

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.



L160RS-L290RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		50 Hz				60 Hz							
			NOMINAL PRESSURE		FAD¹		NOMINAL PRESSURE		FAD¹		NOISE LEVEL ² WEIG		IGHT	DIMENSIONS
	HP	KW	PSIG	BAR	ACFM	M³/MIN	PSIG	BAR	ACFM	M³/MIN	DB(A) @ 70% LOAD	LBS	KG	L × W × H IN. (MM)
L160RS	215	160	100 130 190	7.0 9.0 13.0	1127.1 1036.1 844.7	31.93 29.35 23.93	100 125 190	6.9 8.6 13.0	1105.4 1035.3 828.5	31.30 29.32 23.46	76	9652	4378	115 × 82 × 86 (2921 × 2083 × 2184)
L200RS	270	200	100 130 190	7.0 9.0 13.0	1380.9 1292.3 1061.8	39.12 36.61 30.08	100 125 190	6.9 8.6 13.0	1354.5 1286.2 1041.5	38.36 36.42 29.49	78	10082	4573	
L250RS	335	250	100 130 190	7.0 9.0 13.0	1498.5 1399.3 1155.4	42.45 39.64 32.73	100 125 190	6.9 8.6 13.0	1462.7 1387.1 1127.6	41.42 39.28 31.93	79	10293	4669	
L290RS	400	290	100 130 190	7.0 9.0 13.0	1643.9 1542.6 1268.3	46.57 43.70 35.93	100 125 190	6.9 8.6 13.0	1604.6 1527.4 1238.0	45.44 43.25 35.06	81	10326	4684	

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)

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, Inc.

1800 Gardner Expressway Quincy, IL 62305 866-440-6241

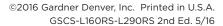
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²⁾ Measured in free field conditions in accordance with ISO 2151, tolerance +/- $3\,\mathrm{dB}$