



L30 - L250

Oil Injected Rotary Screw Compressors



Engineered to Save



L30 - L250 Oil-Injected Rotary Screw Compressors

The latest CompAir range of oil-injected rotary screw compressors incorporate the very latest technological advances and manufacturing processes to provide users with a continuous supply of economical, reliable, high quality compressed air.

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 industry demands.

Screw compression elements are manufactured in-house using the latest CNC rotor grinding machinery, coupled with on-line laser technology, in order to maintain precise manufacturing 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. This brochure covers compressor sizes from 134 to 1,512 cfm over a pressure range between 100 to 190 psi g and are available in both air- and water-cooled models.

Pre-packaged with single connections for power supply, compressed air and built-in cooling system, the installation of all CompAir L Series compressors is greatly simplified.

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.



Powerful, Economical, Reliable

Reduces Energy Consumption

Easy to Install

Minimizes Installation Costs

Increases Reliability and Productivity

Simplifies Maintenance

Instant Monitoring and Control

Low Noise Levels



The ComPAir screw profile - the result of continuous research and development



*The ComPAir L Series.
A high capacity air compressor range that sets the highest standards in reliable, economical and efficient operation.*



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High Performance and Efficiency

The latest CompAir rotary screw compressor designs ensure low system and compressed air temperatures. This guarantees excellent cooling and maximum service life for all components.

The high capacity compression element, with low rotor-tip speeds and optimized oil injection, gives high efficiency with maximum reliability.

Highly efficient cooling system

Cooling is achieved with an independent, motor-driven fan. Cold air passes over the inside of the package picking up radiant heat so there is no temperature build-up under the canopy. This allows for safe operation in the most arduous conditions.

A large surface after-cooler gives the benefits of:

- All areas are easily accessible for maintenance and inspection
- Less water vapor in the compressed air leading to longer life for air system components
- Additional fans are not normally required when exhaust ducting is installed, reducing installation and operating costs.

A large oil cooler gives low system temperatures, resulting in longer life for oil, filters and seals. Furthermore, the large cooler also gives:

- Lower pressure drop and improved efficiency
- Less possibility of fouling.

As an option a heat recovery system can be incorporated into the oil circuit.



Package cooling fan. The cool air passing through the unit picks up all radiant heat



The large aftercooler effectively cools compressed air and is easily accessible for maintenance



The high capacity compression element, with low rotor-tip speeds, gives high efficiency with maximum reliability



Large reclaimers with generously-sized fine separator elements, large oil coolers and aftercoolers



CompAir employs only the very best manufacturing techniques - your guarantee for reliability and performance

Minimal installation costs

The L series compressors are designed for simple and easy installation.

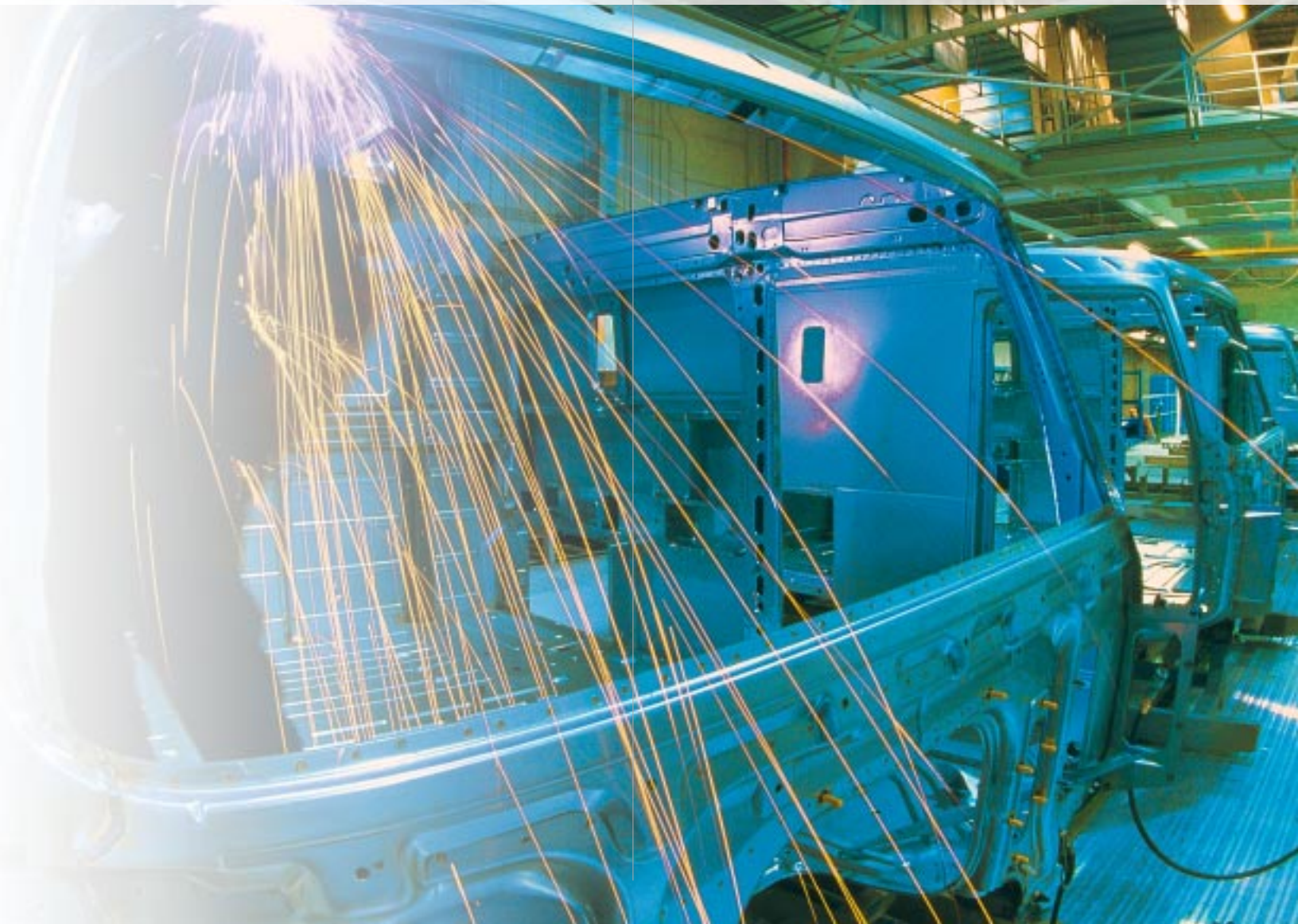
- Transportable by fork lift
- Compact footprint
- Installation against a wall possible
- Simple connections for compressed air and electrical supply
- Easy commissioning
- Configured for connection to ducting systems

