



7-22 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 Allen Bradley inverter drives, GD Pilot™ 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 standard high-end components such as a three-way bypass valve, stainless steel piping, integrated fork lift slots and an automatic tank drain, the LRS-Series AirStation™ is the ideal solution for a compressed air system that requires minimal installation time and cost.

Gardner
Denver

L07RS-L22RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR HP KW		50 Hz				60 Hz							DIMENSIONS L x W x H IN. (MM)
			NOMINAL PRESSURE		FAD ¹		NOMINAL PRESSURE		FAD ¹		NOISE LEVEL ²	WEIGHT		
			PSIG	BAR	ACFM	M ³ /MIN	PSIG	BAR	ACFM	M ³ /MIN	DB(A) @ 70% LOAD	LBS	KG	
L07RS	10	7	100	7.0	44.5	1.26	110	7.5	44.7	1.27	63	489	222	27 x 25 x 41 (686 x 635 x 1041)
			130	9.0	35.7	1.01	145	10.0	30.0	0.85				
			190	13.0	29.3	0.83	190	13.0	29.2	0.83				
L11RS	15	11	100	7.0	63.9	1.81	110	7.5	63.8	1.81	64	509	231	
			130	9.0	55.1	1.56	145	10.0	45.6	1.29				
			190	13.0	44.5	1.26	190	13.0	44.7	1.27				
L15RS	20	15	100	7.0	91.8	2.6	110	7.5	92.0	2.61	67	805	365	
			130	9.0	77.0	2.18	145	10.0	61.7	1.75				
			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	7.5	107.8	3.05	68	840	381	31 x 28 x 47 (787 x 711 x 1194)
			130	9.0	92.5	2.62	145	10.0	80.7	2.29				
			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	7.5	125.2	3.55	69	851	386	
			130	9.0	111.2	3.15	145	10.0	96.9	2.75				
			190	13.0	93.9	2.66	190	13.0	94.0	2.66				

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

AIR STATION SPECIFICATIONS, 60 HZ

MODEL	DRYER MODEL	RECEIVER SIZE GAL. (LITERS)	REFRIGERANT	WEIGHT LBS (KG)		DIMENSIONS L x W x H IN. (MM)	
				80 GAL	120 GAL	80 GAL	120 GAL
				L07RS	RNC50	80, 120 (303, 454)	R134A
L11RS	RNC75	Less Dryer 879 (399) With Dryer 1130 (513)	Less Dryer 962 (436) With Dryer 1214 (551)	With Dryer 63 x 32 x 68 (1600 x 813 x 1727)	With Dryer 72 x 32 x 68 (1829 x 813 x 1727)		
120 GAL ONLY							
L15RS	RNC100 RES90	120 (454)	R134A	Less Dryer 1260 (572)	With RNC Dryer 1571 (713) With RES Dryer 1555 (705)	Less Dryer 73 x 32 x 74 (1854 x 813 x 1880) With Dryer 80 x 32 x 74 (2032 x 813 x 1880)	
L18RS	RNC125 RES120			Less Dryer 1295 (587)	With RNC Dryer 1628 (738) With RES Dryer 1612 (731)		
L22RS	RNC150 RES140			Less Dryer 1306 (592)	With RNC Dryer 1645 (746) With RES Dryer 1629 (739)		

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

LRS-Series Features (7-22 kW)

- Belt drive, oil flooded, single stage rotary screw air compressor
- AEON 4000 lubricant
- Air-cooled only
- Allen Bradley inverter drive
- Automatic zero-loss condensate drain (with receiver tank selection)
- CRN and ASME rated aftercooler
- CSA labeled and approved electrical controls and wiring
- EMC filter and DC bus choke
- GD Pilot™ 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 (80, 120 gallons)
- Optional cold coalescing filter (with mounted dryer)
- Optional line reactor (shipped loose)
- Optional mounted cycling or non-cycling refrigerated dryer (with receiver tank selection)
- Quiet enclosure
- TEFC main motor
- Three-way bypass valve (with receiver tank and mounted dryer)
- Second pressure band control for lead/lag operation
- Stainless steel piping (with receiver tank and mounted dryer)
- cUL labeled electronics (including C-UL-US open industrial control panel)
- Voltage: 460V (3 phase only)

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