



90-132 KW VARIABLE SPEED ROTARY SCREW COMPRESSORS

## LRS-Series

### Advanced Technology. Inspired Simplicity.

LRS-Series compressors from Gardner Denver feature more than just the latest compressor technology. They contain the cleanest, simplest, most intuitive machine layouts on the market. Equipped with standard TEFC main motors, robust and high performing Allen Bradley inverter drives, GD Pilot TS™ microprocessor controllers and quiet enclosures, an LRS-Series unit from Gardner Denver is the optimal solution when a feature-rich, simple-to-operate compressor is required.

### First Class Serviceability

The LRS-Series units set a new standard in serviceability. By utilizing integrated airend design techniques, Gardner Denver delivers unprecedented access to service and routine maintenance items. At the same time, the compact design eliminates unneeded connections and minimizes piping; reducing the opportunity for leaks. Couple these features with an intuitive touch screen controller with optional data logging and sequencing capabilities and you have a world class compressor package.

**Gardner**  

---

**Denver**

# L90RS-L132RS ROTARY SCREW COMPRESSOR, 60 HZ

MODEL	DRIVE MOTOR		50 Hz				60 Hz				NOISE LEVEL <sup>2</sup>	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	HP	KW	NOMINAL PRESSURE		FAD <sup>1</sup>		NOMINAL PRESSURE		FAD <sup>1</sup>			LBS	KG	
			PSIG	BAR	ACFM	M <sup>3</sup> /MIN	PSIG	BAR	ACFM	M <sup>3</sup> /MIN	DB(A) @ 70% LOAD			
L90RS	125	90	100	7.0	612.8	17.36	100	6.9	622.7	17.64	72	6102	2768	92 x 54 x 80 (2337 x 1372 x 2032)
			130	9.0	571.5	16.19	125	8.6	583.1	16.52				
			190	13.0	450.4	12.76	190	13.0	450.5	12.76				
L110RS	150	110	100	7.0	731.1	20.71	100	6.9	731.3	20.72	72	6107	2770	
			130	9.0	679.2	19.24	125	8.6	690.7	19.57				
			190	13.0	551.4	15.62	190	13.0	551.6	15.63				
L132RS	180	132	100	7.0	802.4	22.73	100	6.9	802.8	22.74	75	6142	2786	
			130	9.0	747.7	21.18	125	8.6	760.1	21.53				
			190	13.0	609.3	17.26	190	13.0	609.4	17.26				

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

## LRS-Series Features (90-132 kW)

- Direct drive, oil flooded, single stage rotary screw air compressor
- AEON 9000SP lubricant
- Air-cooled standard
- Air supply piping includes hard pipe design with Viton Victaulic couplings
- Allen Bradley inverter drive
- CRN and ASME rated aftercooler
- CSA labeled and approved electrical controls and wiring
- cUL labeled electronics (including C-UL-US open industrial control panel)
- EMC filter and DC bus choke
- GD Pilot TS™ microprocessor controller
- Integrated spin-on oil filter
- Integrated thermostatic thermal mixing valve
- IP54 electrical enclosure
- Moisture separator (shipped loose)
- Optional Base Load Selector sequencing
- Optional line reactor (shipped loose)
- Optional potential free contacts kit
- Optional Profibus interface module
- Optional water cooling
- Quiet enclosure
- SD card for data logging
- Second pressure band control for lead/lag operation
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 460V (3 phase only)

# Gardner Denver®

**Gardner Denver, Inc.**

1800 Gardner Expressway  
Quincy, IL 62305  
866-440-6241

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



©2016 Gardner Denver, Inc. Printed in U.S.A.  
GSCS-L90RS-L132RS 1st Ed. 2/16

Please recycle after use.