Low noise levels

The sound insulation and compressor design reduces noise to low levels, eliminating the need for a separate compressor house.

Low service costs

The innovative compressor design saves unnecessary service costs. All component parts are designed for a long service life and the generously-sized suction filters, oil filters and fine separators ensure excellent compressed air quality. Quick access service points allow servicing to be conducted in minutes, minimizing downtime and service costs.



Built-in intelligent controls

Close operational control is essential to reduce running costs. All CompAir rotary screw compressors are supplied with intelligent, fully electronic controllers with simple controls and a user-friendly menu.

This system optimizes performance to demand and monitors operating parameters of the unit.

The fully electronic system offers superb performance with simple controls and user-friendly menu



Safety assured

- Automatic systems check prior to start-up
- Monitoring of all safety-related parameters
- Automatic re-start after power failure.

Cost saving

- Automatic operation - the motor only runs when required
- Service intervals are monitored for optimized replacement of air intake, oil and separator filter elements
- Drive system protected by star delta starting
- Timed control of starting frequency
- Thermostatically controlled cooling fan - saves power in idle running mode.

Pressure transducer

Allows programming of pressure control within 2.9 psi.

The lower the pressure differential, the higher the cost saving by not running at greater pressures than required.

Base load selector

The base load selector allows CompAir L Series to control other compressors in the installation, enabling them to benefit from the accurate pressure control and improved economy of the air system.

Additional features

- Remote start/stop facility
- Service history fault memory
- The electronic system is able to control accessory equipment, such as dryers, condensate drains and filters
- Choice of five languages.



Technical Specifications

Model	Drive Motor Hp	Free Air Delivered CFM				Dimensions (Inches)			Noise dB(A)	Weight Pounds
		100 psi g	125 psi g	150 psi g	190 psi g	Length	Width	Height		
L30	40	173	159	141	134	59.1	43.3	55.6	74	1,819
L37	50	212	201	177	159	59.1	43.3	55.6	74	1,874
L37S	50	251	230	205	180	70.9	47.3	65.0	68 (67)	2,568
L45	60	293	275	230	198	70.9	47.3	65.0	69 (68)	2,778
L55	75	326	321	286	229	70.9	47.3	65.0	71 (70)	3,020
L75	100	400	364	325	287	70.9	47.3	65	74 (73)	3,285
L55G*	75	381	351	n/a	290	85	48.1	75.6	71	3,803
L75G*	100	475	445	n/a	372	85	48.1	75.6	72	3,892
L90G*	125	586	548	477	439	94.5	55.1	72.8	78	4,691
L110G*	150	677	625	556	510	94.5	55.1	72.8	79	4,870
L160	215	1,008	937	861	766	110.3	75.6	81.7	76 (74)	8,851
L200	270	1,299	1,159	1,019	953	110.3	75.6	81.7	78 (75)	9,601
L250	330	1,512	1,413	1,249	1,174	110.3	75.6	81.7	78 (77)	9,766

“G” suffix denotes direct coupled; others are belt drive.

LSR Compressors

LSR compressors compliment the standard L Series range and utilize a unique switched reluctance variable speed drive system. The drive system enables the compressor to match output to varying demands and as a result provide energy savings. Adding an LSR compressor to any installation of standard L Series compressors gives the entire system the ability to precisely match output to demand, allowing the compressors to consume exactly the right amount of energy to do the job, and no more.

() Water-cooled version

Minimum working pressure: 72 psi g.
 L30 - L37: Air Cooled
 L37S - L250: Air or Water Cooled
 Performance data according to Cagi Pneurop/PN 2 CPTC 2.

Intelligent Air Technology

Compressed air solutions for every application

Compressors

0.1 - 43m³/min
0,75 - 260kW

Lubricated

Rotary Vane
Single Stage Screw
Speed Regulated Screw

Piston

Portable

Oil-Free

Two Stage Screw
Water-Sealed Screw
Piston
Portable
Turbo

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



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CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.

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