



## **LRS Series**

L23RS–L45RS (30–60 HP)

Variable Speed Rotary Screw Compressors





### *A Better Approach*

CompAir has a long history of manufacturing compressed air equipment. What sets CompAir apart is our design approach. We use advanced design techniques that result in products which uniquely combine ***simplicity*** with ***cutting edge technology***. The result: a compressor that delivers outstanding performance with unprecedented serviceability.

Advanced Technology

# INSPIRED SIMPLICITY

## *The Total Package*

CompAir has the total package—extensive compressor and air treatment product lines, sales and service support through our extensive network of authorized local distributors, and industry leading warranty programs. Because we offer more than just compressed air equipment, we can provide *solutions* that keep you running, protect your production objectives and save you money.

Expect More?  
Choose CompAir.



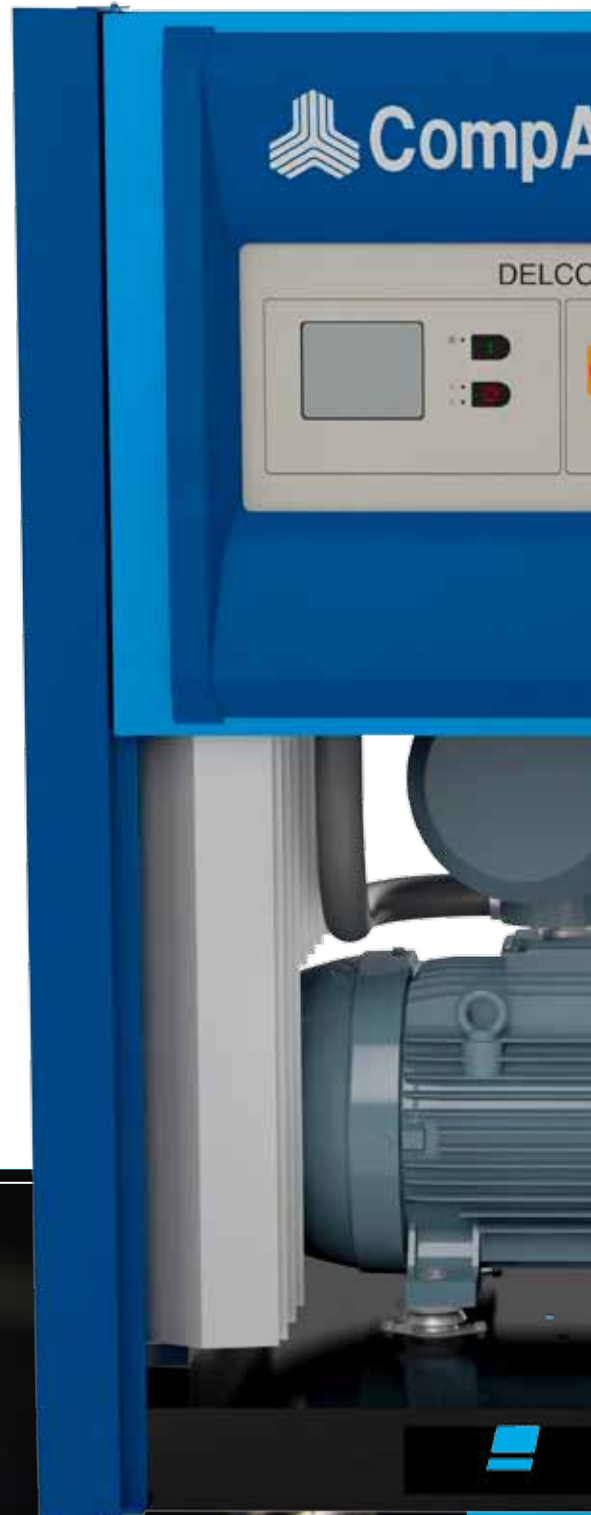


# A Whole New Level of Serviceability

Designed with the customer in mind, all CompAir compressors feature a clean, simple and intuitive layout. Our “advanced but simple package design” ensures first class serviceability by:

- Lowering maintenance and service costs
  - Reduced number of components to maintain
  - Machines all feature one common layout
- Lengthening service life
  - Superior long-life components ensure excellent compressed air quality
- Limiting down time
  - Quick and complete access to grouped service components
  - Removable hinged enclosure panels

Experience the difference of a *truly* service-friendly compressor







## Easy to Navigate, Compact Packages



Without sacrificing serviceability, CompAir compressor packages feature some of the smallest footprints in the industry.





