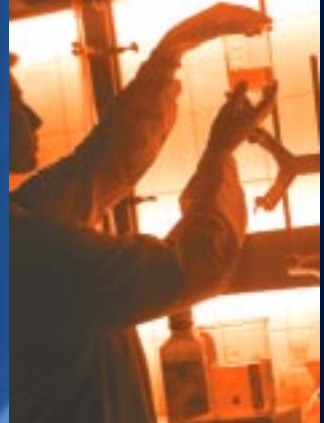




L75G - L90G - L110G

Oil Injected Rotary Screw Compressors



Intelligent Air Technology



L75G - L90G - L110G Oil Injected Rotary Screw Compressors

CompAir's experience and advanced manufacturing techniques ensure high productivity.

CompAir's experience in the design and manufacture of high quality compressed air systems spans almost 200 years. Today, through a continued program of research and development, CompAir delivers the high performance and quality standards that the industry demands.

Screw compression elements are manufactured in-house using the latest rotor machining centers with rigorous dimension and profile checks in order to maintain precise machining tolerances. The resulting reliability and performance ensure that operating costs will remain low throughout the compressors life.

A range of compressed air systems to suit all applications

Industries, both large and small, rely on CompAir Rotary Screw Compressors for a supply of consistently high quality compressed air. CompAir L-Series Rotary Screw Compressors are available in power ratings from 10 hp to 335 hp, capacities from 41 cfm to 1,513 cfm and working pressures from 72 psi g to 190 psi g.

CompAir offers a range of air treatment equipment including downstream filtration, dryers and condensate treatment equipment designed to maximize the effectiveness of your compressed air system.

Ongoing investment in the latest design and manufacturing tools, and rigorous implementation of ISO 9001 approved quality systems ensure you take delivery of a reliable, high quality product.



Saves Energy

- Proven CompAir High Output Compression Element
- Efficient Power Transmission Using Proven Gearbox Drive
- High-Efficiency EPACT NEMA Drive Motors
- Intelligent Run-On Timer

Economical to Maintain

- Reduced Downtime and Simplified Servicing
- Large Hinged Doors Provide Easy Access to All Components
- Reduced Cost of Ownership

Monitoring and Control

- Microprocessor Based Compressor Control System
- Clear Text Machine Status Display
- Remote Control
- Accurate Pressure Transducer Control
- Easy Interconnection with LSR-Series Speed Regulated Compressors for Efficient System Performance



Easy Installation

- Full Silencing Enclosure for Low Noise Levels
- Free-Standing Package



Cooling fan with silenced exhaust duct draws cooling air through the coolers and ventilates the package.

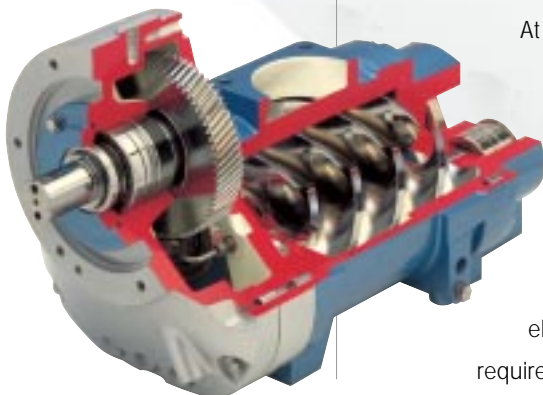
Totally enclosed fan cooled or drip proof EPACT high-efficiency NEMA motor fitted with automatic bearing lubrication.



A Reliable and Efficient Heart

At the heart of the LG-Series compressors is the patented CompAir Cyclon profile high output compression element. The compression element incorporates a male rotor with four lobes and a closely matching female rotor with five flutes providing a high swept volume per revolution coupled with a small blowhole and reduced leakage paths.

A four pole, high-efficiency NEMA electric motor drives the compression element via a gear drive system and flexible drive coupling. The gear drive system requires no routine maintenance and transmits power with minimal losses.



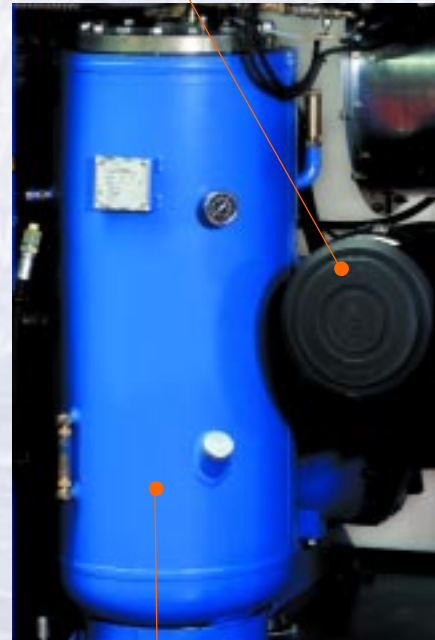
Individual aluminum matrix oil and air coolers for efficient cooling in temperatures up to 115°F / 46°C and low final air discharge temperature (water-cooled models and heat recovery systems available).



Gearbox drive system with a flexible drive coupling transmits drive with minimal losses.

