



Reliability &
Efficiency without
Compromise

Rotary Screw Compressors



Premium compressor design
and industry leading warranty

L-Series
7 - 11 kW

Fixed & Regulated Speed

Good - Better - Best Efficiency



The L-Series from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops and expands the L-Series to achieve optimum performance and efficiency and maximum flexibility. The wide range of screw compressors from 7 to 11 kW includes fixed and regulated speed models, high efficiency models and is available as airstation including receiver and refrigerant dryer.

L-Range Fixed & Regulated Speed

- ▶ **Pressure Range**
5 to 13 bar
- ▶ **Volume Flow**
0.41 to 1.87 m³/min
- ▶ **Motor Power**
7.5 to 11 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 compressor's life.

Our top quality airends are covered by the new 5 Years warranty and upto 44,000 hours*

The dryers too are designed and manufactured in-house – the customer designed heat exchangers and patented control board delivering the very best combination of high efficiency, low pressure drop and small footprint.



“Known for reliability, continuously developed in efficiency, extended with flexibility, unmatched in terms of warranty.”

e-Range Highly Efficient Compressors, Fixed and Regulated Speed

The L-Series are designed in the Center of Excellence in Germany. The most important component of a compressor, the airend, is also produced on this site. The engineering team develop airends which perfectly match the compressor requirements and achieve highest performance and efficiency levels. The engineering and manufacturing teams are proud to build this range, which is known in the market not only for the efficiency but also for the flexibility it offers. The compressors are available mounted on a receiver and with a dryer, providing a compact solution and minimum space requirements.



A Design Concept Based on Reliability and Flexibility

- ▶ **Fully Integrated Airend**
The advanced design of the high efficiency airend allows operation at low rotational speeds, and consequently lowers the energy costs. The innovative integrated design, including oil separation, oil filter and thermostatic valve, reduces the number of external hoses and components offering excellent reliability.
- ▶ **Combined Air / Oil Cooler**
Equipped with a bypass for rapid warm-up and control of the oil temperature, reducing wear, eliminating condensate in the compressor system and providing low air discharge temperature.
- ▶ **High Efficiency Electric Motor**
The compressors are equipped with an energy saving IE3 electric motor.
- ▶ **Automatic Belt Tensioning System**
The maintenance-free system provides automatic and accurate belt tension and extends the belt life.
- ▶ **Factory-Filled Synthetic Lubricant**
Reduces service costs by extending the oil change period to up to 8,000 hours.
- ▶ **Low Noise Levels**
Allows the compressor to be placed at the point of use.
- ▶ **Up to 45°C Ambient Temperature**
Reliable operation, even in challenging environments.

Delcos Pro Compressor Controller

The control system ensures reliable operation and protects the investment by continuously monitoring 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:

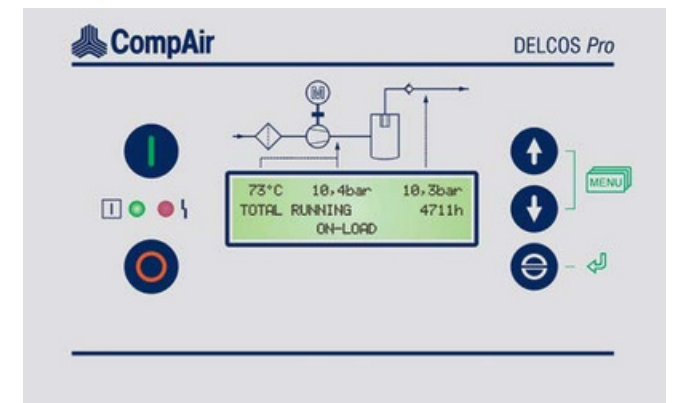
- Discharge / line pressure display
- Air / oil temperature display
- Total hours run and under load
- Service due indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop/start
- Remote start/stop
- Auto restart after power failure
- Second pressure setting
- Status indication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

Ergonomic Controller Positioning

Controller can be positioned on top or front of the compressor.



“It is exactly the quality you would expect from a company with a heritage of more than 200 years”



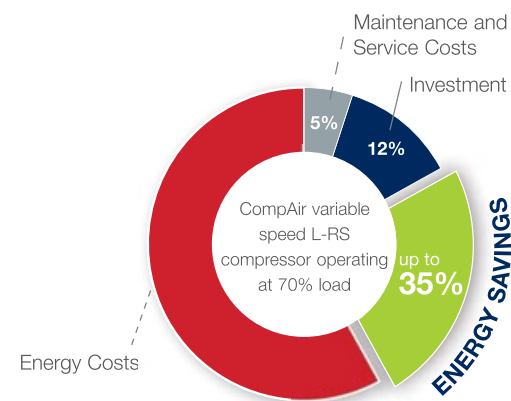
AirPlus

The best investment protection you can get

The Perfect Response to Individual Air Demand

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



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 System
- Compressed Air Refrigerant Dryer
- Heatless Desiccant Dryers
- Heat Regenerative Desiccant Dryers
- Nitrogen Generator
- SmartAir Master Multi Compressor Controllers



