



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 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

L160RS-L290RS ROTARY SCREW COMPRESSORS

MODEL	DRIVE MOTOR		50 Hz				60 Hz				NOISE LEVEL ²	WEIGHT		DIMENSIONS L x W x H IN. (MM)
	HP	KW	NOMINAL PRESSURE		FAD ¹		NOMINAL PRESSURE		FAD ¹			LBS	KG	
			PSIG	BAR	ACFM	M ³ /MIN	PSIG	BAR	ACFM	M ³ /MIN	DB(A) @ 70% LOAD			
L160RS	215	160	100	6.9	1116.5	31.62	100	6.9	1119.2	31.69	76	9652	4378	
			125	8.6	1045.7	29.61	125	8.6	1049.8	29.73				
			190	13.1	836.8	23.70	190	13.1	819.7	23.21				
L200RS	270	200	100	6.9	1368.0	38.74	100	6.9	1365.2	38.66	78	10082	4573	
			125	8.6	1299.1	36.79	125	8.6	1291.3	36.57				
			190	13.1	1051.9	29.79	190	13.1	1027.3	29.09				
L250RS	340	250	100	6.9	1477.3	41.83	100	6.9	1466.0	41.51	79	10293	4669	
			125	8.6	1401.0	39.67	125	8.6	1369.8	38.79				
			190	13.1	1138.9	32.25	190	13.1	1091.6	30.91				
L290RS	390	290	100	6.9	1620.7	45.89	100	6.9	1605.6	45.47	81	10326	4684	
			125	8.6	1542.6	43.68	125	8.6	1504.0	42.59				
			190	13.1	1250.4	35.41	190	13.1	1201.0	34.01				

115 x 82 x 86
(2907 x 2071 x 2193)

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) Performance data listed is for air cooled packages. Refer to EDS for water cooled data

LRS-Series Features (160-290 kW)

- Direct drive, oil flooded, single stage rotary screw air compressor
- AEON 9000SP lubricant
- Air-cooled standard
- Optional water cooling available
- 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
- Optional line reactor (shipped loose)
- Governor™ microprocessor controller with touchscreen
- Integrated spin-on oil filters
- Integrated thermostatic thermal mixing valve
- Type 1 electrical enclosure
- Optional moisture separator (shipped loose)
- Built-in data logging
- Multi-compressor sequencing option
- Quiet enclosure
- Second pressure band control for lead/lag operation
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage:
 - 460V/575V 60 Hz
 - 400V 50 Hz



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