

# Gardner Denver

L07RS-L290RS (7-290 KW)  
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.



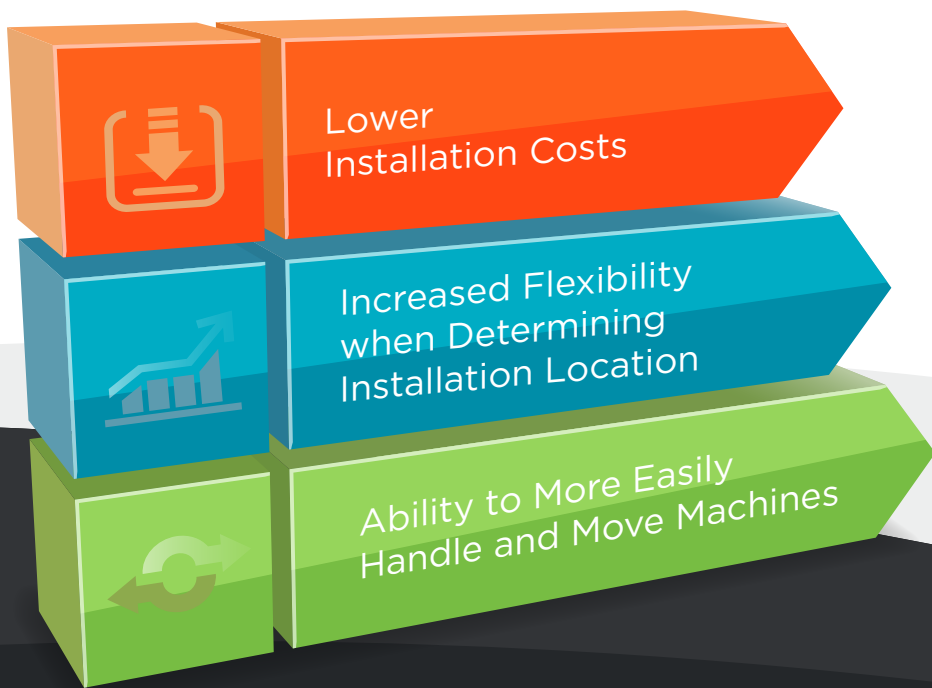
Expect More?  
Choose Gardner Denver





GARDNER  
DENVER—TAKING  
**QUIET**  
TO A WHOLE  
NEW LEVEL

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

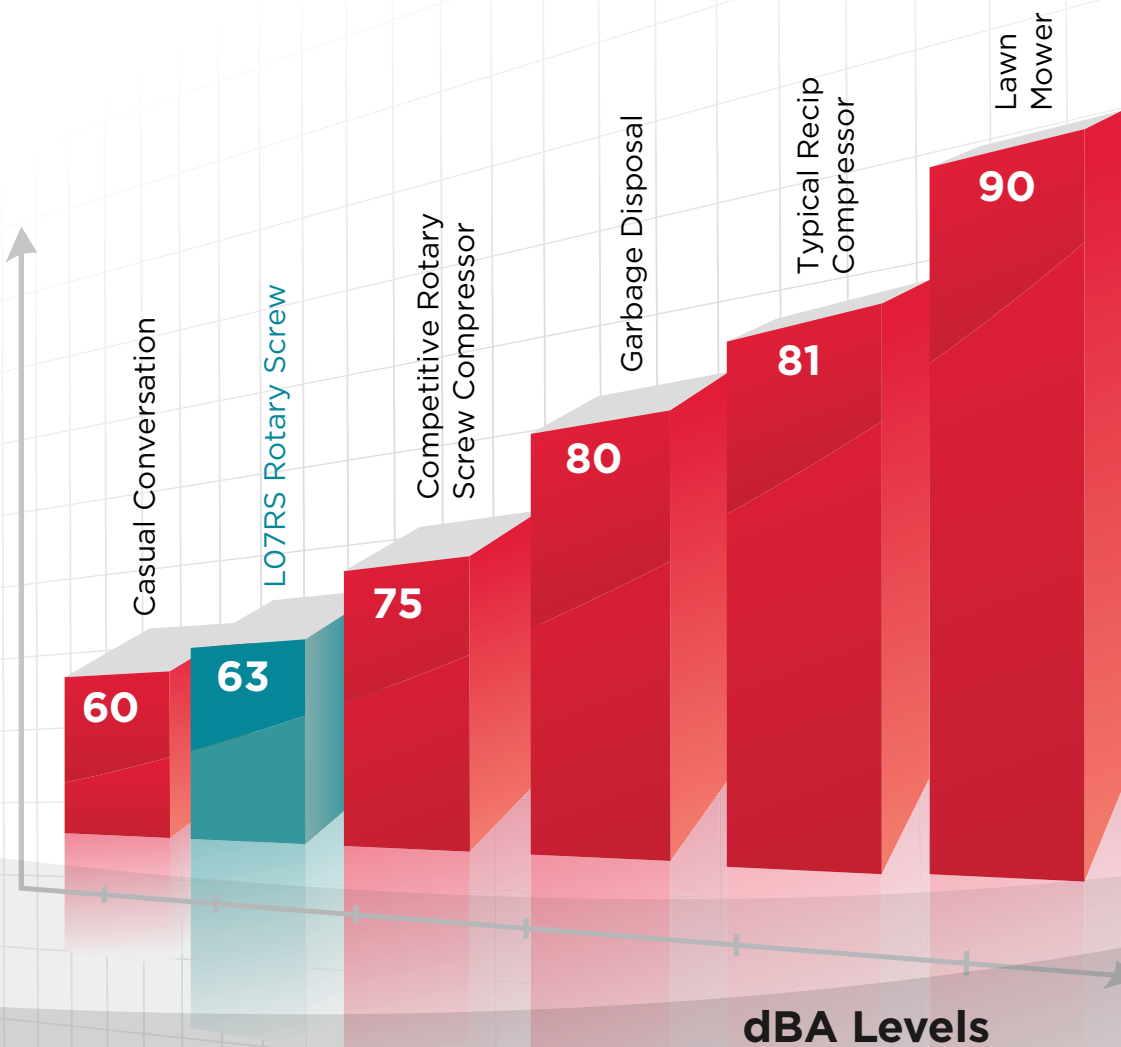


Small Footprint = Cost Savings