5 Years Warranty Upgrade!

The CompAir Extend 5 Warranty and Service programmes will assure you up to 40,000 hours / 5 years¹⁾. 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

The right product to do the job

L-Series - Technical Data

L07 - L11 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]
L07	7.5	7.5	1.30	70	215	667 x 630 x 1050
	10		1.06			
	13		0.85			
L11	7.5	11	1.87	70	225	667 x 630 x 1050
	10		1.61			
	13		1.32			

L07 RS - L11 RS Regulated Speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD 1] [m ³ /min]		Noise Level at 70% load 2] [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
			min.	max.			
L07 RS	7.5	7.5	0.48	1.26	63	222	667 x 630 x 1050
	10		0.44	1.01			
	13		0.41	0.83			
L11 RS	7.5	11	0.63	1.81	64	231	667 x 630 x 1050
	10		0.64	1.56			
	13		0.57	1.26			

L07 - L11 / L07 RS - L11 RS Airstation

Compressor Model	Nominal Pressure [bar g]	Refrigeration Dryer 3]	Air Receiver [Volume]	Air Outlet	Weight [kg]	Dimensions L x W x H [mm]
L07 / L07 RS	7.5	✓	270 litres	RP ¾"	336 / 353	1541 x 695 x 1577
	10					
L11 / L11 RS	7.5	✓	270 litres	RP ¾"	350 / 362	1541 x 695 x 1577
	10					

1] Data measured and stated in accordance with ISO 1217 Ed. 4, Annex C & 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 and ISO 9614-2, tolerance ± 3 dB(A).
 3] The refrigerant dryer requires a separate electric supply.
 For further specifications please refer to refrigerant dryer documentation.

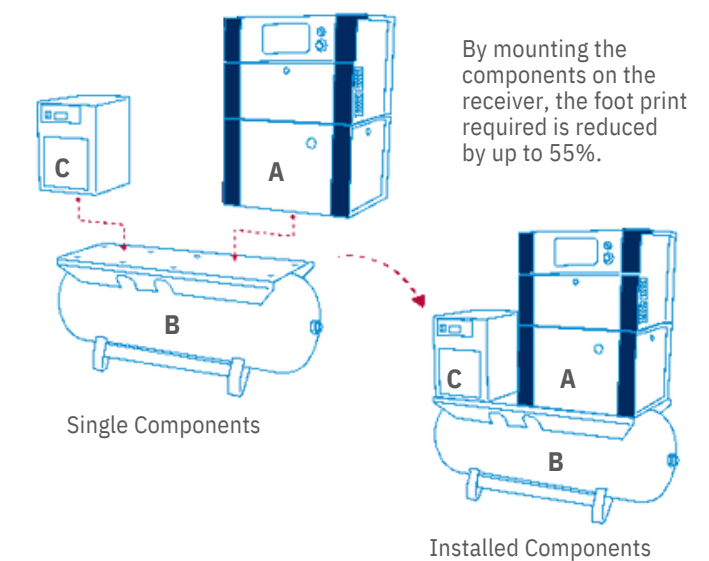
Standard range L07 to L11, RS Fixed & regulated speed

Based on the individual customer requirements, the compressors can be combined with different options to provide maximum flexibility. The combined versions including receiver or/and dryer are space saving solution – ideal where floor space is precious.

- Compressor base mounted
- Complete package including compressor, dryer and receiver

The stand alone compressors feature a very compact design with a class-leading footprint of just 0,4 m2. In the combination with dryer and receiver the floor space can be optimised, in addition the installation is very easy.

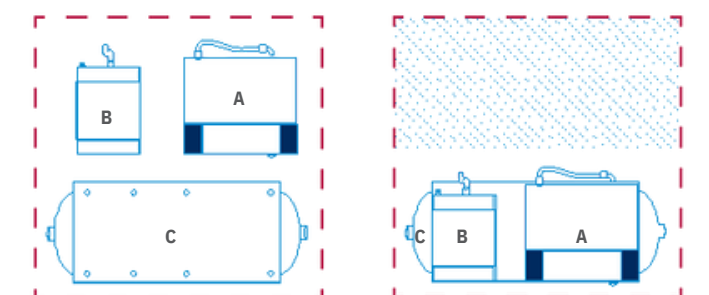
SMALL FOOT PRINT



In-house made airend

The high quality airends use state-of-the-art manufacturing techniques. They are designed with focus on reliability and efficiency. The rotors are accurate and thoroughly checked and measured by a computerised control system. The airends achieve a flat specific power consumption curve, which enables efficient use in wide rpm range.