### *Small footprint or superior serviceability?*

Achieve the best of both worlds with CompAir. Our integrated design eliminates unneeded connections and minimizes piping; allowing the footprint of the package to be reduced without overlooking the importance of serviceability.

**Lower  
installation  
costs**

**Increased flexibility  
when determining  
installation location**

**Ability to more  
easily handle and  
move machines**

**Small Footprints = Cost Savings**

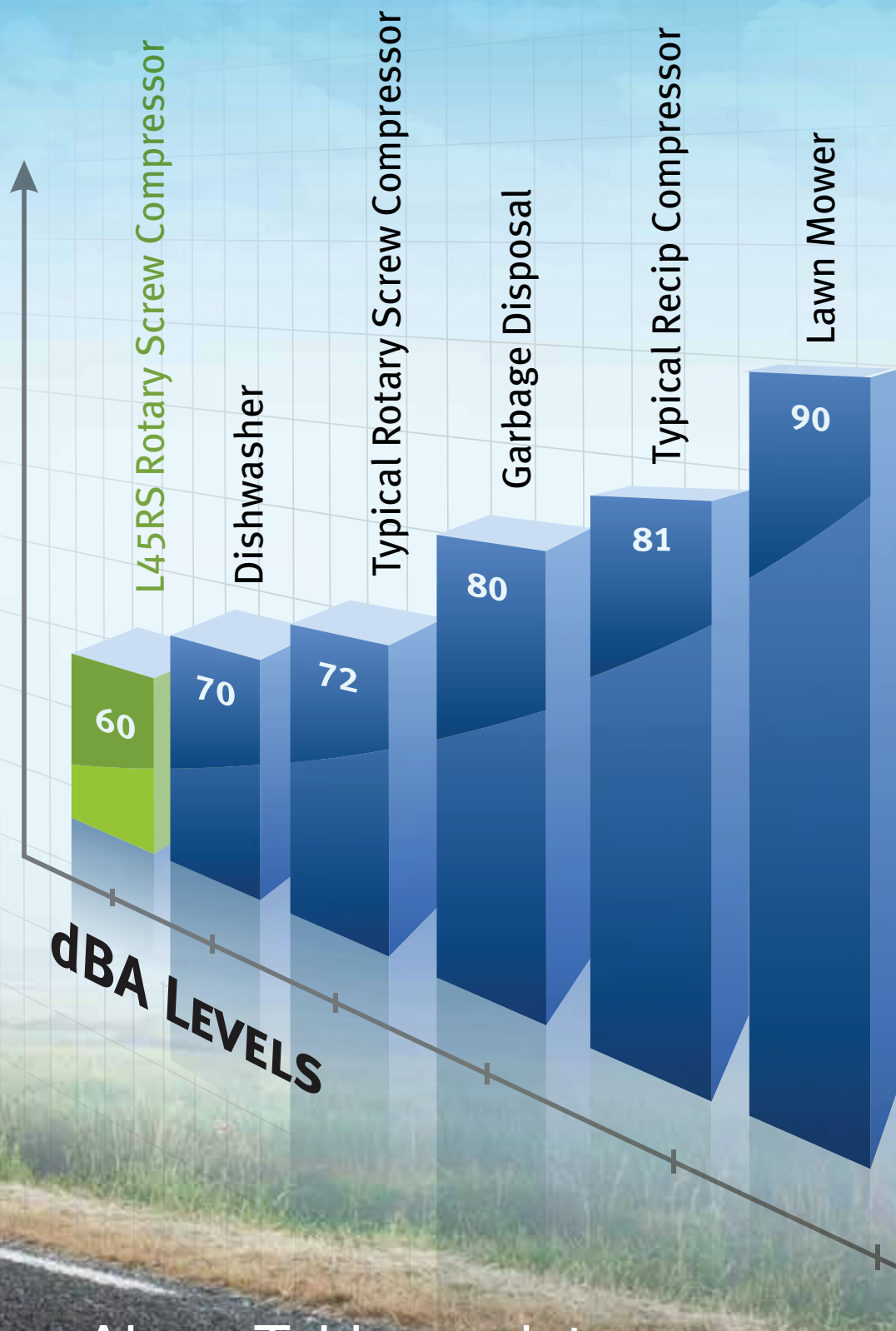


The background of the entire page is a scenic landscape. A dark asphalt road with a white line on the right side curves from the bottom left towards the center. In the distance, a small village with a prominent church is visible. A rainbow arches over the horizon in the background. The sky is a clear, bright blue. Overlaid on the left side of the image are several curved lines in shades of blue and green, which also frame the title text.