# Compact, Quiet Compressors

## 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.



# Reduce Energy. Maximize Efficiency. Save Money.

## Perfect Response to Your Individual Air Demand

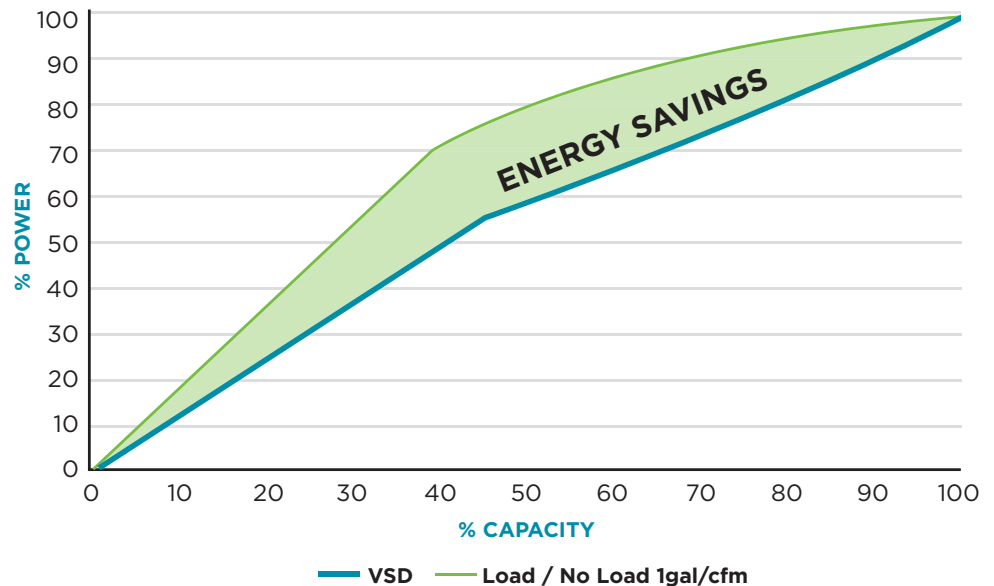
Variable speed compressors from Gardner Denver can efficiently and reliably handle the varying air demand. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

