



30-75 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 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.

Gardner

Denver

L30RS-L75RS ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		50 Hz				60 Hz						DIMENSIONS L x W x H IN. (MM)	
			NOMINAL PRESSURE		FAD ¹		NOMINAL PRESSURE		FAD ¹		NOISE LEVEL ²	WEIGHT		
	HP	KW	PSIG	BAR	ACFM	M ³ /MIN	PSIG	BAR	ACFM	M ³ /MIN	DB(A) @ 70% LOAD	LBS		KG
L30RS	40	30	100	7.0	194.2	5.5	110	6.9	193.9	5.49	68	2039	925	68 x 36 x 65 (1727 x 914 x 1651)
			130	9.0	179.0	5.07	125	8.6	182.5	5.17				
			145	10.0	169.8	4.81	145	13.0	170	4.82				
L37RS	50	37	100	7.0	238.3	6.75	110	6.9	238	6.74	69	2099	952	
			130	9.0	221.0	6.26	125	8.6	224.6	6.36				
			190	13.0	182.5	5.17	190	13.0	182.5	5.17				
L45RS	60	45	100	7.0	277.5	7.86	110	6.9	277.0	7.85	71	2147	974	
			130	9.0	258.0	7.31	125	8.6	262.3	7.43				
			190	13.0	216.0	6.12	190	13.0	216.3	6.13				
L55RS	75	55	100	7.0	361.5	10.24	100	7.0	361.6	10.24	69	3805	1726	
			130	9.0	335.4	9.5	130	9.0	341.1	9.66				
			145	10.0	318.4	9.02	145	10.0	318.6	9.03				
L75RS	100	75	100	7.0	469.8	13.31	100	7.0	470.0	13.31	72	3968	1780	85 x 48 x 78 (2159 x 1219 x 1981)
			130	9.0	429.6	12.17	130	9.0	436.6	12.37				
			190	13.0	362.2	10.26	190	13.0	362.5	10.27				

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

LRS-Series Features (30-75 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
- Allen Bradley inverter drive
- CRN and ASME rated aftercooler
- UL 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 filter
- Integrated thermostatic thermal mixing valve
- IP54 electrical enclosure
- Moisture separator (shipped loose)
- Optional Base Load Selector sequencing
- Optional line reactor (shipped loose)
- Optional potential free contacts kit
- Optional Profibus interface module
- Optional water cooling available on 55-75 kW models
- Quiet enclosure
- SD card for data logging
- Second pressure band control for lead/lag operation
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 460V (60 Hz all models)
230V (30 kW only)
575V (30-45 kW only)

**Gardner
Denver®**

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