

Gardner Denver

L07RS-L22RS (10-30 HP)
VARIABLE-SPEED ROTARY SCREW COMPRESSORS

LRS Series



Advanced Technology Inspired Simplicity

A Better Approach

Gardner Denver has a long history of manufacturing compressed air equipment. With our LRS Series line of products, we have uniquely combined ***simplicity*** with ***cutting edge design***. The result—a compressor that delivers outstanding performance with unprecedented serviceability.





The Total Package

Gardner Denver 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 Gardner Denver

A Whole New Level of Serviceability

Designed with the customer in mind, all Gardner Denver LRS Series compressors feature a clean, simple and intuitive layout. The “advanced but simple package design” ensures first-class serviceability by:

- Lowering maintenance and service costs
 - Reduced number of external hoses and components to maintain
 - Automatic belt tensioning system provides correct belt tension and longer belt life
- Lengthening service life
 - Superior long-life components ensure excellent compressed air quality
 - Combination air/oil cooler design eliminates unnecessary wear and condensate in the compressor system
- Limiting down time
 - Quick access to grouped service components behind a lift-off canopy

Experience the difference of a truly
service-friendly compressor






Easy to Navigate,
Compact Packages

Small Footprint or Superior **Serviceability?**


Achieve the best of both worlds with Gardner Denver's LRS Series Compressors. The 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