TOP VIEW



Minimum floor space required

$$A + B + C = 1.25 \text{ m}^2 \text{ (L07 - L11)} \quad A + B + C = 3.9 \text{ m}^2$$

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*
- Two Stage 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

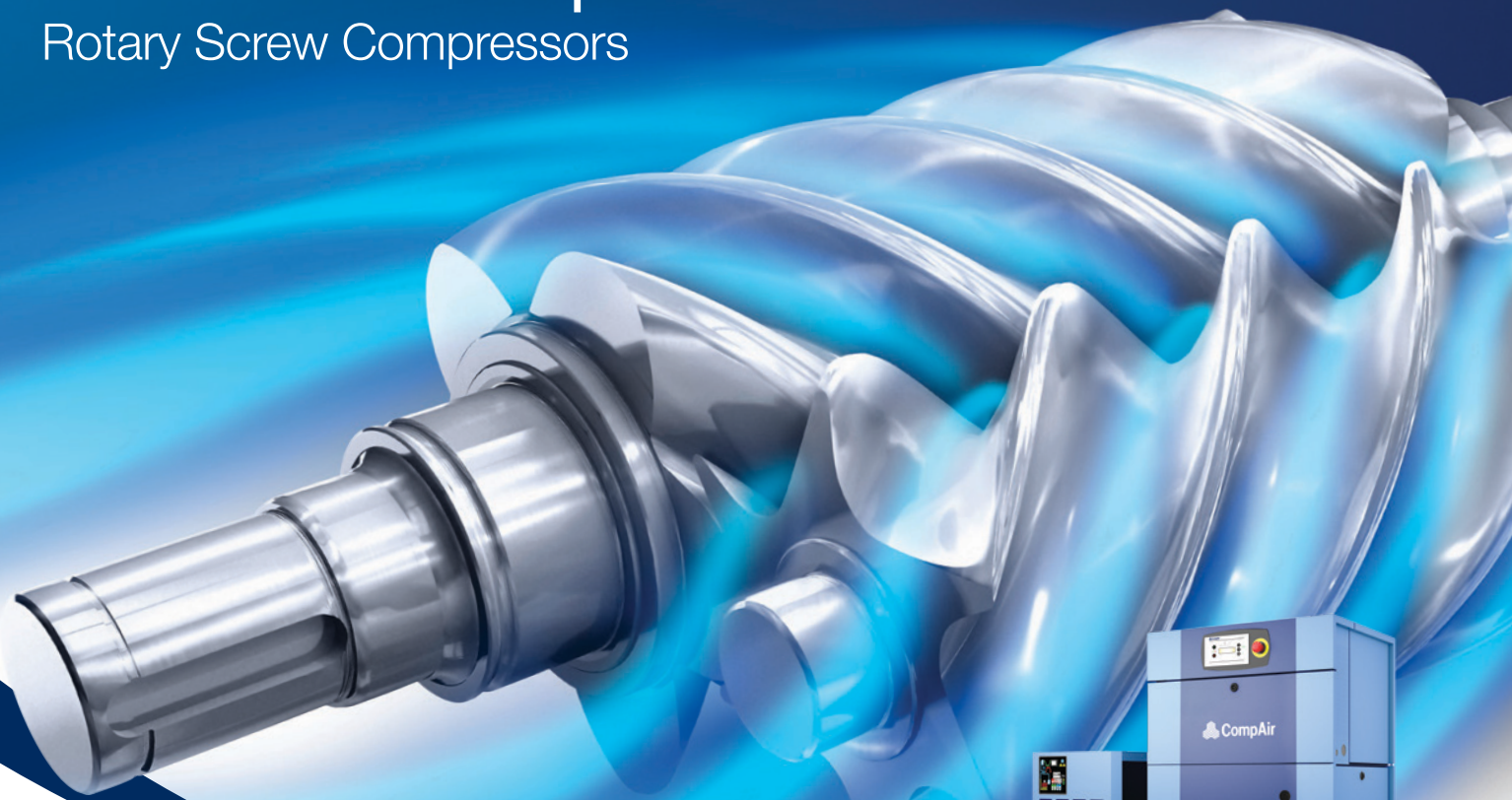
* These range of units are available in Fixed and Regulated Speed versions.
CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice.
All products are sold subject to the Company's conditions of sale.

