



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)	
	HP	KW	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
L30RS	40	30	100 130 145	7.0 9.0 10.0	194.2 179.0 169.8	5.5 5.07 4.81	100 125 145	6.9 8.6 10.0	194.3 182.5 170.0	5.50 5.17 4.82	68	2039	925	68 x 36 x 65 (1727 x 914 x 1651)
L37RS	50	37	100 130 190	7.0 9.0 13.0	238.3 221.0 182.5	6.75 6.26 5.17	100 125 190	6.9 8.6 13.0	238.0 225.0 182.0	6.74 6.37 5.16	69	2099	952	
L45RS	60	45	100 130 190	7.0 9.0 13.0	277.5 258.0 216.0	7.86 7.31 6.12	100 125 190	6.9 8.6 13.0	277.7 262.3 216.3	7.87 7.43 6.13	71	2147	974	
L55RS	75	55	100 130 145	7.0 9.0 10.0	361.5 335.4 318.4	10.24 9.5 9.02	100 125 145	6.9 8.6 10.0	361.6 341.1 318.6	10.24 9.66 9.03	69	3805	1726	85 x 48 x 78 (2159 x 1219 x 1981)
L75RS	100	75	100 130 190	7.0 9.0 13.0	469.8 429.6 362.2	13.31 12.17 10.26	100 125 190	6.9 8.6 13.0	470.0 436.6 362.5	13.31 12.37 10.27	72	3968	1780	

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
- 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 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 (3 phase only)

**Gardner
Denver®**

Gardner Denver, Inc.

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

www.gardnerdenverproducts.com



©2016 Gardner Denver, Inc. Printed in U.S.A.
GSCS-L30RS-L75RS 1st Ed. 2/16

Please recycle after use.