



# Reliability & efficiency without compromise

Rotary Screw Compressors



**L23 - L29**  
**L23RS - L29RS**

Premium compressor design

Fixed & Regulated Speed

# Reliability. Performance. Value.

## 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 m<sup>3</sup>/min

▶ **Motor power**  
22 to 30 kW



## Engineering excellence

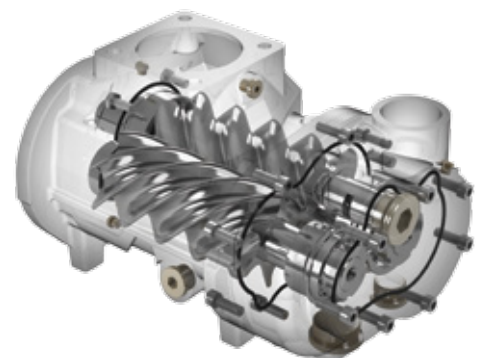
Compressors are more than just a financial investment, they are a key component in ensuring that manufacturers, processors and operators receive consistent, high quality low cost air.

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 airoend

The high output airoend 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.





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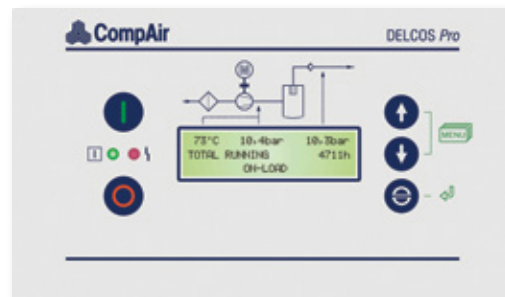
CompAir lubricated rotary screw compressors incorporate the very latest technological advances and guarantee a continuous supply of high quality compressed air.

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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 CO<sub>2</sub> 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 vicalc 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:

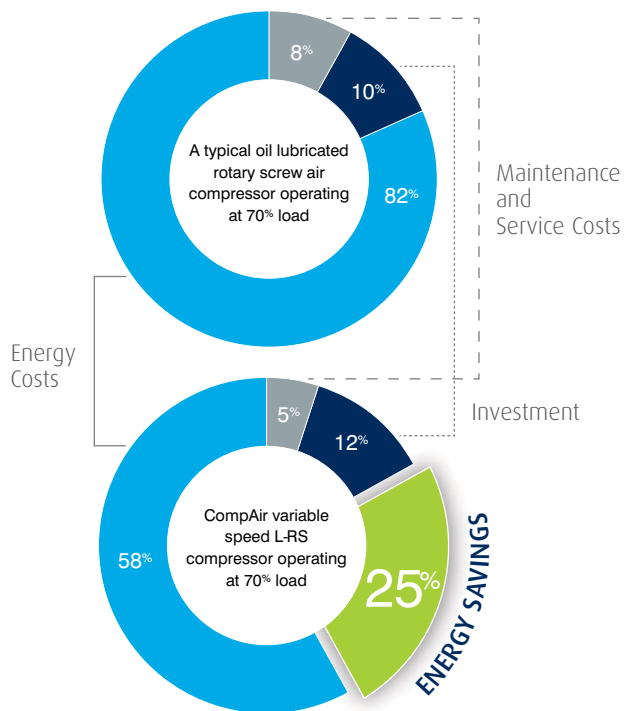
- Discharge/line pressure display
- Air/oil temperature display
- Total hours run and under load
- Service due indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop/start
- Remote start/stop
- Auto restart after power failure
- Second pressure setting
- Status indication
-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



## Tried and tested 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

# AirPlus

## CompAir efficiency upgrades

### Integrated dryer

Complete with a dryer and water separator, both are fitted with zero loss drains, to eliminate expensive air loss and maximise energy efficiency. Thanks to ESD control, the dryer only consumes energy when the system needs compressed air.



### 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.



Scan QR code to watch heat recovery video and access energy savings calculation tool.

## 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

Designed for efficient removal of bulk liquid contamination from compressed air.



### Compressed Air Filter CF Series

Efficient design for water, dust and particle removal.

### Condensate Drain Bekomat System

To drain compressed air condensate without loss of compressed air.

### Compressed Air Refrigerant Dryer

CompAir offer a full range of energy efficient and environmentally friendly stand alone refrigerant dryers.



### Heatless Desiccant Dryers

Series A\_XS and A\_TX.

### Heat Regenerative Desiccant Dryers

Series A\_TV and A\_RS.

### Nitrogen Generator

Designed to achieve maximum efficiency and gas quality.



### SmartAir Master Multi Compressor Controllers

Sequencers for up to 12 units.





# Protect your investment



## Assure warranty – to ensure your peace of mind!

The CompAir Assure Warranty and Service programmes will assure you up to 44,000 hours/6 years <sup>1)</sup>. It is one of the most generous warranties available in the industry affording you total piece 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> whichever is the soonest

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



## Advanced design - Easy servicing

The design of these packages ensures 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 also lowers 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

### L23 - L29 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] |
|------------------|--------------------------|------------------|---|-----------------------------------|-------------|---------------------------|
| 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         |

### L23F - L29F Fixed Speed with Integrated Dryer

| Compressor Model | Refrigeration dryer [type] | Pressure Dew Point <sup>3)</sup> [°C] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|----------------------------|---------------------------------------|-------------|---------------------------|
| L23F             | F29E                       | 5                                     | 840         | 1675 x 880 x 1612         |
| L26F             | F29E                       | 5                                     | 867         | 1675 x 880 x 1612         |
| L29F             | F29E                       | 5                                     | 871         | 1675 x 880 x 1612         |

### L23RS - L29RS Regulated Speed

| Compressor Model | Min. - Max. pressure [bar g] | Drive Motor [kW] | FAD <sup>1)</sup> at 7.5 bar g [m <sup>3</sup> /min] | FAD <sup>1)</sup> at 10 bar g [m <sup>3</sup> /min] | FAD <sup>1)</sup> at 13 bar g [m <sup>3</sup> /min] | Noise level @ 70% load <sup>2)</sup> , 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         |

### L23RSF - L29RSF Regulated Speed with Integrated Dryer

| Compressor Model | Refrigeration dryer [type] | Pressure Dew Point <sup>3)</sup> [°C] | Weight [kg] | Dimensions L x W x H [mm] |
|------------------|----------------------------|---------------------------------------|-------------|---------------------------|
| L23RSF           | F29E                       | 5                                     | 871         | 1675 x 880 x 1612         |
| L26RSF           | F29E                       | 5                                     | 898         | 1675 x 880 x 1612         |
| L29RSF           | F29E                       | 5                                     | 902         | 1675 x 880 x 1612         |

<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).

<sup>3)</sup> Data refer to ISO 7183, working pressure of 7 bar, inlet temperature 35°C and ambient temperature 25°C.



# 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®

### 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

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

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