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Reliability & efficiency without compromise

Rotary Screw Compressors



Premium compressor design
and industry leading warranty



L15 - L22
L15RS - L22RS

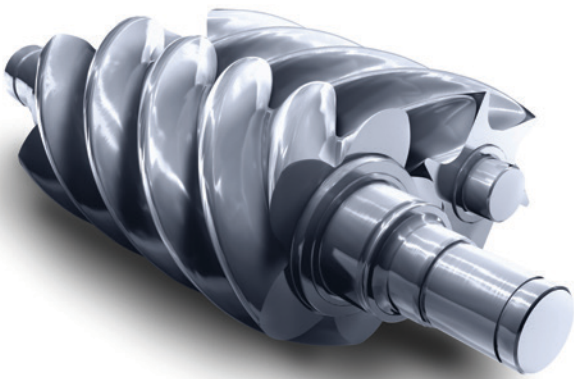
Fixed & Regulated Speed

Excellence in every detail

The L-Series from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops the L-Series to achieve cutting edge performance and efficiency. The L15 - L22 range of lubricated screw compressors comprise of fixed speed and regulated speed (RS) models and is available as a complete package including air receiver and refrigerant dryer.

- ▶ **Pressure range**
7.5 to 13 bar
- ▶ **Volume flow**
0.83 to 3.65 m³/min
- ▶ **Motor power**
15 to 22 kW



GERMAN 
ENGINEERING
DESIGN & MANUFACTURE

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 compressor's life.

Under the free Assure warranty the airends are covered **up to 44,000 hours or 10 years***.

* Whichever is soonest

“

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

”

A design concept based on reliability and flexibility

Fully integrated airend

The advanced design of the high efficiency airend allows operation at low rotational speeds, and consequently lowers the energy costs. The innovative integrated design, including oil separation, oil filter and thermostatic bypass valve, reduces the number of external hoses and components offering excellent reliability.

Combined air/oil cooler

Equipped with a bypass for rapid warm-up and control of the oil temperature, reducing wear, eliminating condensate in the compressor system and providing low air discharge temperature.

High efficiency electric motor

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

Automatic belt tensioning system

The maintenance-free system provides automatic and accurate belt tension and extends the belt life.

Factory-filled lubricant

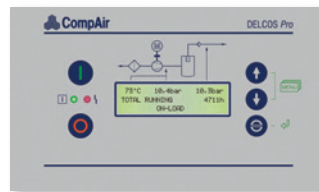
Reduces service costs by extending the oil change period to up to 4,000 hours.

Low noise levels

Allows the compressor to be placed at the point of use.

Up to 45°C ambient temperature

Reliable operation, even in challenging environments.



Delcos Pro compressor controller

The control system ensures reliable operation and protects the investment by continuously monitoring 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

Ergonomic controller positioning

Controller can be positioned on top or front of the compressor.

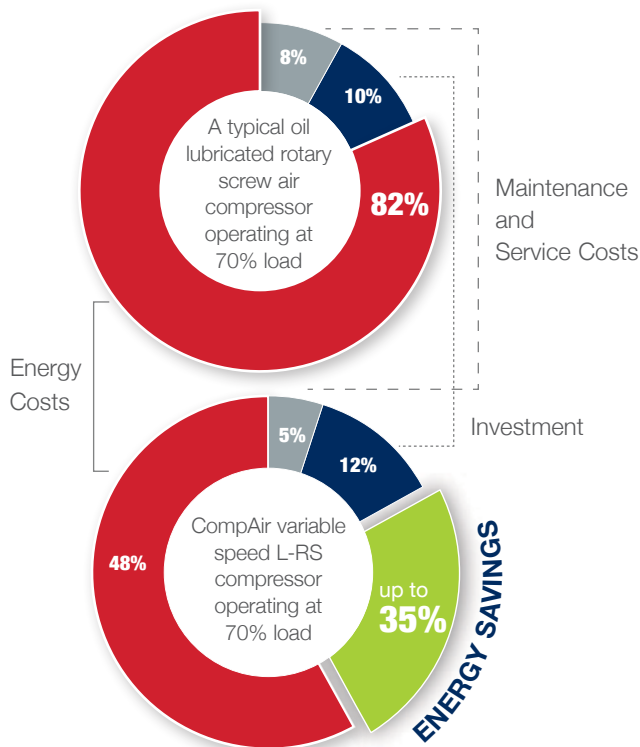


Regulated Speed Compressors

The perfect response to individual air demand

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 from 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

The complete packaged solution

CompAir offers complete Airstations from 15 to 22 kW including compressor, refrigerant dryer and air receiver.



Save energy with refrigerant dryers and their high quality heat exchanger with low pressure loss and Energy Saving mode that shuts dryer off during low loads.

Easy to install, easy to use

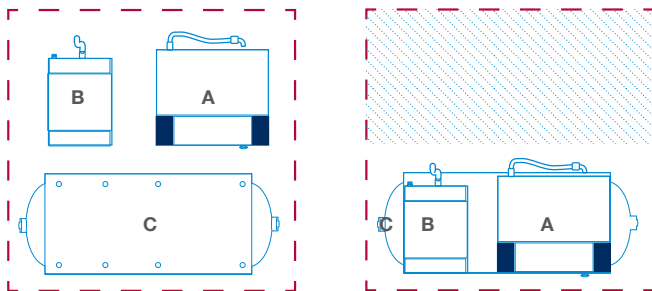
All components are perfectly matched and ready for "Plug and Play".