## 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

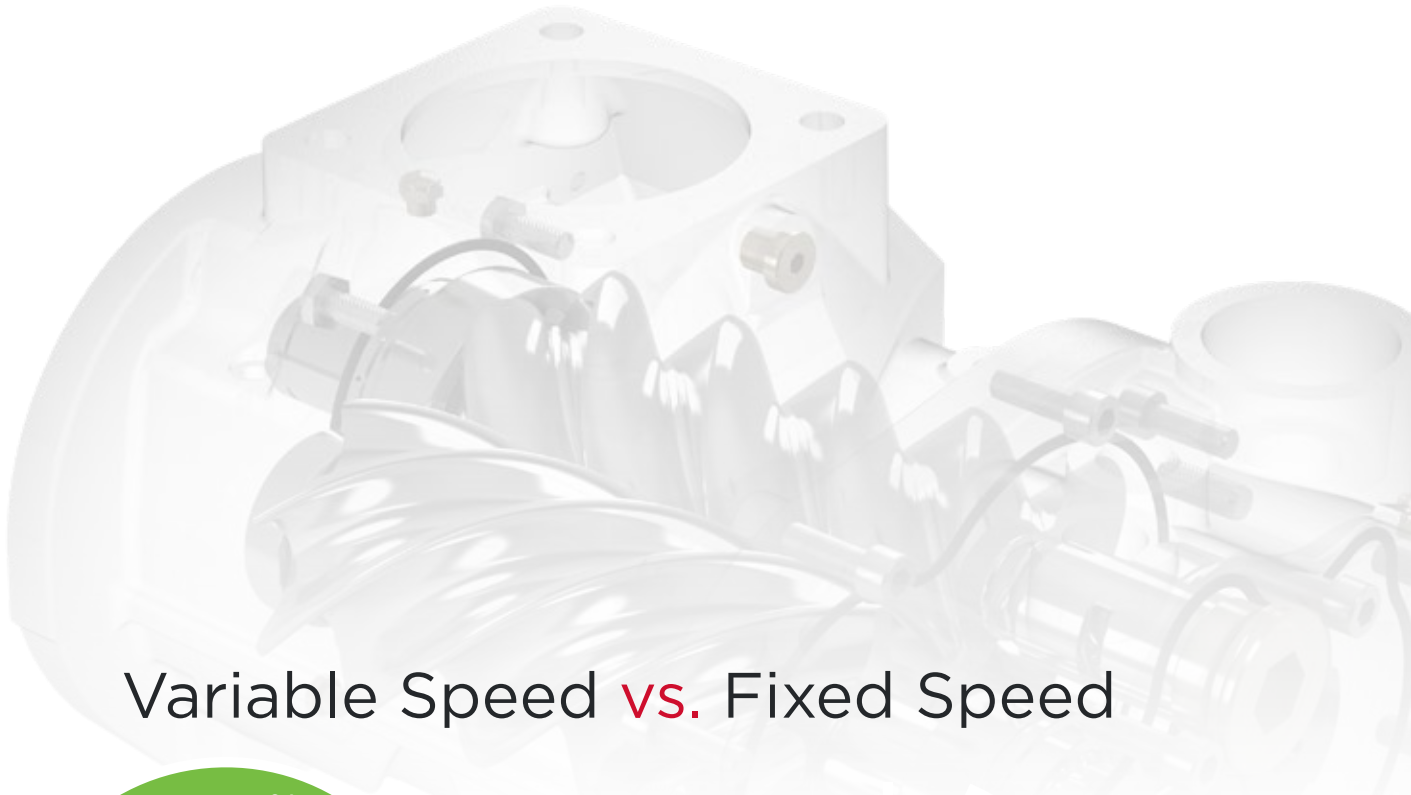
## Market Leading Energy Savings

Lowest  
kW/100  
CFM

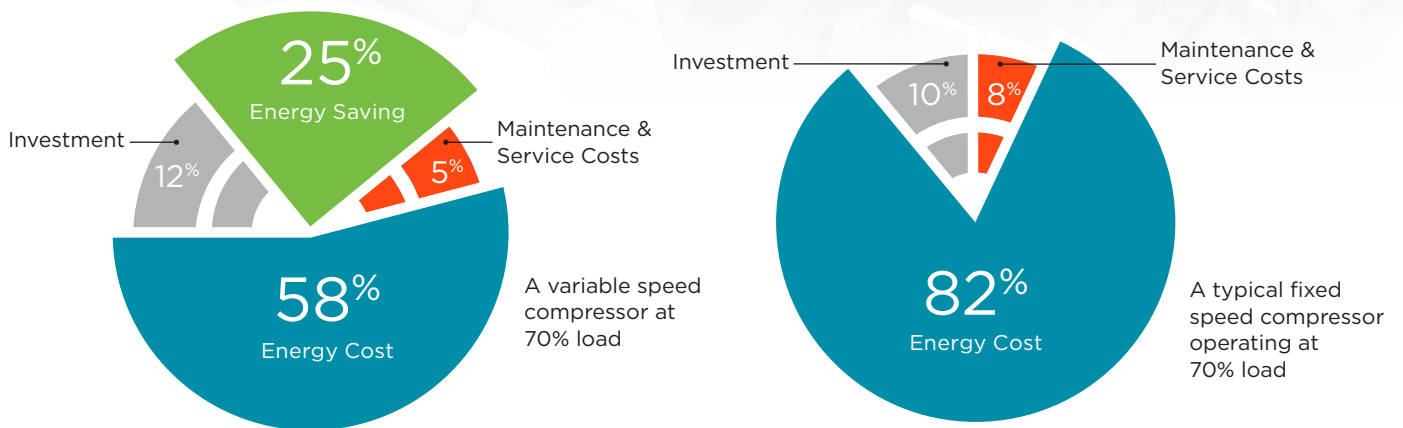
Minimal  
Pressure  
Drop

# 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

## State-of-the-Art

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.

## 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



## GD Pilot TS Controller Features

- Real time clock
- Second pressure setting
- Color touch screen
- Discharge/line/network pressure data displayed
- Advanced fault history log
- Programmable inputs and outputs
- Auto restart after power failure
- RS485-Modbus RTU standard
- SD card for data logging
- Optional baseload sequencing to control multiple machines



# Keeping the System Healthy



Ensure your  
compressed air  
system remains a  
total package

## Total System Protection

Since 1859, Gardner Denver has been supporting the compressed air industry with high quality, long-lasting compressor and air treatment solutions. Carrying on that legacy, our robust line of parts, lubricant and downstream accessories ensure your system stays healthy.

The focus on total system protection by Gardner Denver not only includes OEM parts and fluid solutions, but a commitment to the longevity of your equipment through our industry leading warranty programs.

Protect your investment.

# Sales & Service **Distributors** Across America

## An Extensive Network

By leveraging the extensive network of Gardner Denver factory-trained authorized local distributors, your sales, service, and technical support needs can be handled quickly and easily.



## Best **Warranty** in the Industry

### Experience Peace of Mind

The engineering philosophy of Gardner Denver 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 airtend warranty program. Simply stated, it's the best in the industry.



To find a distributor visit:  
[gardnerdenver.com/gdproducts](http://gardnerdenver.com/gdproducts)