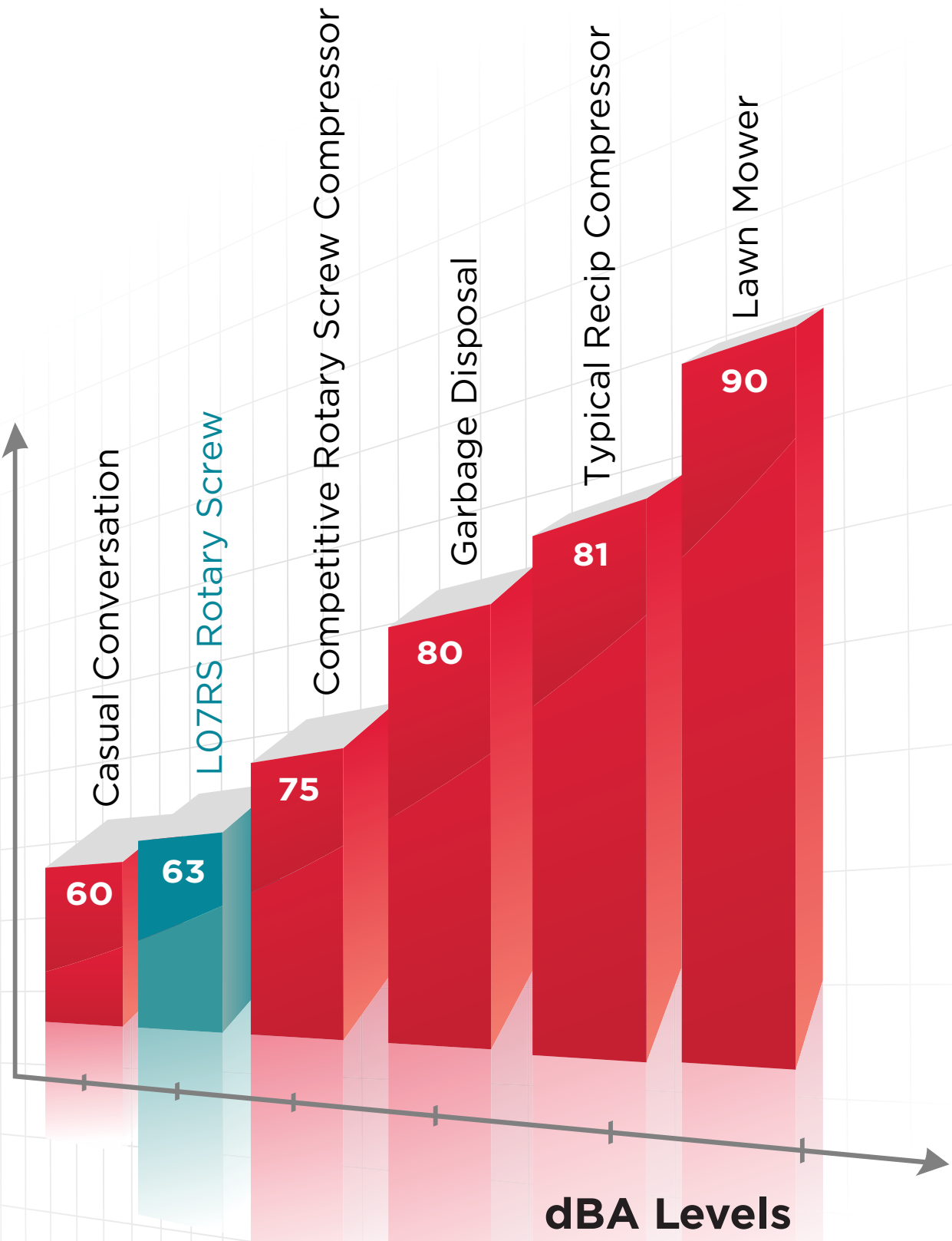
Small Footprints = **Cost Savings**

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



Nearly **Silent** Noise Levels

The Gardner Denver LRS Series compressor designs feature high-quality, sound-insulating 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 money on installation costs.



Gardner Denver —

Taking quiet to a whole new level

The Complete Package

Gardner Denver's AirStation is a complete air system in one package. Using a fully integrated rotary screw compressor, tank-mounted with optional dryer, the AirStation is a true "plug and play" compressed air solution.

By mounting the components on the receiver, the **FOOTPRINT** required for installation is **REDUCED BY MORE THAN 50%**





It's All In The Details



Every component on the Gardner Denver AirStation was designed with the end user in mind. From the zero air-loss automatic tank drain to the integrated forklift slots, we paid attention to the details.



The three way bypass valve allows for dryer maintenance while the compressor is running and corrosion-resistant stainless steel air supply piping minimizes the chance for costly leaks.



The optional refrigerated dryer guarantees top performance with low pressure losses. Our optional integrated cold coalescing filter delivers a 20-25% reduction in oil content compared to a standard dryer with an external afterfilter.

- Integrated Grade B filter standard



Reduce Energy. Maximize Efficiency. Save Money.

Perfect Response to Your Individual Air Demand

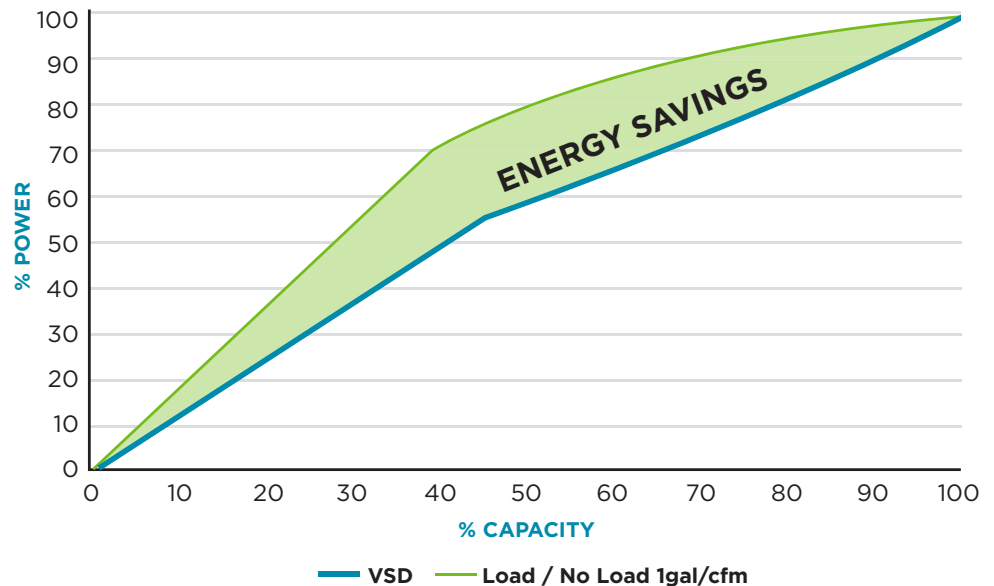
Variable speed compressors from Gardner Denver can efficiently and reliably handle the varying air demand. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

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.