High quality air receiver

Built to the highest standards and are inspection-free for up to five years.

Minimum Footprint

By mounting the components on the receiver, the required floor space is reduced by 55%.



Minimum floor space required

Integrated heat recovery

All compressors are available with highly efficient heat recovery systems, which can be factory fitted or are available as retrofit kits comprising all the 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 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 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.



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 piece 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



L15 - L22 Fixed Speed

Compressor Model	Nominal Pressure	Drive Motor	FAD ¹⁾		Noise Level ²⁾	Weight	Dimensions L x W x H [mm]
	[bar g]		[kW]	[m ³ /min]			
L15	7.5	15	2.70		70	335	787 x 698 x 1202
	10		2.26				
	13		1.80				
L18	7.5	18.5	3.25		71	361	787 x 698 x 1202
	10		2.74				
	13		2.34				
L22	7.5	22	3.65		71	367	787 x 698 x 1202
	10		3.21				
	13		2.61				

L15RS - L22RS Regulated Speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD ¹⁾ [m ³ /min]		Noise Level at 70% load ²⁾ [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
			min.	max.			
			L15RS	7.5			
10	0.86	2.18					
13	0.83	1.67					
L18RS	7.5	18.5	1.33	3.05	68	381	787 x 698 x 1202
	10		1.28	2.62			
	13		1.22	2.20			
L22RS	7.5	22	1.04	3.54	69	386	787 x 698 x 1202
	10		0.93	3.15			
	13		0.90	2.66			

L15 - L22 / L15RS - L22RS Airstation

Compressor Model	Nominal Pressure [bar g]	Refrigeration Dryer ³⁾	Air Receiver [Volume]	Air Outlet	Weight [kg]	Dimensions L x W x H [mm]
L15 / L15RS	7.5	✓	500 litres	RP 1"	545 / 575	1883 x 815 x 1825
	10					
L18 / L18RS	7.5	✓	500 litres	RP 1"	617 / 637	1883 x 815 x 1825
	10					
L22 / L22RS	7.5	✓	500 litres	RP 1"	622 / 641	1883 x 815 x 1825
	10					

¹⁾ Data measured and stated in accordance with ISO 1217 Ed. 4, Annex C & 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 and ISO 9614-2, tolerance ± 3 dB(A).

³⁾ The refrigerant dryer requires a separate electric supply. Data refer to DIN ISO 7183, 8573-1:2010
(class 4, pressure dew point 3° C). For further specifications please refer to refrigerant dryer documentation.

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
 - > 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

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Reliability & efficiency without compromise

Rotary Screw Compressors



Premium compressor design
and industry leading warranty

L23 - L29
L23RS - L29RS

Fixed & Regulated Speed

Reliability. Performance. Value.

GERMAN
ENGINEERING
DESIGN & MANUFACTURE

“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 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 airend

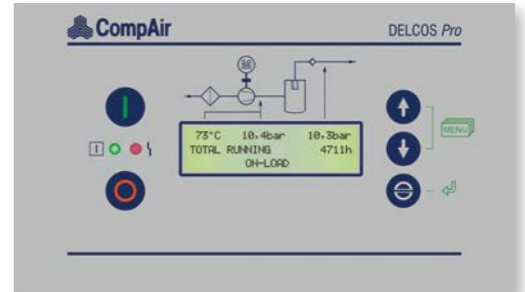
The high output airend with slow rotational speed reduces energy costs. In addition to this, the innovative design of the fail safe shaft seal, integrated oil filter and oil regulation valve, ensures external hoses are reduced to a minimum to guarantee the highest levels of quality and reliability are achieved. With the new extended warranty, the airends are covered **up to 5 years or 40,000 hours.***



* whichever is soonest.