# Nearly SILENT

## Noise Levels

CompAir's compressor designs feature high quality, sound installation enclosure panels and a low noise thermostatically controlled motor driven fan. These components reduce the noise to whisper quiet levels and eliminate the need for a separate compressor room, saving you money on installation costs.



CompAir — Taking quiet  
to a whole new level



### *Stay Focused On What Is Important*

Compressors are more than just a financial investment. They are a key component in ensuring that you, as a manufacturer, processor and operator, receive consistent, high quality low cost air. CompAir uses the latest design techniques to develop a compressor that focuses on the three most important aspects of a compressor.

## Reliability. Performance. Value.





Integrated  
Thermostatic  
Mixing Valve

Direct Angle  
Injection

Direct Gear Drive

Fewer Hose  
Connections

Low Rotational Speeds

# RELIABILITY

Integrated Oil Filter

Reduced Number  
of Components

Fail Safe Shaft System

Less Leak  
Opportunities

Industrial Grade  
Components

Semi Integrated  
Airend

As a member of the Compressed Air and Gas Institute's performance verification program, you can rest assured that the performance numbers that CompAir publishes are consistent with the actual performance of our machines. CompAir compressors, just as all lubricated rotary screw compressors 5HP and above, are third party tested to ensure that our performance numbers are accurate, easy-to-understand and verified.



CompAir — Exceeding your expectations

# Reduce Energy. Maximize Efficiency. SAVE MONEY.

## *Perfect Response to Your Individual Air Demand*

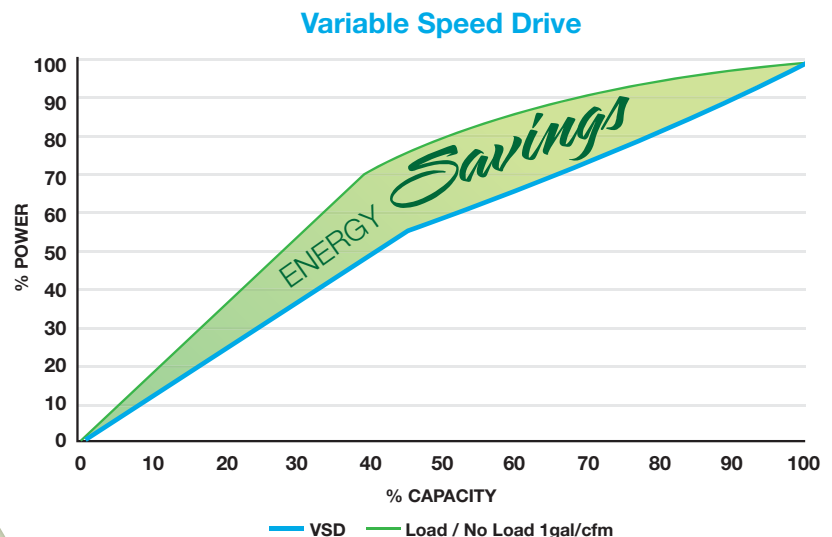
Variable speed compressors from CompAir can efficiently and reliably handle the varying air demand. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

## *Minimize Your Energy Consumption*

The largest cost component of a compressor during its lifetime is the power required to operate it. Maximum efficiency at any level of demand cuts energy costs and saves money.



## Energy Savings



High Efficiency  
TEFC Motor

Superior  
Specific Power

Minimal Pressure Drop

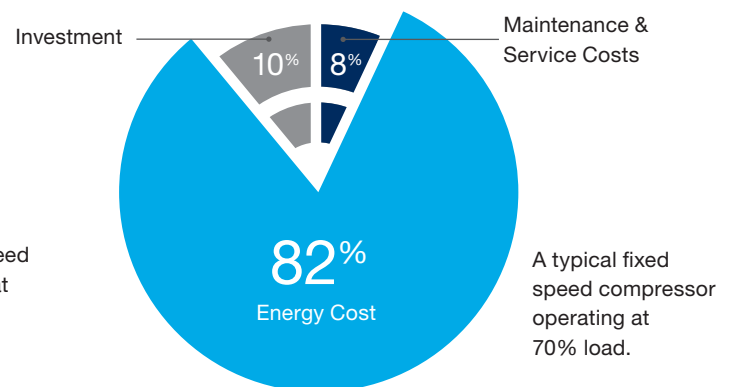
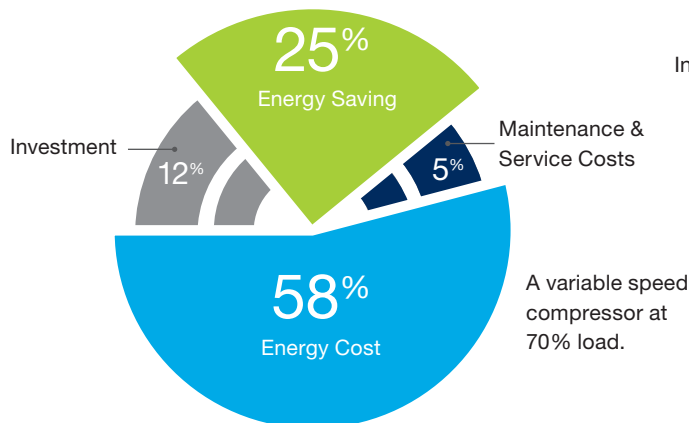
# VALUE

