



15-22 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 Yaskawa inverter drives, GD Governor™ 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 items such as; a high efficiency air filter, air/oil separator and oil filter. At the same time, the compact design eliminates unneeded connections and minimizes piping; reducing the opportunity for leaks. Couple these features with standard automatic belt tensioning and you have a world class small horsepower compressor package.

### Configuration Flexibility

LRS-Series compressors are available in base mount or AirStation™ configurations. The plug-and-play AirStation™ configuration is an LRS-Series compressor mounted on a horizontal receiver tank with or without a refrigerated air dryer. Featuring high-end components such as a three-way bypass valve, stainless steel piping, integrated fork lift slots and an optional electric tank drain, the LRS-Series AirStation™ is the ideal solution for a compressed air system that requires minimal installation time and cost.

**Gardner**  
**Denver**®

## L15RS-L22RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		60 Hz				NOISE LEVEL <sup>2</sup>	WEIGHT <sup>3</sup>		DIMENSIONS L x W x H
			NOMINAL PRESSURE		FAD <sup>1</sup>					
	HP	KW	PSIG	BAR	ACFM	M <sup>3</sup> /MIN	DB(A)	LBS	KG	IN. (MM)
L15RS	20	15	110	7.6	88.3	2.50	74	945	429	32 x 35 x 50 (881 x 820 x 1274)
			130	9.0	79.7	2.26				
			190	13.1	59.2	1.68				
L18RS	25	18	110	7.6	106.4	3.01	74	945	429	32 x 35 x 50 (881 x 820 x 1274)
			130	9.0	95.0	2.69				
			190	13.1	77.5	2.20				
L22RS	30	22	110	7.6	124.6	3.53	74	945	429	32 x 35 x 50 (881 x 820 x 1274)
			130	9.0	116.0	3.29				
			190	13.1	90.7	2.57				

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

3) Weights are for air-cooled models.

## AIR STATION SPECIFICATIONS, 60 HZ

MODEL	DRYER MODEL	RECEIVER SIZE GAL. (LITERS)	REFRIGERANT	WEIGHT LBS (KG)	DIMENSIONS L x W x H IN. (MM)
				120 GAL	120 GAL
L15RS L18RS L22RS	XGNC	120, 240 (454, 908)	R513A	less dryer 1417 (643) with dryer 1821 (826)	less dryer 75 x 35 x 76 (1905 x 889 x 1938) with dryer 75 x 35 x 76 (1905 x 889 x 1938)

Dryer on AirStation™ package has separate electrical connection and voltage.

## LRS-Series Features (15-22 kW)

- Belt drive, oil flooded, single stage rotary screw air compressor
- AEON 4000 lubricant
- Air-cooled only
- Robust inverter drive
- Optional automatic zero-loss condensate drain (with receiver tank selection)
- CRN and ASME rated aftercooler
- DC bus choke
- GD Governor™ microprocessor controller
- Integrated thermostatic thermal mixing valve
- Integrated spin-on oil filter, spin-on air/oil separator and two-stage air filter
- IP54 electrical enclosure
- Moisture separator (shipped loose)
- Optional ASME receiver tank (120, 240 gallons)
- Optional line reactor (shipped loose)
- Optional mounted non-cycling refrigerated dryer (with receiver tank selection)
- Optional sequencing kit
- Quiet enclosure
- Standard manual tank drain (with receiver tank)
- TEFC main motor
- Second pressure band control for lead/lag operation
- Stainless steel piping (with receiver tank and mounted dryer)
- UL labeled electronics (including C-UL-US open industrial control panel)
- Voltage: 200 / 230 / 400 / 460 / 575V

**Gardner  
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