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:

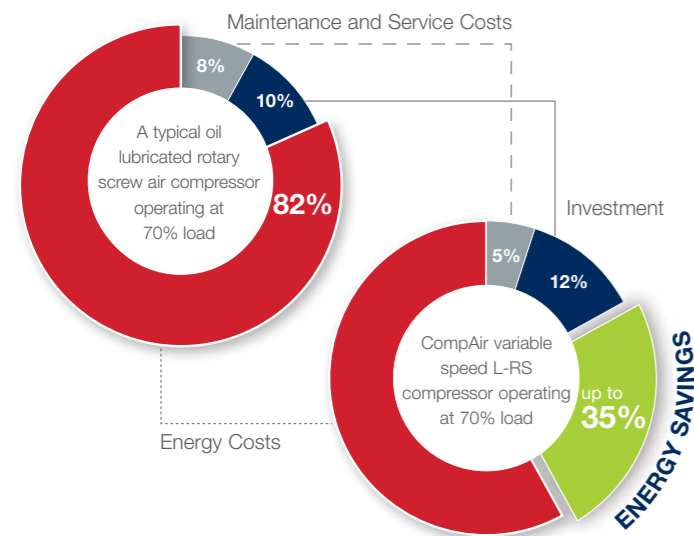
- Discharge/line pressure display
- Air/oil temperature display
- Total hours run and under load
- Service due indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop/start
- Remote start/stop
- Auto restart after power failure
- Second pressure setting
- Status indication
-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



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

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

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Easy servicing

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CompAir 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).

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



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CompAir

by Gardner Denver

Reliability & efficiency without compromise

Rotary Screw Compressors

INDUSTRY 4.0



Premium compressor design
and industry leading warranty

L160 - L290
L160RS - L290RS

Where reliability is key

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 new high capacity range L160 to L290 of lubricated screw compressors comprises of fixed speed and regulated speed (RS) models. The design focus of these compressors is purely on performance and efficiency. Apart from the premium efficiency airend, several features, such as fixed and regulated speed radial fans, have been added to further enhance efficiency and reduce running costs.



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.

▶ Pressure range

5 to 13 bar

▶ Volume flow

6 to 47 m³/min

▶ Motor power

160 to 250 kW



*Optional IE 4

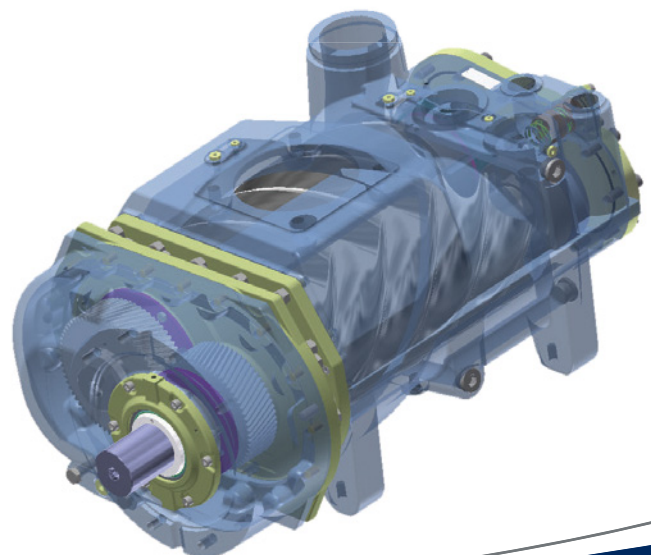




GERMAN 
ENGINEERING
DESIGN&MANUFACTURE

Premium efficiency airend

The high-output compression element with slow rotational speed reduces energy costs. In addition, 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 highest levels of quality and reliability are achieved. **Under the free Assure warranty the airends are covered up to 44,000 hours or 10 years*.**



*Whichever is soonest

Design Concept



Engineered to perform

Large surface after coolers

Optimum cooling of the air and oil circuit is achieved by drawing the coolest possible air onto the coolers from the outside. The coolers are offset and cooled independently by separate radial fans and exhaust chambers which ensures optimum oil temperature and lowest achievable air discharge temperature. This results in longer component life and lower downstream air treatment running costs.

High performance separator filter

Two-stage filtration ensures highest quality air is delivered to your air treatment resulting in lower pressure drops and reduced overall system running costs.

High efficiency electric motor

Premium efficiency IE3 motor fitted as standard. Optionally available with IE4 motor.

Thermostatically controlled radial fans

High efficiency, high thrust, very low noise fans fitted on both air and oil coolers.



Automatic motor lubrication

Correct charge of lubricant to the bearings at all times delivers unrivalled reliability and reduced motor life costs.



Viton vitaulic couplings

High quality solid hose and pipe connections ensure leak free connections keeping your compressor clean and service friendly.

Zero loss autodrain

Fitted to the air aftercooler to remove bulk water allowing greater flexibility of installation options.