Low Life  
Cycle Costs

Market Leading  
Energy Savings

Lowest kW/100 CFM

## Variable Speed vs. Fixed Speed



Using a variable speed compressor can easily **save 25% energy** by using just the right amount of energy required to do the job and no more.



# get in touch

with the next generation  
of compressor controllers



## State-of-the-Art

CompAir completes its industry leading compressor packages with state-of-the-art intelligent Delcos microprocessor controllers. Featuring advanced software and an easy to use interface, CompAir's controllers provide and display an extensive amount of data on the operation of your compressor.



# Built-In Intelligent Controls



## *Delcos Pro and Delcos XL Controller Features*

- Real time clock
- Second pressure setting
- Touch Screen (Delcos XL only)
- Discharge/line/network pressure data displayed
- Advanced fault history log
- Programmable inputs and outputs
- Auto restart after power failure
- RS485-Modbus RTU Standard
- Optional SD card for data logging (Delcos XL only)
- Optional Baseload sequencing to control multiple machines (Delcos XL only)

Best

# WARRANTY

in the Industry

## *Experience Peace of Mind*

CompAir's engineering philosophy ensures long-lasting, reliable equipment. Our simple, but bold warranty programs demonstrate our belief in the quality found in CompAir compressors.

Our standard warranty ensures that you've got peace of mind when it comes to your system's operation. For added protection, take advantage of our 10 year extended warranty program. Simply stated, it's the best in the industry.







Superior

# SUPPORT

at a Local Level





## Sales & Service Distributors Across America

### *An Extensive Network*

By leveraging CompAir's extensive network of factory trained authorized local distributors, your sales, service and technical support needs can be handled quickly and easily. Keeping your compressors maintained and adequately serviced has never been simpler.

To find a distributor  
scan the QR code or visit:

<http://us.compair.com/find>







Keeping The System

# HEALTHY

Ensure your  
compressed air system  
remains a total package





### *Factory-Specified Parts & Accessories*

Each and every part that goes into a CompAir compressed air system is tested and approved by our world-class Engineering team. Don't trust some faceless pirate to supply the vital parts and accessories that keep your compressed air system healthy. Where will they be when their knock-off parts cause problems for your operation?

### *Replacement Parts*

CompAir air compressor parts have tolerances as low as one-ten-thousandths of an inch. Keep *that* in mind as you decide where to purchase your replacement parts.