Variable Speed Drive



Energy Savings

High Efficiency
TEFC Motor

Low Life Cycle Costs

Market Leading Energy Savings

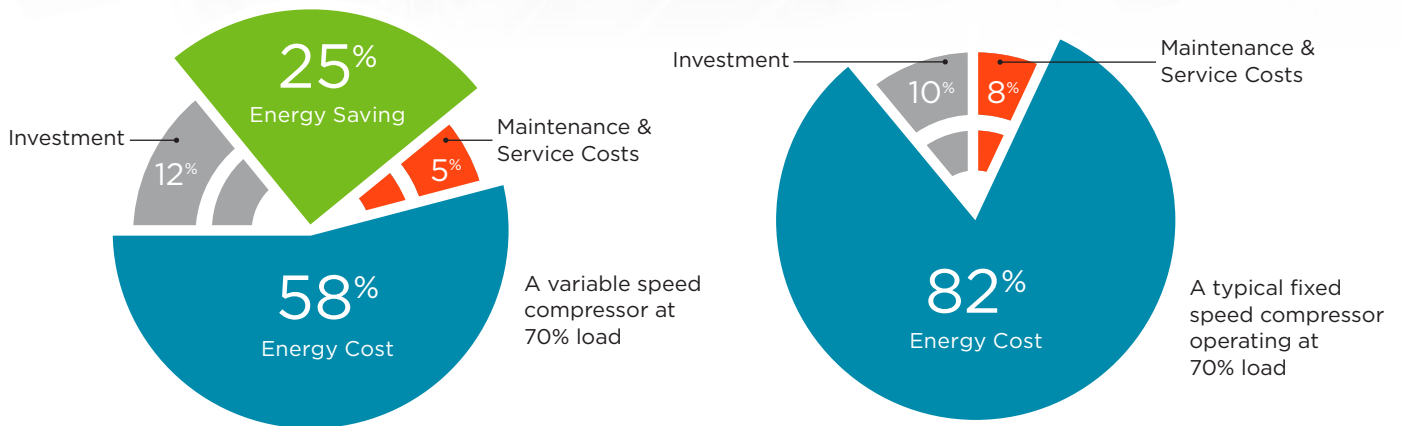
Lowest
kW/100
CFM

Minimal
Pressure
Drop

VALUE

Superior
Specific Power

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

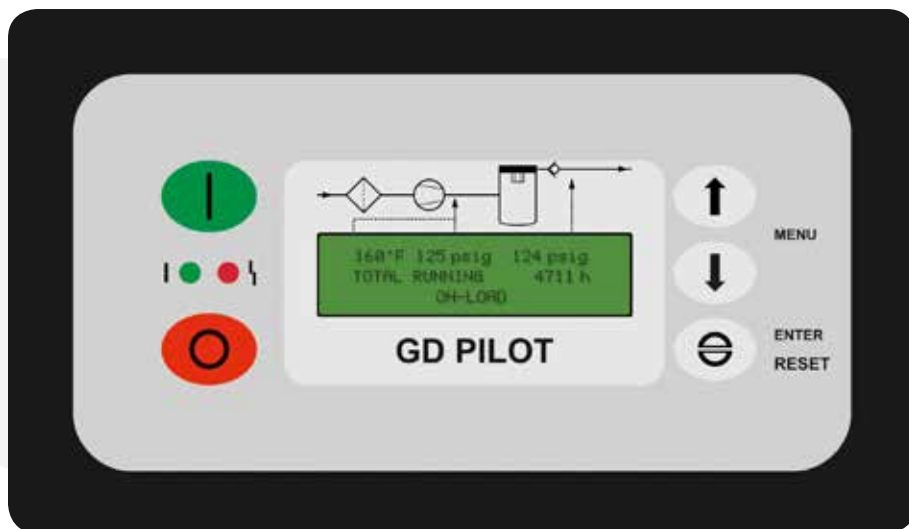
Gardner Denver completes its industry leading compressor packages with the state-of-the-art dual position GD Pilot controller. Featuring advanced software and an easy to use interface, the GD Pilot controller provides and displays an extensive amount of data on the operation of your compressor.



Built-In **Intelligent** Controls

GD Pilot Controller Features

- Real time clock
- Second pressure setting
- Discharge/line/network pressure data displayed
- Advanced fault history log
- Programmable inputs and outputs
- Auto restart after power failure
- RS485-Modbus RTU Standard



Best Warranty in the Industry

Experience Peace of Mind

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

Our standard warranty ensures that you have 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 the extensive network of Gardner Denver's 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 visit:
<http://gardnerdenverproducts.com>



Keeping the System Healthy

Factory-Specified Parts & Accessories

Each and every part that goes into a Gardner Denver 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?

Service Components

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

Replacement Parts

Gardner Denver 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.

Ensure 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 Gardner Denver lubricant formulated to meet your demands, head-on.