Enclosure filtration pre-filters air entering the compressor enclosure.

Two-stage heavy-duty intake filter with 99.9% efficiency protects the compression element.



Multi-stage oil separation system provides high quality air with a remaining oil content of 3 ppm or less.

Optional air discharge moisture separator with energy saving level controlled condensate drain.





Intelligent Controls

The microprocessor based control system monitors and protects the compressor as well as giving indication of the operating parameters and machine status.



Control system features:

- Permanent Pressure Display
- Text Status Display
- Compressor Mimic Diagram
- Auto Restart After Power Failure
- Service Due Indication
- Remote Start/Stop Input
- Remote Fault Output
- Fault History Store
- Permanently Stored Default Values
- Access Code Protected Operating Settings
- RS485 Communication Port

The control system includes the ability to program a second set of pressure settings enabling a lower working pressure to be selected during evening or weekend operation for reduced energy consumption. This feature also allows for simple sequencing of a two compressor installation.

Efficient Regulation

The compressors are equipped with a regulation system that automatically loads and unloads the unit in order to match output to the air demand. System pressure is monitored by a pressure transducer in order to provide precise pressure control and allow programming of pressure settings within a 2 psi differential.

An intelligent run on timer saves energy by eliminating unnecessary unloaded operation. The system allows the compressor to stop immediately. Air demand is removed while still protecting the drive motor against overheating that could be caused by frequent starting.

Modulating control is available as an option for those processes that can benefit from a constant pressure regulation system or where energy savings will result from an air demand that is close to the maximum output of the compressor.

System Control

CompAir also offers a range of electronic control panels that can sequence and control multiple compressor installations for maximum efficiency.



Technical Specifications

Model	Nominal Motor Rating	Free Air Delivered* cfm				Noise Level**
		100 psi g	125 psi g	150 psi g	180 psi g	
	hp					dB(A)
L75G	100	495	455	408	376	77
L90G	125	586	548	477	439	78
L110G	150	677	625	556	510	79

*At stated working pressure, measured and tested in accordance with Pneurop/CAGI PN2CPTC2 and ISO 1217 Ed3 Annex C at the following reference conditions.

Air intake pressure – 14.5 psi a.

Air intake temperature – 68°F / 20°C.

**Measured in accordance with Pneurop Cagi PN8NTC2 with a tolerance of +/- 3 dB(A).

Dimensions and Weights

Model	Dimensions - inches/mm			Weight - ODP/TEFC	
	L	W	H	lbs.	kgs.
L75G	94.5/2,500	55.1/1,400	72.8/2,020	4,510/5,241	2,046/2,378
L90G				4,691/5,500	2,100/2,495
L110G				4,870/5,794	2,209/2,629



Reducing Compressed Air Generation Costs

In order to deliver a generation system with minimum energy consumption, the compressors can be teamed with CompAir LSR-Series Speed Regulated Compressors allowing the system to satisfy varying air demands with maximum efficiency. CompAir L45SR, L75SR and L120SR Speed Regulated Compressors utilize a truly innovative switched reluctance drive system to enable the entire system to precisely match output to demand.

System Benefits:

- Energy Consumption Matched to Air Demand
- Varying Air Demands Satisfied Efficiently
- Constant System Pressure
- Unloaded Running Eliminated

Intelligent Air Technology

Compressed air solutions for every application

Compressors

Up to 2,750 cfm

1 - 604 hp

Up to 6,000 psi

Lubricated

Rotary Vane

Single-Stage Screw

Two-Stage Screw

Speed Regulated Screw

Piston

Portable

Oil-Free

Two-Stage Screw

Water-Sealed Screw

Piston

Portable

Complete Accessories Program

Filters and Dryers

Cooling Systems

Heat Recovery

Condensate Management

Air Receivers

Multi-Set Controllers

Lubricants

Value Added Services

Air Audit

Performance Reporting

Utility Air

Performance Contracting

Complete Service for Compressed Air Technology

Engineering of Complete Compressor Stations

Local Service Centers

Guaranteed Parts Availability



CompAir

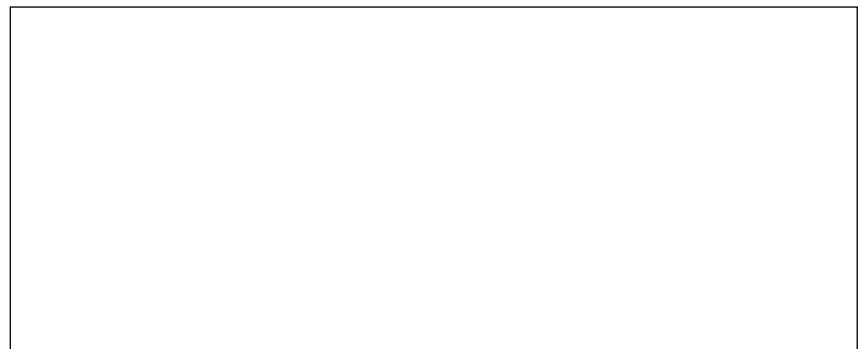
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