



40-100 HP FIXED SPEED ROTARY SCREW COMPRESSORS

L-Series

Advanced Technology. Inspired Simplicity.

L-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, wye-delta starters, GD Pilot TS™ microprocessor controllers and quiet enclosures, an L-Series unit from Gardner Denver is the optimal solution when a feature-rich, simple-to-operate compressor is required.

First Class Serviceability

The L-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

L30-L75 ROTARY SCREW COMPRESSOR

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)			
L30	40	30	110	7.5	203	5.75	100	6.9	196.9	5.58	69	2035	923	
			145	10	176.9	5.01	125	8.6	181.1	5.13				
			190	13	150.7	4.27	190	13.0	148.9	4.22				
L37	50	37	110	7.5	247.1	7.00	100	6.9	233.7	6.62	70	2130	966	68 x 36 x 65 (1727 x 914 x 1651)
			145	10	217.8	6.17	125	8.6	218.6	6.19				
			190	13	187.1	5.30	190	13.0	179.5	5.08				
L45	60	45	110	7.5	282.4	8.00	100	6.9	269.4	7.63	71	2178	988	
			145	10	247.1	7.00	125	8.6	251.9	7.14				
			190	13	215.7	6.11	190	13.0	207.0	5.86				
L55	75	55	110	7.5	377.4	10.69	100	6.9	381.3	10.80	73	3803	1725	85 x 48 x 78 (2159 x 1219 x 1981)
			145	10	335.7	9.51	125	8.6	351.1	9.95				
			190	13	290.9	8.24	190	13.0	289.9	8.21				
L75	100	75	110	7.5	485	13.74	100	6.9	475.4	13.47	75	3891	1765	
			145	10	439.1	12.44	125	8.6	444.5	12.59				
			190	13	368.2	10.43	190	13.0	371.5	10.52				

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

L-Series Features (40-100 HP)

- Direct-gear 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
- CRN and ASME rated aftercooler
- CSA labeled and approved electrical controls and wiring
- cUL labeled electronics (including C-UL-US open industrial control panel)
- GD Pilot TS™ microprocessor controller
- Integrated spin-on oil filter
- Integrated thermostatic thermal mixing valve
- IP54 electrical enclosure
- Load/no load control and timed shutdown
- Moisture separator (shipped loose)
- Mounted and wired wye-delta starter
- Optional Base Load Selector sequencing
- Optional potential free contacts kit
- Optional Profibus interface module
- Optional water cooling available on 75-100 HP models
- Quiet enclosure
- Second pressure band control for lead/lag operation
- SD card for data logging
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 200 / 230* / 460 / 575V (3 phase only)

*Only available on 40-60 HP models

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GSCS-L30-L75 1st Ed. 2/16

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