



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 Eaton inverter drives, 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 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

MODEL	DRIVE MOTOR		50 Hz				60 Hz				NOISE LEVEL ²	WEIGHT ³		DIMENSIONS L × W × H		
	HP	KW	NOMINAL PRESSURE		FAD		NOMINAL PRESSURE		FAD ¹			DB(A)	LBS		KG	IN. (MM)
			PSIG	BAR	ACFM	M ³ /MIN	PSIG	BAR	ACFM	M ³ /MIN						
L90RS	125	90	100	6.9	612.8	17.36	100	7.6	627.3	17.76	77	6102	2768			
			125	8.6	571.5	16.19	130	9.0	593.0	16.79						
			190	13.1	450.4	12.76	190	13.1	464.8	13.26						
L110RS	150	110	100	6.9	731.1	20.71	100	7.6	742.7	21.03	77	6107	2770	92 × 54 × 80.3 (2337 × 1372 × 2039)		
			125	8.6	679.2	19.24	130	9.0	704.6	19.95						
			190	13.1	551.4	15.62	190	13.1	581.5	16.46						
L132RS	180	132	100	6.9	802.4	22.73	100	7.6	819.7	23.21	78	6142	2786			
			125	8.6	747.7	21.18	130	9.0	781.4	22.13						
			190	13.1	609.3	17.26	190	13.1	642.4	18.19						

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) Noise levels are for air-cooled models, and measured in free field conditions in accordance with ISO 2151, tolerance +/- 3 dB.

3) Weights are for air-cooled models.

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
- Eaton inverter drive
- CRN and ASME rated aftercooler
- Electrical components UL listed for the US and Canada, including C-UL-US listed open control panel
- EMC filter and DC bus choke
- Governor™ microprocessor controller
- Integrated spin-on oil filter
- Integrated thermostatic thermal mixing valve
- Type 1 electrical enclosure
- Moisture separator (shipped loose)
- Multi-compressor sequencing
- Optional line reactor (shipped loose)
- Optional water cooling
- Quiet enclosure
- Built-in data logging
- Second pressure band control for lead/lag operation
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 460V/575V (3 phase only)



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GSCS-L90RS-L132RS 3rd Ed. 12/21

