

30-40 HP FIXED SPEED ROTARY SCREW COMPRESSORS

L-Series

Advanced Technology. Inspired Simplicity.

L-Series compressors from Champion 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, Pilot™ microprocessor controllers and quiet enclosures, an L-Series unit from Champion 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, Champion 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 controller and you have a world class small horsepower compressor package.



L23-L29 ROTARY SCREW COMPRESSOR

MODEL	DRIVE MOTOR		50 Hz				60 Hz				NOISE LEVEL ²	WEIGHT		DIMENSIONS L x W x H IN. (MM)
			NOMINAL PRESSURE		FAD ¹		NOMINAL PRESSURE		FAD ¹					
			PSIG	BAR	ACFM	M ³ /MIN	PSIG	BAR	ACFM	M ³ /MIN				
L23	30	22	110	7.5	146.8	4.16	100	6.9	148.7	4.21	68	1433	650	
			145	10.0	121.8	3.45	125	8.6	129.6	3.67				
			190	13.0	105.2	2.98	190	13.0	106.5	3.02				
L26	35	26	110	7.5	170.9	4.84	100	6.9	172.8	4.90	69	1493	677	
			145	10.0	145.8	4.13	125	8.6	148.1	4.20				
			190	13.0	121.4	3.44	190	13.0	128.5	3.64				
L29	40	30	110	7.5	194.9	5.52	100	6.9	193.1	5.47	71	1501	681	
			145	10.0	169.8	4.81	125	8.6	176.6	5.00				
			190	13.0	145.4	4.12	190	13.0	147.4	4.18				

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 +/- 3dB

L-Series Features (30-40 HP)

- Direct-gear drive, oil flooded, single stage rotary screw air compressor
- RotorLube 4000 lubricant
- Air-cooled only
- Air supply piping includes hard pipe design with Viton Victaulic couplings
- CRN and ASME rated aftercooler
- UL labeled electronics (including C-UL-US open industrial control panel)
- Pilot™ 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
- Quiet enclosure
- Second pressure band control for lead/lag operation
- TEFC main motor
- Two-stage air filter and air/oil separation system
- Voltage: 200 / 230 / 460 / 575V (3 phase only)

CHAMPION®

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