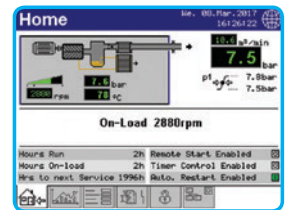
Get in touch

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

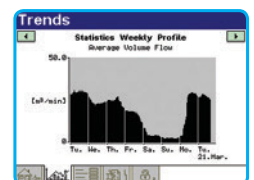
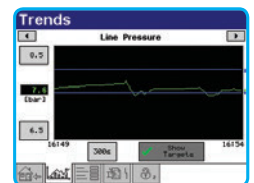
- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log – for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power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



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

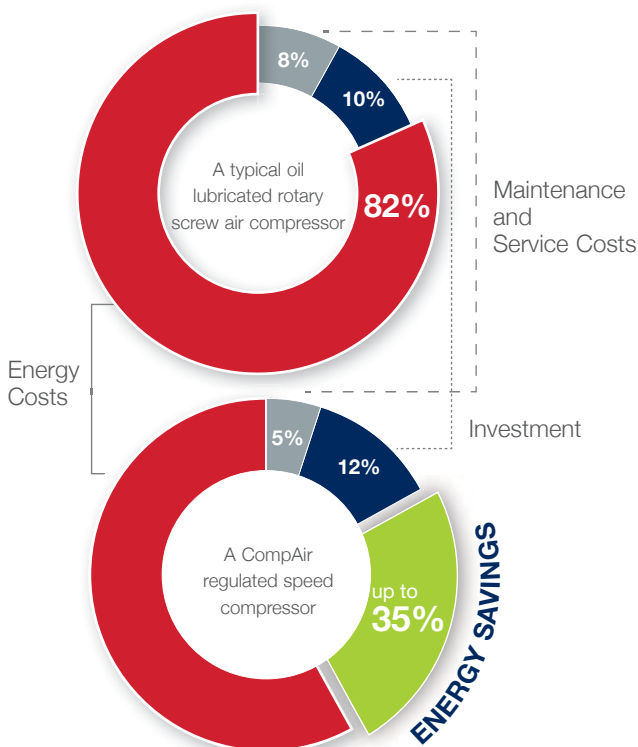


Regulated Speed Compressors

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 from optimised cooling system
- Ensures high availability and long-life

Regulated speed radial fan

This range can be optionally equipped with inverter driven radial fan on the oil after cooler.

- Optimises oil temperature regulation
- Saves energy costs

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



SmartAir Master compressed air management system

Energy management is crucial for all compressed air users, as the highest cost factor of a compressor is the energy to run it. Over a period of five years, energy accounts for typically 80% of the total costs. Compressed air systems typically comprise of multiple compressors delivering air to a common distribution system. The combined capacity of those machines is generally greater than the maximum site demand.

With CompAir's advanced demand responsive sequencer SmartAir Master, the efficiency of the compressor stations with up to twelve compressors including downstream equipment can be maximised. Apart from the energy savings, the compressed air management system also contributes to decreased downtime, optimum performance and monitoring, and ultimately leads to increased plant productivity.



A profitable investment

- Harmonises the workload of up to 12 fixed or regulated speed compressors
- Eliminates energy waste by tightening the network pressure to the narrowest pressure band
- Equalises the running hours for economic servicing and increased uptime

Characteristics of each compressor

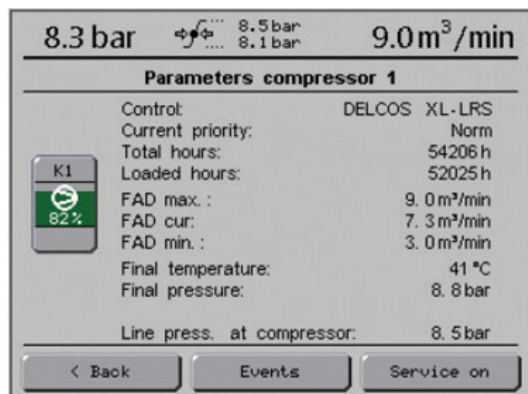
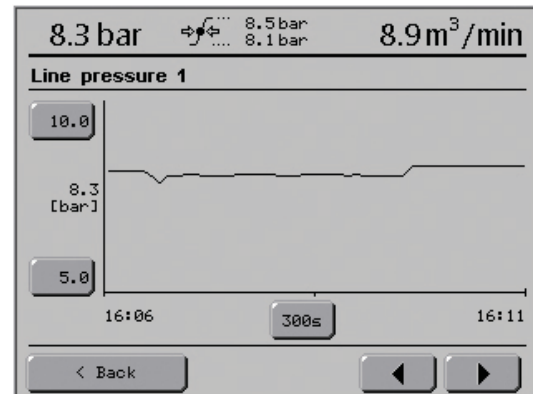


Diagram display



AirPlus

How to add further value

Heat recovery

The heat generated during compression is paid for as part of the process, then paid for again during removal by way of cooling fans. Instead of simply removing the heat, it can be used to generate free hot process water or hot water heating systems by utilising a high efficiency, factory fitted oil to water heat exchanger.