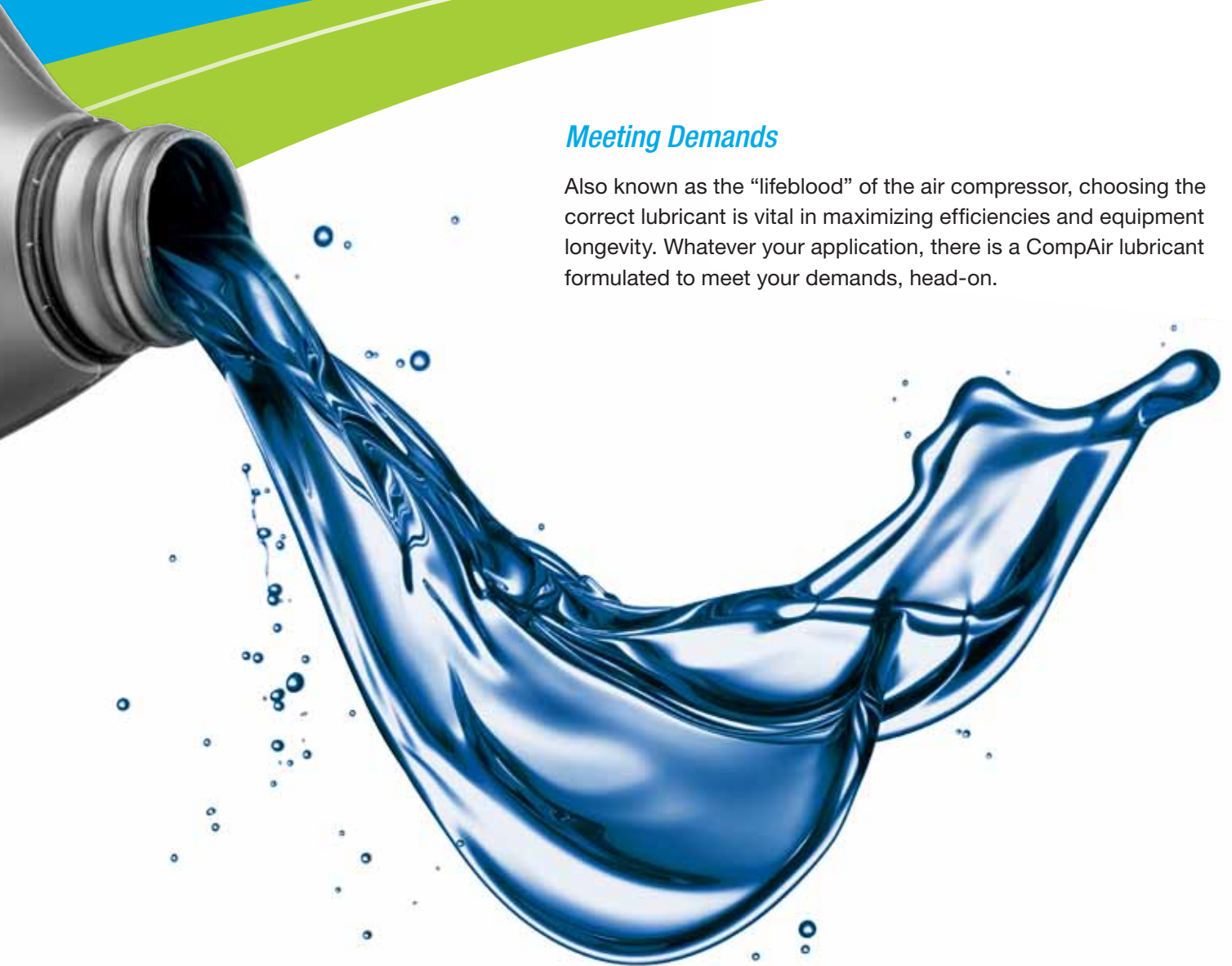
### *Service Components*

Oil filters, separators and air filters are specified and designed into a CompAir compressor as part of the total package. Replacing these components with genuine CompAir parts ensures that your compressed air system remains a total package.

# Lubricant SOLUTIONS

## *Meeting Demands*

Also known as the “lifeblood” of the air compressor, choosing the correct lubricant is vital in maximizing efficiencies and equipment longevity. Whatever your application, there is a CompAir lubricant formulated to meet your demands, head-on.



Semi-Synthetic High Temperatures  
**SYNTHETIC** Food Grade  
High Performance

### *L23RS – L29RS Screw Compressor*

Model	Nominal Pressure	Drive Motor		FAD <sup>1</sup>	Noise Level <sup>2</sup>	Weight	Dimensions L x W x H
	psig	HP	kW	cfm	dBA	lbs	inches
L23RS	100 125 190	30	22	146 135 102	68	1501	53 x 35 x 64
L26RS	100 125 190	35	26	169 157 126	68	1561	53 x 35 x 64
L29RS	100 125 190	40	30	191 176 135	70	1570	53 x 35 x 64

1) Data measured and stated in accordance with ISO 1217 Annex C 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  $\pm 3$  dB(A).

### *L30RS – L45RS Screw Compressor*

Model	Nominal Pressure	Drive Motor		FAD <sup>1</sup>	Noise Level <sup>2</sup>	Weight	Dimensions L x W x H
	psig	HP	kW	cfm	dBA	lbs	inches
L30RS	100 125 190	40	30	194 183 170	68	2039	68 x 36 x 65
L37RS	100 125 190	50	37	242 228 186	68	2099	68 x 36 x 65
L45RS	100 125 190	60	45	281 265 217	69	2147	68 x 36 x 65

1) Data measured and stated in accordance with ISO 1217 Annex C 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  $\pm 3$  dB(A).



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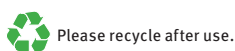


[www.CompAir.com](http://www.CompAir.com)

[www.CompAir.com/contact](http://www.CompAir.com/contact)  
866-606-6131

CompAir USA  
1301 North Euclid Avenue  
Princeton, IL 61356  
United States of America

CompAir Canada  
2390 South Service Road West  
Oakville, Ontario L6L 5M9  
Canada



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