

# Oil-Free Rotary Screw Compressors

L-Series 37-110 kW

*For any application where high air purity is essential, the ideal choice is the Ingersoll Rand L-Series rotary screw compressor, a highly engineered system solution that meets all customer needs and brings them energy savings and peace of mind.*

## Reliability

**Class 0 100% oil-free air, 100% of the time:** Truly 100% oil-free, L-Series rotary screw compressor eliminates the risk of product contamination in processes requiring air with the highest purity possible. With highly reliable performance and rugged design, the L-Series offers 24/7 operation with virtually no downtime.

**Robust airend design:** The precision machined gears, oversized bearings, stainless steel air seals, unique labyrinth oil seal design ensure continuous flow of clean, oil-free compressed air.

**UltraCoat™ protection:** The most durable coating in the industry. This advanced rotor and housing coating process ensures unmatched adhesion properties and temperature resistance. The high precision rotors with optimised profile reduce energy consumption. Aluminum on critical components and treated piping prevent corrosion.



**Design for long life under extreme conditions:** The reliable heavy-duty components ensure mechanical integrity for long life and are designed to operate in high ambient conditions (46°C) and under extreme environments.

## Efficiency

Customer's needs and requirements are met with these rotary screw compressors which are designed with energy efficiency as a priority (Star Delta Starter, high efficiency motors, stable performance over time due to UltraCoat™ rotor coating, smart package design saving energy).

## Productivity

**Easy to maintain:** Maintenance is easy to perform with quick and easy access to all main routine service points.

## Microprocessor controller:

It offers intelligent control of your compressed air delivery and allows easy adjustments for the best performance level.

## Adaptable to any application:

Adaptable to any application with a blower or compressor control requirement.



# Markets which need Low Pressure Units when high air purity is a high priority



## Food and Beverage

- Oil-free compressors reduce contamination risk.



## Marine

- Pneumatic bulk loading
- Ballast pressurization



## (Petro-)Chemical

- Regulatory procedures require 100% quality air built into the process.



## Power

- Fly ash conveying
- Air fluidization
- Oil-free air insures high air quality



## Cement and Minerals

- Portland cement transport in cement plants



## Waste water treatment

- Aeration
- Ozonation processes

## Specifications

Model	Motor kW	Flow capacity		Max. operating pressure		Dimensions mm (Width x Length x Height)	Weight Kg
		m <sup>3</sup> /h	CFM	bar g	psig		
L37I A2.0-09-14-50	37	667	392	2.0	29	2835 x 1634 x 2365	2355
L37I A1.5-09-16-50	37	840	494	1.5	22		
L45I A3.0-09-14-50	45	644	379	3.0	43	2835 x 1634 x 2365	2355
L45I A2.0-09-16-50	45	829	488	2.0	29		
L45I A1.5-09-18-50	45	964	568	1.5	22		
L55I A3.5-09-14-50	55	633	372	3.5	50	2835 x 1634 x 2365	2485
L55I A3.0-09-16-50	55	807	475	3.0	43		
L55I A2.5-09-18-50	55	942	555	2.5	36		
L55I A1.5-09-20-50	55	1147	675	1.5	22	2835 x 1634 x 2365	2530
L75I A3.5-09-16-50	75	796	468	3.5	50		
L75I A3.5-09-18-50	75	921	542	3.5	50		
L75I A3.0-09-20-50	75	1115	656	3.0	43	2835 x 1634 x 2365	2485
L55I A1.5-14-16-50	55	1247	734	1.5	22		
L75I A3.0-14-16-50	75	1205	709	3.0	43		
L75I A2.5-14-18-50	75	1387	816	2.5	36	2835 x 1634 x 2365	2530
L75I A2.0-14-20-50	75	1578	929	2.0	29		
L90I A3.5-14-16-50	90	1191	701	3.5	50	2835 x 1634 x 2365	2530
L90I A3.0-14-18-50	90	1373	808	3.0	43		
L90I A2.5-14-20-50	90	1565	921	2.5	36		
L110I A3.5-14-18-50	110	1359	800	3.5	50	2835 x 1634 x 2365	2530
L110I A3.5-14-20-50	110	1537	905	3.5	50		



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