

ROTARY SCREW COMPRESSORS

FIXED SPEED

REGULATED SPEED (RS)



⇒ L23 – L29

⇒ L23RS – L29RS

⇒ INTELLIGENT AIR TECHNOLOGY – FROM 22 – 30 kW FIXED AND REGULATED SPEED

Engineering Excellence – By understanding the challenges our customers face and by listening to their needs, we are continually developing our compressor technologies achieving improved performance and efficiency.



⇒ PREMIUM EFFICIENCY AIREND

The high output compression element 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.

⇒ LARGE SURFACE AFTER COOLER

Optimum cooling to ensure low operating and discharge temperatures.

⇒ HIGHEST QUALITY CONNECTIONS

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

⇒ 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.

⇒ TRIED AND TESTED INVERTER CONCEPT

Integrated in the electric cabinet.

⇒ ENERGY SAVING ELECTRIC MOTOR

The compressors are equipped with an energy saving high efficiency electric motor which reduces CO₂ emissions.

**⇒ CompAir are committed to quality and innovation
and understanding the customers' needs.**



➤ INTEGRATED DRYER OPTION

All models are available with an integrated dryer. This option comes complete with a dryer and water separator, both 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 actually needs compressed air – unlike conventional dryers which continue to consume energy even when the system is off load.

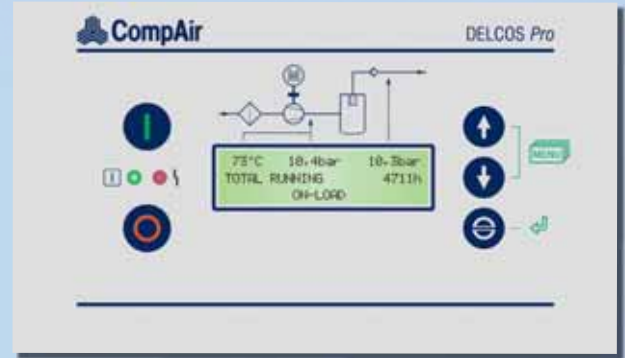
These features not only save energy but considerably enhance the reliability of the compressed air supply.

➤ THERMOSTATICALLY CONTROLLED MOTOR DRIVEN FAN

High efficiency extremely quiet fan allows the compressor to be operated in the work place, and allows the maximum duct length without assistance.

➤ ADVANCED DESIGN – EASY SERVICING

The design of these packages assures 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.



➤ DELCO Pro INTELLIGENT CONTROLLER

The new control system ensures reliable operation and protects your 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 with a clear readable text.

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



➤ REDUCE THE COST OF OWNERSHIP

➤ REGULATED SPEED COMPRESSORS

Perfect response to your individual air demands with regulated speed technology

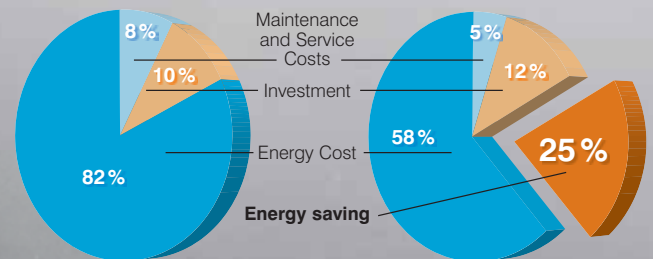
Regulated speed compressors from CompAir can efficiently and reliably handle the varying air demand found in most plant air systems.

These compressors speed up and slow down to match air supply to air demand as it fluctuates. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

➤ REMARKABLE ENERGY SAVINGS

Annual cost of ownership with regulated speed compressors

- A** A typical oil lubricated rotary screw air compressor operating at 70% load.
- B** CompAir regulated speed L-RS compressor at 70% load.



$$E = mc^2$$

➤ COMPAIR RS FEATURES ARE YOUR BENEFITS!

Wide regulation range

- No cycles means substantial energy savings

Perfect motor – drive – airend design

- High efficiency across broad flow range
- Substantial energy savings performance

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 time



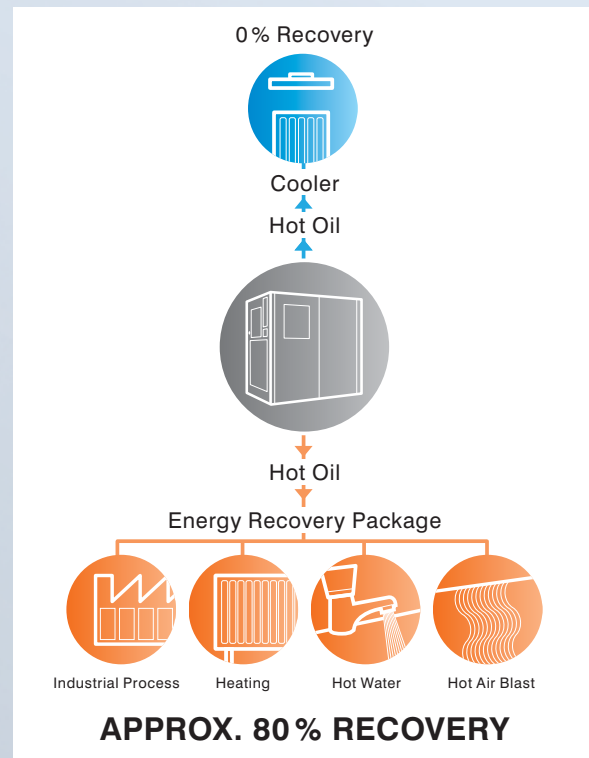
**airOndemand**

⇒ RECOVER THE EXCESS HEAT IN YOUR COMPRESSOR AND SAVE MONEY

Approximately 10% of all electricity used in industry is accounted for by compressed air systems. It is a thermodynamic fact that around 95% of this energy is converted to heat and is wasted to the atmosphere through heat dissipated by the motor and cooling system, with the majority lost via the oil cooler.

