

**CHAMPION<sup>®</sup>**

L07RS-L29RS (7-30 KW)  
VARIABLE-SPEED ROTARY SCREW COMPRESSORS

# LRS-Series



# Advanced Technology Inspired Simplicity

## A Better Approach

Champion 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

Champion 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 Champion

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





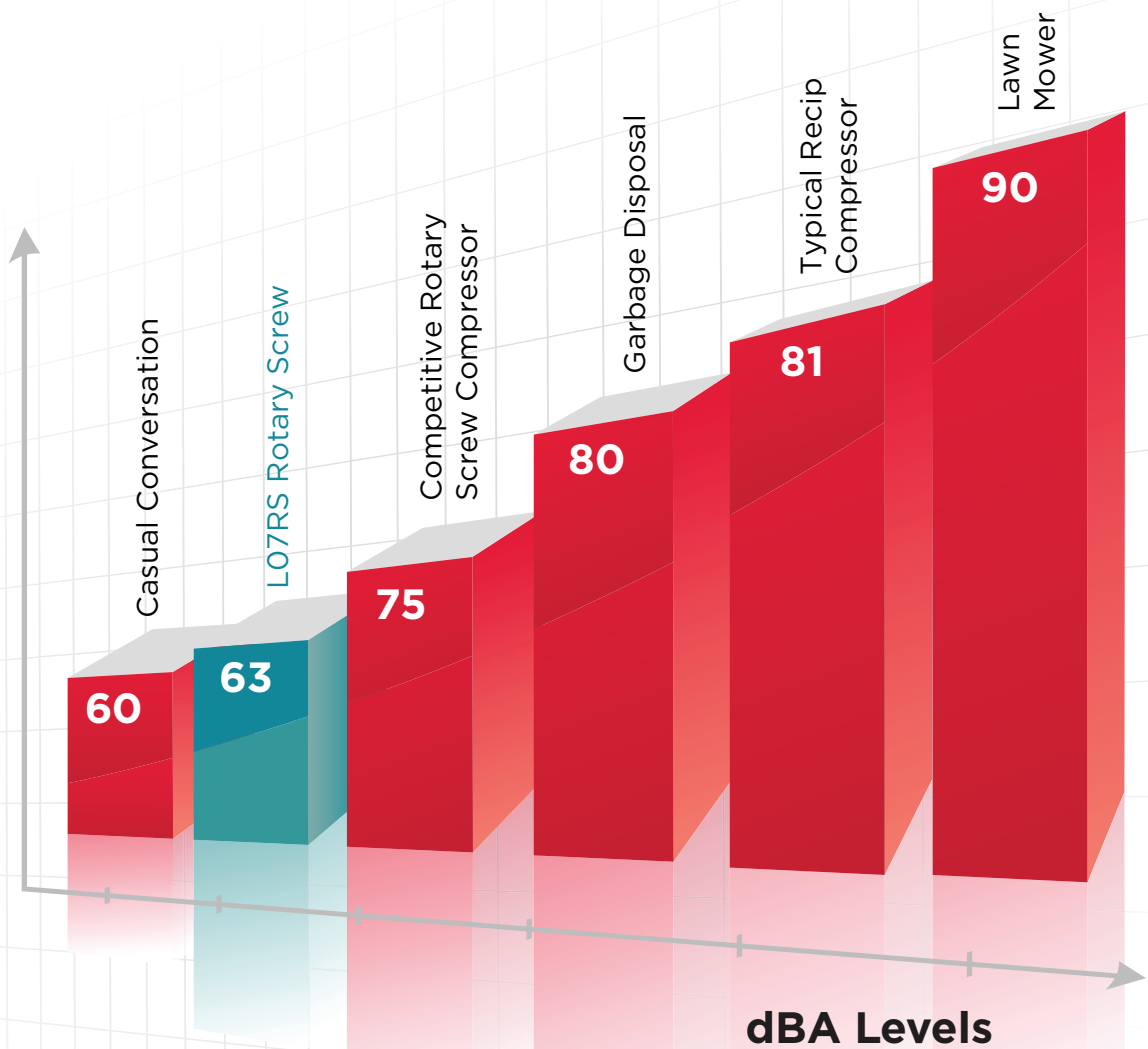
Champion — Taking Quiet  
to a **Whole New Level**