Upgrade your compressed air system with heat recovery

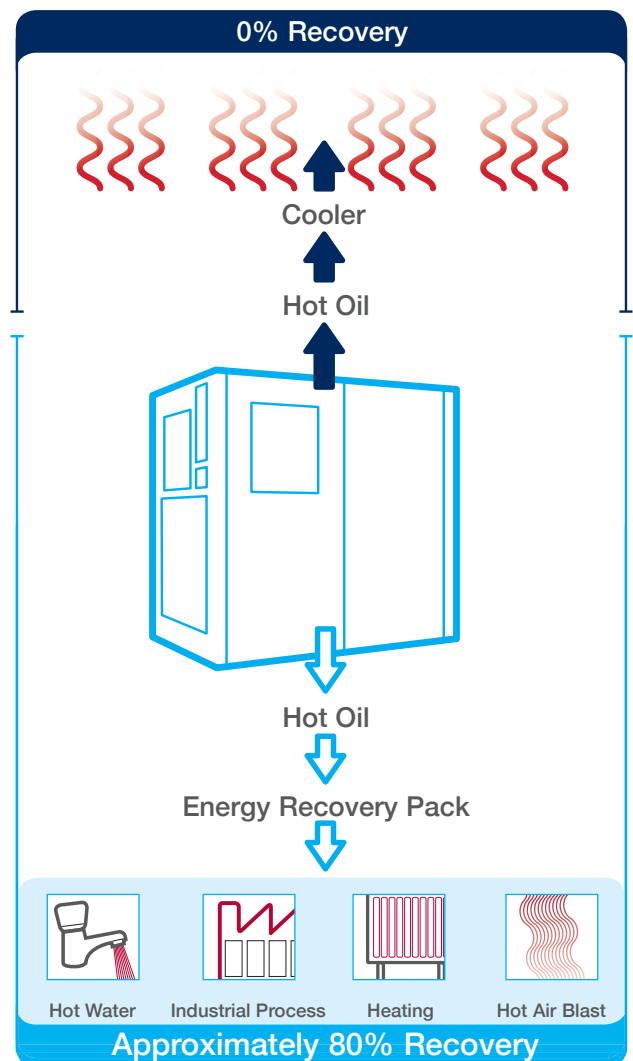
- Significant cost savings
- Lower CO₂ emissions
- Low investment costs

Inverter driven radial fan

The ability to vary the speed of the fan via a frequency inverter optimises the efficiency. All regulated speed compressors are equipped with inverter driven radial fans on the oil cooler as standard. Fixed speed compressors can have it factory fitted as an option.

Base load sequencing

Compressed air systems typically comprise of multiple compressors delivering air to a common distribution system. The addition of the optional base load sequencing module will allow to control centrally up to four compressors matching the delivery to the plant demand.





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.



Compressed Air Refrigerant Dryer

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



Water Cyclone Separator X Series

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

Heatless Desiccant Dryers

Series A_XS and A_TX.

Heat Regenerative Desiccant Dryers

Series A_TV and A_RS.



Compressed Air Filter CF Series

Efficient design for water, dust and particle removal.



Bekomat Condensate Drain and Oil-Water-Separation Systems

To drain compressed air condensate without loss of compressed air and separate any filtered oil to meet all the requirements of the Water Ecology Act and of other relevant provisions.

Nitrogen Generator

On-site industrial nitrogen gas generation using the factory compressed air. Designed to achieve maximum efficiency and gas quality.



The best investment protection you can get



Compact design – easy installation

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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

L160 – L290 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]
L160	7.5	160	32.04	76	4186	2949 x 2111 x 2193
	10	160	28.20	76	4186	2949 x 2111 x 2193
	13	160	23.91	76	4186	2949 x 2111 x 2193
L200	7.5	200	39.23	77	4415	2949 x 2111 x 2193
	10	200	34.85	77	4415	2949 x 2111 x 2193
	13	200	29.38	77	4415	2949 x 2111 x 2193
L250	7.5	250	42.03	78	4625	2949 x 2111 x 2193
	10	250	37.01	78	4625	2949 x 2111 x 2193
	13	250	32.64	78	4625	2949 x 2111 x 2193
L290	7.5	250	47.10	79	4650	2949 x 2111 x 2193
	10	250	41.53	79	4650	2949 x 2111 x 2193
	13	250	36.44	79	4650	2949 x 2111 x 2193

L160RS – L290RS Regulated Speed

Compressor Model	Nominal Pressure [bar g]	Drive Motor [kW]	FAD ¹⁾ [m ³ /min]	Noise Level at 70% Load ²⁾ [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L160RS	5 - 13	160	6.54 - 32.33	75	4378	2949 x 2111 x 2193
L200RS	5 - 13	200	5.99 - 39.44	77	4573	2949 x 2111 x 2193
L250RS	5 - 13	250	5.83 - 42.80	78	4669	2949 x 2111 x 2193
L290RS	5 - 13	250	5.87 - 47.02	79	4684	2949 x 2111 x 2193

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:
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