# L07RS-L290RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		50 HZ				60 HZ							DIMENSIONS L × W × H IN. (MM)		
			NOMINAL PRESSURE		FAD <sup>1</sup>		NOMINAL PRESSURE		FAD <sup>1</sup>		NOISE LEVEL <sup>2</sup>	WEIGHT				
			PSIG	BAR	ACFM	M <sup>3</sup> /MIN	PSIG	BAR	ACFM	M <sup>3</sup> /MIN	DB(A) @ 70% LOAD	LBS	KG			
L07RS	10	7	100	7.0	44.5	1.26	110	7.0	42.9	1.22	63	489	222	27 × 25 × 41 (686 × 635 × 1041)		
			130	9.0	35.7	1.01	130	9.0	37.6	1.07						
			190	13.0	29.3	0.83	190	13.0	27.9	0.79						
L11RS	15	11	100	7.0	63.9	1.81	110	7.0	62.1	1.76	64	509	231			
			130	9.0	55.1	1.56	130	9.0	56.9	1.61						
			190	13.0	44.5	1.26	190	13.0	43.5	1.23						
L15RS	20	15	100	7.0	91.8	2.60	110	7.0	92.0	2.61	67	805	365			
			130	9.0	77.0	2.18	130	9.0	81.3	2.30						
			190	13.0	59.0	1.67	190	13.0	59.1	1.67						
L18RS	25	18	100	7.0	107.7	3.05	110	7.0	107.8	3.05	68	840	381			
			130	9.0	92.5	2.62	130	9.0	95.7	2.71						
			190	13.0	77.7	2.20	190	13.0	77.8	2.20						
L22RS	30	22	100	7.0	125.0	3.54	110	7.0	125.2	3.55	69	851	386			
			130	9.0	111.2	3.15	130	9.0	116.3	3.29						
			190	13.0	93.9	2.66	190	13.0	94.0	2.66						
L23RS	30	22	110	7.5	145.4	4.12	100	7.0	145.5	4.12	68	1501	681			
			145	10.0	132.0	3.74	130	9.0	123.5	3.50						
			190	13.0	102.0	2.89	190	13.0	102.1	2.89						
L26RS	35	26	110	7.5	169.1	4.79	100	7.0	168.9	4.78	70	1561	708			53 × 35 × 64 (1346 × 889 × 1626)
			145	10.0	153.9	4.36	130	9.0	144.9	4.10						
			190	13.0	125.7	3.56	190	13.0	125.7	3.56						
L29RS	40	30	110	7.5	191.0	5.42	100	7.0	190.9	5.41	70	1570	712			
			145	10.0	171.6	4.86	130	9.0	159.0	4.50						
			190	13.0	134.8	3.82	190	13.0	134.9	3.82						
L30RS	40	30	100	6.9	194.2	5.50	110	6.9	193.9	5.49	68	2039	925			
			125	8.6	179.0	5.07	125	8.6	182.5	5.17						
			145	10.0	169.8	4.81	145	13.0	170	4.82						
L37RS	50	37	100	6.9	238.3	6.75	110	6.9	238	6.74	69	2099	952		68 × 36 × 65 (1727 × 914 × 1651)	
			125	8.6	221.0	6.26	125	8.6	224.6	6.36						
			190	13.0	182.5	5.17	190	13.0	182.5	5.17						
L45RS	60	45	100	6.9	277.5	7.86	110	6.9	277.0	7.85	71	2147	974			
			125	8.6	258.0	7.31	125	8.6	262.3	7.43						
			190	13.0	216.0	6.12	190	13.0	216.3	6.13						
L55RS	75	55	100	6.9	361.5	10.24	100	7.0	361.6	10.24	69	3805	1726			
			125	8.6	335.4	9.50	130	9.0	341.1	9.66						
			145	10.0	318.4	9.02	145	10.0	318.6	9.03						
L75RS	100	75	100	6.9	469.8	13.31	100	7.0	470.0	13.31	72	3968	1780			
			125	8.6	429.6	12.17	130	9.0	436.6	12.37						
			190	13.0	362.2	10.26	190	13.0	362.5	10.27						
L90RS	125	90	100	6.9	612.8	17.36	100	7.0	622.7	17.64	72	6102	2768			
			125	8.6	571.5	16.19	130	9.0	583.1	16.52						
			190	13.0	450.4	12.76	190	13.0	450.5	12.76						
L110RS	150	110	100	6.9	731.1	20.71	100	7.0	731.3	20.72	72	6107	2770			92 × 54 × 80 (2337 × 1372 × 2032)
			125	8.6	679.2	19.24	130	9.0	690.7	19.57						
			190	13.0	551.4	15.62	190	13.0	551.6	15.63						
L132RS	180	132	100	6.9	802.4	22.73	100	7.0	802.8	22.74	75	6142	2786			
			125	8.6	747.7	21.18	130	9.0	760.1	21.53						
			190	13.0	609.3	17.26	190	13.0	609.4	17.26						
L160RS	215	160	100	6.9	1127.1	31.93	100	7.0	1105.4	31.30	76	9652	4378			
			125	8.6	1036.1	29.35	130	9.0	1035.3	29.32						
			190	13.0	844.7	23.93	190	13.0	828.5	23.46						
L200RS	270	200	100	6.9	1380.9	39.12	100	7.0	1354.5	38.36	78	10082	4573		115 × 82 × 86 (2921 × 2083 × 2184)	
			125	8.6	1292.3	36.61	130	9.0	1286.2	36.42						
			190	13.0	1061.8	30.08	190	13.0	1041.5	29.49						
L250RS	335	250	100	6.9	1498.5	42.45	100	7.0	1462.7	41.42	79	10293	4669			
			125	8.6	1399.3	39.64	130	9.0	1387.1	39.28						
			190	13.0	1155.4	32.73	190	13.0	1127.6	31.93						
L290RS	400	290	100	6.9	1643.9	46.57	100	7.0	1604.6	45.44	81	10326	4684			
			125	8.6	1542.6	43.70	130	9.0	1527.4	43.25						
			190	13.0	1268.3	35.93	190	13.0	1238.0	35.06						

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 +/- 3dB

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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