# Compact, Quiet Compressors

## Nearly Silent Noise Levels

The Champion 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

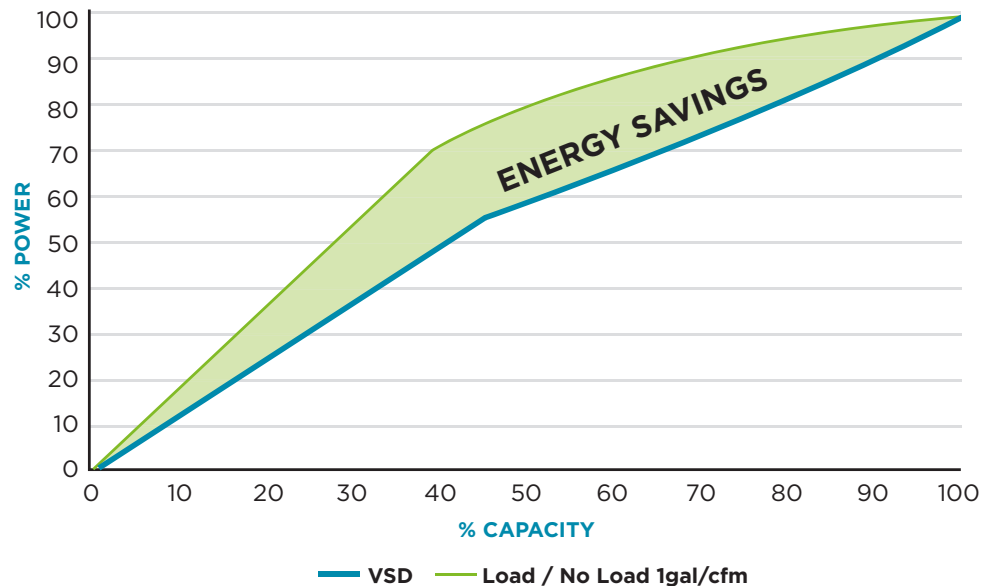
Variable speed compressors from Champion can efficiently and reliably handle the varying air demand. The right variable speed compressor in the right application delivers significant energy savings and a stable air supply at constant pressure.

