



160-290KW 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 WEG 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**  

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**Denver**

# L160RS-L290RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		50 Hz				60 Hz				NOISE LEVEL <sup>2</sup> DB(A) @ 70% LOAD	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				
L160RS	215	160	100	7.0	1127.1	31.93	100	6.9	1105.4	31.30	76	9652	4378	
			130	9.0	1036.1	29.35	125	8.6	1035.3	29.32				
			190	13.0	844.7	23.93	190	13.0	828.5	23.46				
L200RS	270	200	100	7.0	1380.9	39.12	100	6.9	1354.5	38.36	78	10082	4573	
			130	9.0	1292.3	36.61	125	8.6	1286.2	36.42				
			190	13.0	1061.8	30.08	190	13.0	1041.5	29.49				
L250RS	335	250	100	7.0	1498.5	42.45	100	6.9	1462.7	41.42	79	10293	4669	
			130	9.0	1399.3	39.64	125	8.6	1387.1	39.28				
			190	13.0	1155.4	32.73	190	13.0	1127.6	31.93				
L290RS	400	290	100	7.0	1643.9	46.57	100	6.9	1604.6	45.44	81	10326	4684	
			130	9.0	1542.6	43.70	125	8.6	1527.4	43.25				
			190	13.0	1268.3	35.93	190	13.0	1238.0	35.06				

115 x 82 x 86  
(2921 x 2083 x 2184)

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 (160-290 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
- WEG 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 filters
- Integrated thermostatic thermal mixing valve
- IP54 electrical enclosure
- Moisture separator (shipped loose)
- SD card for data logging
- Optional Base Load Selector sequencing
- Optional line reactor (shipped loose)
- Optional potential free contacts kit
- Optional Profibus interface module
- Quiet enclosure
- Second pressure band control for lead/lag operation
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 460V

# Gardner Denver®

**Gardner Denver, Inc.**

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GSCS-L160RS-L290RS 2nd Ed. 5/16

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