5.52 m³/min
-  **Motor power**
22 to 30 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 ensure that operating costs will remain low throughout the compressors life.



Premium Efficiency Aired

The high output aired 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 the highest levels of quality and reliability are achieved.

With the new extended warranty upgrade, the aireds are covered **up to 5 years or 40,000 hours.***



* whichever is soonest.

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

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A Design Concept Based on Quality

▶ 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

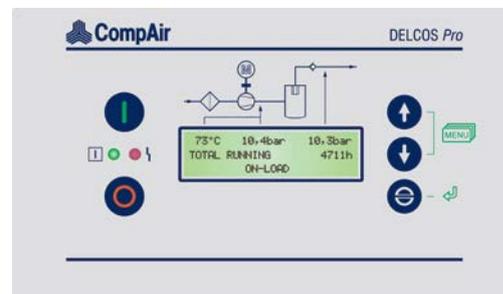
The compressors are equipped with an energy saving IE3 electric motor with reduced CO₂ emissions.

▶ Thermostatically Controlled Motor Driven Fan

High efficient and extremely quiet fan, allows compressor operation in the work place, and the use of the 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 Pro Compressor Controller

The control system ensures reliable operation and protects the investment by continuously monitoring the operational parameters. The Delcos Pro also has the capability to have programmable inputs and outputs, control additional equipment as well as providing the following features in clear readable text:

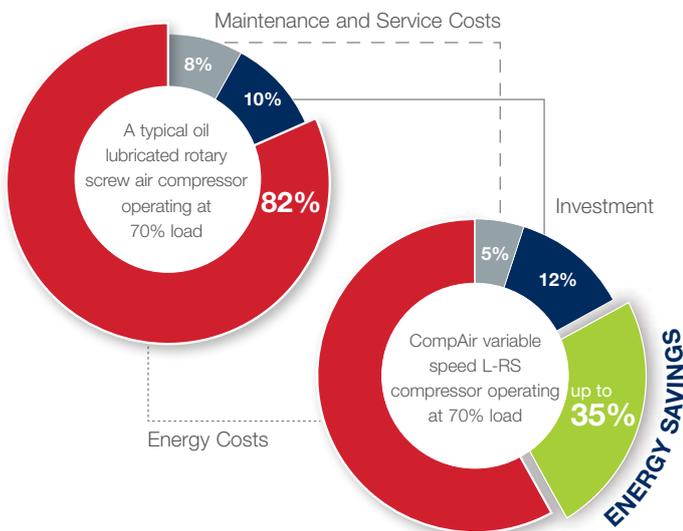
- Discharge / line pressure display
- Air / oil temperature display
- Total hours run and under load
- Service due indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop/start
- Remote start/stop
- Auto restart after power failure
- Second pressure setting
- Status indication
- RS485 - Modbus RTU

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.



Time Proven Inverter Concept

- Integrated in the electric cabinet
- Protected from dust by replaceable inlet filters
- Maximum reliability by optimised cooling system
- Ensures high availability and long-life

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

iConn Industry 4.0 Solution

The compressor range L23 to L29, RS 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.

CompAir Efficiency Upgrades

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.



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 ¹⁾. 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

¹⁾ Warranty duration is up to 5 years / 40,000 hours on the whole package. Whichever is the soonest.



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

L23 - L29 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]
L23	7.5	22	4.16	67	650	1345 x 880 x 1612
	10	22	3.45	67	650	1345 x 880 x 1612
	13	22	2.98	67	650	1345 x 880 x 1612
L26	7.5	26	4.84	68	677	1345 x 880 x 1612
	10	26	4.13	68	677	1345 x 880 x 1612
	13	26	3.44	68	677	1345 x 880 x 1612
L29	7.5	30	5.52	69	681	1345 x 880 x 1612
	10	30	4.81	69	681	1345 x 880 x 1612
	13	30	4.12	69	681	1345 x 880 x 1612

L23RS - L29RS Regulated Speed

Compressor Model	Min. - Max. pressure [bar g]	Drive Motor [kW]	FAD ¹⁾ at 7.5 bar g [m ³ /min]	FAD ¹⁾ at 10 bar g [m ³ /min]	FAD ¹⁾ at 13 bar g [m ³ /min]	Noise level @ 70% load ²⁾ , 1m [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L23RS	5 – 13	22	1.11 – 4.12	1.03 – 3.50	1.35 – 2.89	68	681	1345 x 880 x 1612
L26RS	5 – 13	26	1.11 – 4.78	1.03 – 4.10	0.92 – 3.56	69	708	1345 x 880 x 1612
L29RS	5 – 13	30	1.11 – 5.41	1.03 – 4.50	0.92 – 3.82	69	712	1345 x 880 x 1612

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, 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.