## 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

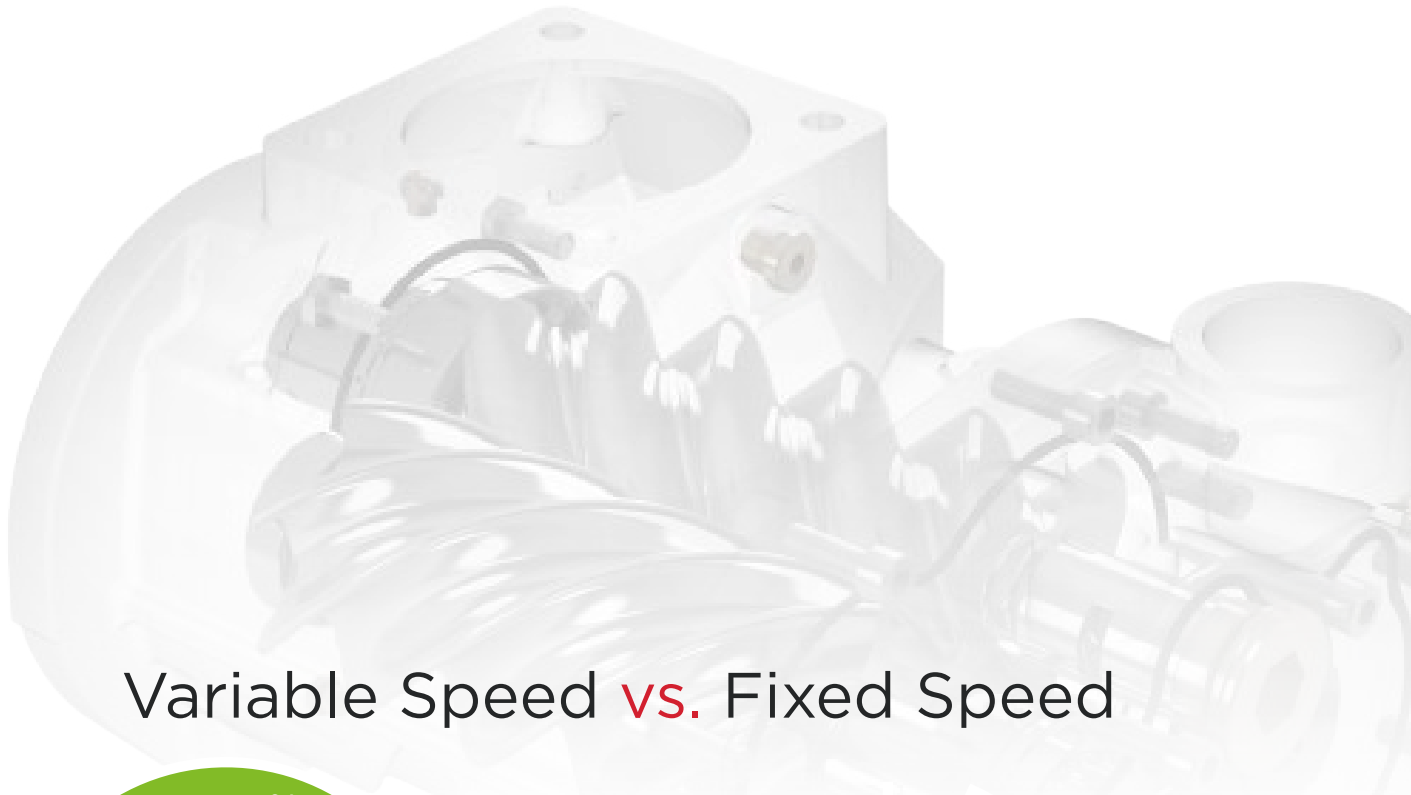
## Market Leading Energy Savings

Lowest  
kW/100  
CFM

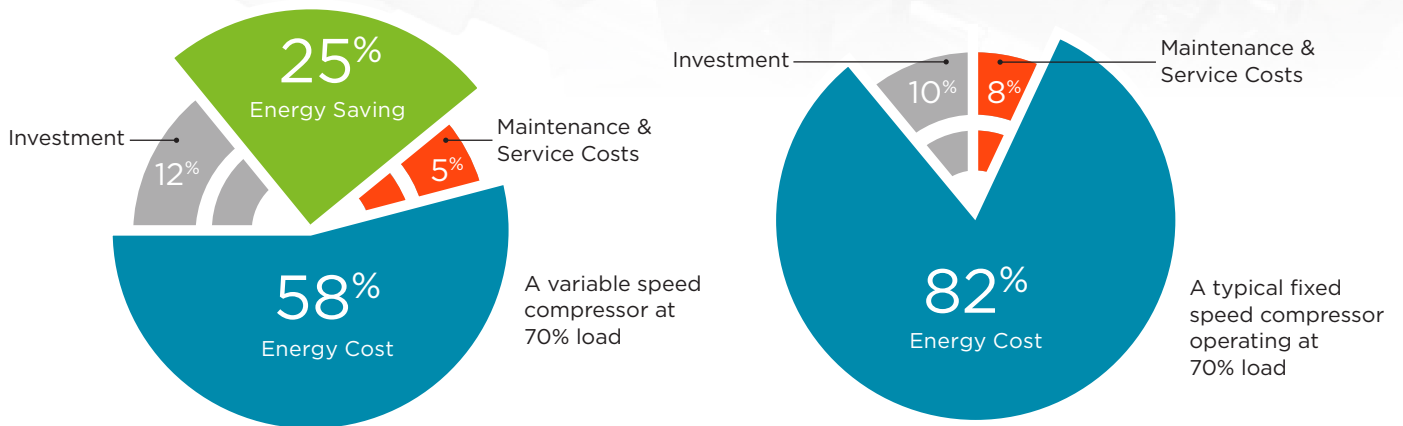
Minimal  
Pressure  
Drop

# 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

Champion completes its industry leading compressor packages with the state-of-the-art dual position Pilot controller and the full color Governor™ touchscreen controller. Featuring advanced software and an easy to use interface, the Pilot controller provides and displays an extensive amount of data on the operation of your compressor. The cutting edge graphics on the Governor™ provide necessary compressor data and full color schematics in seconds.

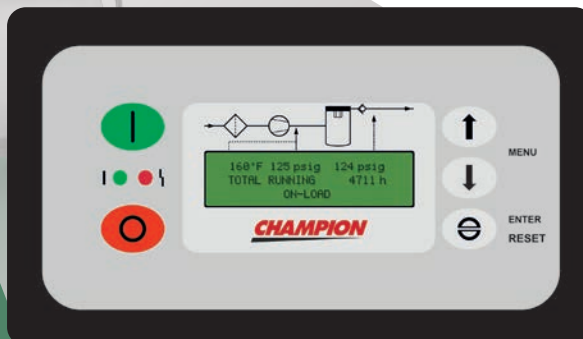


## Governor™ Touchscreen Controller Features

- Available on L23RS-L29RS compressor models
- User-friendly navigation with state-of-the-art graphics and design
- Machine status available on a 4.3-inch display
- Detailed schematics at your fingertips
- Advanced machine diagnostics
- Data logging and iConn connection
- Web server to allow access to the Governor™ from your desktop

## Pilot Controller Features

- Available on L07RS-L11RS compressor models
- 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





# Keeping the System Healthy

## Total System Protection

For decades Champion 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 Champion 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.



Ensure your  
compressed air  
system remains a  
total package

