

22-30 KW VARIABLE SPEED ROTARY SCREW COMPRESSORS

LRS-Series

Advanced Technology. Inspired Simplicity.

LRS-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, robust and high performing Allen Bradley inverter drives, Pilot™ microprocessor controllers and quiet enclosures, an LRS-Series unit from Champion 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, 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.



L23RS-L29RS 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	
L23RS	30	22	100 130 190	7.0 9.0 13.0	145.4 132.0 102.0	4.12 3.74 2.89	110 145 190	7.5 10.0 13.0	145.5 123.5 102.1	4.12 3.50 2.89	68	1501	681	53 x 35 x 64 (1346 x 889 x 1626)
L26RS	35	26	100 130 190	7.0 9.0 13.0	169.1 153.9 125.7	4.79 4.36 3.56	110 145 190	7.5 10.0 13.0	168.9 144.9 125.7	4.78 4.10 3.56	70	1561	708	
L29RS	40	30	100 130 190	7.0 9.0 13.0	191.0 171.6 134.8	5.42 4.86 3.82	110 145 190	7.5 10.0 13.0	190.9 159.0 134.9	5.41 4.50 3.82	70	1570	712	

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

LRS-Series Features (22-30 kW)

- Direct drive, oil flooded, single stage rotary screw air compressor
- RotorLube 4000 lubricant
- Air-cooled only
- 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
- Pilot™ microprocessor controller
- Integrated spin-on oil filter
- Integrated thermostatic thermal mixing valve
- IP54 electrical enclosure
- Moisture separator (shipped loose)
- Optional line reactor (shipped loose)
- Quiet enclosure
- 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)

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