CompAir's heat exchangers give you the opportunity to save money, energy and reduce your carbon footprint. They can be factory fitted, or are available in a kit form comprising all the necessary pipe-work and fittings to be retrofitted in the field.

⇒ *Energy Recovery System – factory fitted or retrofit kit*



assure™

First Class Compressor - First Class Warranty

⇒ **WARRANTY – to ensure your peace of mind!**

The CompAir Assure Warranty and Service programs will assure you up to 44,000 hours/6 years¹⁾ peace of mind, and is one of the most generous warranties available in the industry.

Your Benefits:

- The Assure warranty is totally free to the compressor owner²⁾
- 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⁾ whichever is the soonest

²⁾ subject to Terms & Conditions



➤ COMPRESSED AIR ACCESSOIRES

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.



➤ *Refrigerant – Zero ODP*

Ozone friendly.



➤ *Heatless Desiccant Dryers*

Series A_XS and A_TX.



➤ *Heat Regenerative Desiccant Dryers*

Series A_TV and A_RS.

➤ *Condensate Drain Bekomat*

System to drain compressed air condensate without loss of compressed air.



➤ *Oil-Water Separation System*

Proven and enhanced oil-water separation system for disposal of compressed air condensate.



➤ *Compressed Air Filter CF N Series*

Particle removal including water and oil aerosols.



➤ *Water Cyclone Separator X N Series*

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

➤ *SmartAir Lite & SmartAir Master Sequencers*

for up to 12 units



GENUINE SPARE PARTS

Enjoy complete peace of mind with CompAir

Genuine CompAir spare 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 the following characteristics:

- Long service life, even under harshest conditions
- Minimal losses contributing to energy savings
- High reliability improves plant “up time”
- Products manufactured within the strictest Quality Assurance Systems



➔ **L23 – L29 SCREW COMPRESSOR (L):**

COMPRESSOR MODEL		L23			L26			L29		
Nominal pressure	bar g	7.5	10	13	7.5	10	13	7.5	10	13
Drive motor	kW	22			26			30		
FAD ¹⁾	m ³ /min	4.16	3.45	2.98	4.84	4.13	3.44	5.52	4.81	4.12
Noise level ²⁾ , 1 m	dB(A)	67			68			69		
Weight	kg	650			677			681		
Dimensions (LxWxH)	mm	1345x880x1612			1345x880x1612			1345x880x1612		

➔ **L23 – L29 SCREW COMPRESSOR WITH INTEGRATED DRYER (LF):**

COMPRESSOR MODEL		L23F	L26F	L29F
Refrigeration dryer	type	F29E	F29E	F29E
Pressure dew point ³⁾	°C	5	5	5
Weight	kg	840	867	871
Dimensions (LxWxH)	mm	1675x880x1612	1675x880x1612	1675x880x1612

➔ **L23 RS – L29RS SCREW COMPRESSOR REGULATED SPEED (LRS):**

COMPRESSOR MODEL		L23RS	L26RS	L29RS
Min. – Max. pressure	bar g	5 – 13	5 – 13	5 – 13
Drive motor	kW	22	26	30
FAD ¹⁾ at 7.5 bar g	m ³ /min	1.11 – 4.12	1.11 – 4.78	1.11 – 5.41
FAD ¹⁾ at 10 bar g	m ³ /min	1.03 – 3.50	1.03 – 4.10	1.03 – 4.50
FAD ¹⁾ at 13 bar g	m ³ /min	1.35 – 2.89	0.92 – 3.56	0.92 – 3.82
Noise level at 70% load ²⁾ , 1 m	dB(A)	68	69	69
Weight	kg	681	708	712
Dimensions (LxWxH)	mm	1345x880x1612	1345x880x1612	1345x880x1612

➔ **L23 RS–L29RS SCREW COMPRESSOR REGULATED SPEED WITH INTEGRATED DRYER (LRSF):**

COMPRESSOR MODEL		L23RSF	L26RSF	L29RSF
Refrigeration dryer	type	F29E	F29E	F29E
Pressure dew point ³⁾	°C	5	5	5
Weight	kg	871	898	902
Dimensions (LxWxH)	mm	1675x880x1612	1675x880x1612	1675x880x1612

¹⁾ Data measured and stated in accordance with ISO1217, Ed. 4, Annex C & Annex E at 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 +/- 3 dB

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

INNOVATIVE PRODUCTS AND SERVICES

– TRUST COMPAIR TO SUPPLY INTELLIGENT COMPRESSED AIR SOLUTIONS



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 Dryer
- Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer

Modern Control Systems

- CompAir DELCOS Controllers
- SmartAir Master Sequencer

Value Added Services

- Air Audit
- Performance Reporting
- Leak Detection

Leading Customer Support

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

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.