High Temperatures Semi-Synthetic
SYNTHETIC
Food Grade High Performance

Technical Data

L07RS-L22RS SCREW COMPRESSOR, 60 HZ

MODEL	NOMINAL PRESSURE		DRIVE MOTOR		FAD ¹		NOISE LEVEL ² DB(A) AT 70% LOAD	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	PSIG	BAR	HP	KW	CFM	M ³ /MIN		LBS	KG	
L07RS	100 125 190	6.9 8.6 13	10	7	45 39 29	1.27 1.10 0.82	63	489	222	27 x 25 x 41 (686 x 635 x 1041)
L11RS	100 125 190	6.9 8.6 13	15	11	64 59 45	1.81 1.67 1.27	64	509	231	27 x 25 x 41 (686 x 635 x 1041)
L15RS	100 125 190	6.9 8.6 13	20	15	92 85 59	2.61 2.41 1.67	67	805	365	31 x 28 x 47 (787 x 711 x 1194)
L18RS	100 125 190	6.9 8.6 13	25	18	108 96 78	3.06 2.72 2.21	68	840	381	31 x 28 x 47 (787 x 711 x 1194)
L22RS	100 125 190	6.9 8.6 13	30	22	125 116 94	3.54 3.29 2.66	69	851	386	31 x 28 x 47 (787 x 711 x 1194)

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

TOTAL SYSTEM

MODEL	DRYER MODEL	RECEIVER SIZE GAL. (LITERS)	REFRIGERANT	WEIGHT LBS (KG)		DIMENSIONS L x W x H IN. (MM)	
				80 GAL.	120 GAL.	80 GAL.	120 GAL.
L07RS	RNC50	80 & 120 (303 & 454)	R-134A	Less Dryer 859 (390) With Dryer 959 (435)	Less Dryer 942 (427) With Dryer 1032 (468)	Less Dryer 52 x 32 x 68 (1321 x 813 x 1727)	Less Dryer 73 x 32 x 68 (1854 x 813 x 1727)
L11RS	RNC75	80 & 120 (303 & 454)	R-134A	Less Dryer 879 (399) With Dryer 1130 (513)	Less Dryer 962 (436) With Dryer 1214 (551)	With Dryer 63 x 32 x 68 (1600 x 813 x 1727)	With Dryer 72 x 32 x 68 (1829 x 813 x 1727)
				120 GAL. ONLY		120 GAL. ONLY	
L15RS	RNC100 RES90	120 (454)	R-134A	Less Dryer 1260 (572)	With Dryer 1571 (713) With Dryer 1555 (705)	Less Dryer 73 x 32 x 74 (1854 x 813 x 1880)	
L18RS	RNC125 RES120	120 (454)	R-134A	Less Dryer 1295 (587)	With Dryer 1628 (738) With Dryer 1612 (731)	With Dryer 80 x 32 x 74 (2032 x 813 x 1880)	
L22RS	RNC150 RES140	120 (454)	R-134A	Less Dryer 1306 (592)	With Dryer 1645 (746) With Dryer 1629 (739)		

Technical Data

L07RS-L22RS SCREW COMPRESSOR, 50 HZ

MODEL	NOMINAL PRESSURE		DRIVE MOTOR		FAD ¹		NOISE LEVEL ² DB(A) AT 70% LOAD	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	PSIG	BAR	HP	KW	CFM	M ³ /MIN		LBS	KG	
L07RS	110 145 190	7.5 10 13	10	7	45 36 29	1.26 1.01 0.83	63	489	222	26 x 25 x 41 (667 x 630 x 1050)
L11RS	110 145 190	7.5 10 13	15	11	64 55 45	1.81 1.56 1.26	64	509	231	26 x 25 x 41 (667 x 630 x 1050)
L15RS	110 145 190	7.5 10 13	20	15	92 77 59	2.60 2.18 1.67	67	805	365	31 x 27 x 47 (787 x 698 x 1202)
L18RS	110 145 190	7.5 10 13	25	18	108 93 78	3.05 2.62 2.20	68	840	381	31 x 27 x 47 (787 x 698 x 1202)
L22RS	110 145 190	7.5 10 13	30	22	125 111 94	3.54 3.15 2.66	69	851	386	31 x 27 x 47 (787 x 698 x 1202)

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

TOTAL SYSTEM

MODEL	DRYER MODEL	RECEIVER SIZE GAL. (LITERS)	REFRIGERANT	WEIGHT LBS (KG)		DIMENSIONS L x W x H IN. (MM)	
				80 GAL.	120 GAL.	80 GAL.	120 GAL.
L07RS	RNC50	80 & 120 (303 & 454)	R-134A	Less Dryer 859 (390) With Dryer 959 (435)	Less Dryer 942 (427) With Dryer 1032 (468)	Less Dryer 52 x 32 x 68 (1321 x 813 x 1727)	Less Dryer 73 x 32 x 68 (1854 x 813 x 1727)
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				120 GAL. ONLY		120 GAL. ONLY	
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L22RS	RNC150 RES140	120 (454)	R-134A	Less Dryer 1306 (592)	With Dryer 1645 (746) With Dryer 1629 (739)		

The leader in every market we serve
by continuously improving all business processes
with a focus on innovation and velocity

Gardner Denver

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