# Sales & Service **Distributors** Across America

## **An Extensive Network**

Your sales, service and technical support needs will be handled quickly and easily by our extensive network of Champion factory-trained, authorized local distributors. Maintaining and adequately servicing your compressor has never been easier.

To find a distributor visit:  
[www.championpneumatic.com](http://www.championpneumatic.com)



## L07RS-L29RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		50 HZ				60 HZ							DIMENSIONS L x W x H  IN. (MM)
	HP	KW	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	
			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				
L23RS	30	22	100	7.0	145.8	4.13	110	7.5	145.5	4.12	68	1501	681	
			130	9.0	132.1	3.74	145	10.0	123.5	3.50				
			190	13.0	102.1	2.89	190	13.0	102.1	2.89				
L26RS	35	26	100	7.0	169.2	4.79	110	7.5	168.9	4.78	70	1561	708	
			130	9.0	154.0	4.36	145	10.0	144.9	4.10				
			190	13.0	125.7	3.56	190	13.0	125.7	3.56				
L29RS	40	30	100	7.0	191.4	5.42	110	7.5	190.9	5.41	70	1570	712	
			130	9.0	171.6	4.86	145	10.0	159.0	4.50				
			190	13.0	134.9	3.82	190	13.0	134.9	3.82				

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

Over **1,100** Champion distributors ready to provide solutions to all your compressed air needs



We're Where You Need Us

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

**CHAMPION**<sup>®</sup>

1301 North Euclid Avenue  
Princeton, IL 61356  
[www.ChampionPneumatic.com](http://www.ChampionPneumatic.com)



©2024 Industrial Technologies and Services, LLC  
Printed in U.S.A.  
CS-L07RS-L29RS 6th Ed. 5/24