



L Series
L15–L22 (20–30 HP)
Rotary Screw Compressors

NEW



INTELLIGENT AIR TECHNOLOGY

➤ L15–L22 ROTARY SCREW COMPRESSORS

The L Series oil injected rotary screw compressors provide a range that combines high performance, low operating costs and reliability with ease of installation and servicing.

➤ *Continuous research and the very latest production methods ensure the delivery of the high performance and quality standards that industry demands.*

The new design of the high efficiency airend operates at low rotational speeds, and as a result reduces energy costs.

Screw compression elements are manufactured in house using the latest CNC rotor grinding technology, coupled with on line laser measurement, in order to maintain precise manufacturing tolerances. The resulting reliability and performance ensure that operating costs will remain low throughout the compressor's life.



The CompAir integrated airend – the unique result of continuous research and development

➤ *A range of compressed air systems to suit all applications*

Industries, both large and small, rely on CompAir rotary screw compressors for a constant supply of high quality compressed air. The L15, L18, and L22 compressors provide outputs from 65 to 130cfm at pressures between 75 and 190 psig, and all models are air cooled.

Fully enclosed package delivers excellent noise performance and provides single point connections for both power and compressed air. Designed with the smallest footprint in the industry the compact design will fit through standard doorways, allowing for ease of installation.

The L15, L18, and L22 come standard with high efficiency TEFC motors and Wye/Delta starters. All motors when coupled with the high specific output CompAir air ends result in energy efficient, high performance compressors.

On going 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.



➤ *L15–L22 ADVANCED DESIGN*

Compair's sound engineering principles and innovative design ensure performance and reliability.



➤ *DUAL POSITION DELCOS PRO ELECTRONIC CONTROL*

Innovative design provides flexibility in controller location, optimizing access to meet all needs.

➤ *LOW MAINTENANCE COSTS*

All service components are conveniently grouped and are accessed via the easy to remove canopy, keeping service time and costs to a minimum.

➤ *NEW FULLY INTEGRATED AIREND*

The new design of the high efficiency airend operates at low rotational speeds, and as a result reduces energy costs. The innovative integrated design, with oil separation, oil filter, and thermostatic bypass valve, reduces the number of external hoses and components resulting in increased reliability.

➤ *HIGH EFFICIENCY DRIVE MOTOR*

TEFC motor for operational reliability.

➤ *UP TO 113° F (45° C) AMBIENT CAPABILITY*

Ensures continuous and stress-free operation through efficient heat dissipation.



➤ *HIGH QUALITY AIR*

This is achieved by the use of high efficiency air/oil separation system and optimum aftercooling.

➤ *LOW NOISE LEVELS*

Reduced installation cost can be achieved by locating the compressor near personnel or equipment without health or safety issues.

➤ *SMALL INSTALLATION FOOTPRINT*

For ease of installation, the package is fully accessible from all sides and designed to pass through a standard doorway.

➤ L15–L22 EXCELLENCE IN EVERY DETAIL

CompAir compressors deliver high quality, cool compressed air—ideal for a wide range of production processes.

An air/oil separation system incorporating centrifugal, gravity and filtered separation ensures the highest quality air.



Grouped Service Components



Fully Integrated Design



A Reliable and Highly Efficient Drive System

➤ SERVICE-FRIENDLY DESIGN

Although compact, the compressor design allows for:

- Short servicing times
- Long service intervals
- Reduced service costs

➤ FIRST-CLASS ACCESSIBILITY

Panels and covers are easily removable with quick-release catches

➤ EASY SERVICE ITEMS

- Spin on/off separator cartridge gives residual oil carryover of less than 3 ppm
- Quick oil change via external drain
- Easy access suction filter element

➤ MINIMUM SPACE REQUIREMENT

- Small footprint saves space, allowing installation even in restricted areas

➤ HIGH PERFORMANCE STANDARD FEATURES

- Quiet enclosed
- TEFC motor
- Wye/Delta starter
- Microprocessor based control system

➤ AUTOMATIC BELT TENSIONING SYSTEM

- Maintenance free
- Provides correct belt tension
- Gives long belt life

➤ INNOVATIVE CONTROL PANEL

- Avoids input errors
- Increases operational safety
- Dual position for ease of access

➤ AIREND

- Integrated design delivers maximum performance
- Provides high air output
- Minimum power consumption
- Optimized oil injection
- Low rotational speeds

➤ COMBINED AIR/OIL COOLER

- Equipped with a bypass for rapid warm-up and oil temperature control, eliminating unnecessary wear and condensate in the compressor system
- Low air discharge temperature

➤ LOW SERVICE COSTS

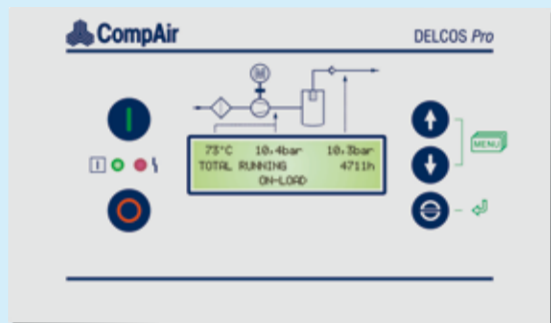
Our innovative compressor concept saves our customers unnecessary service costs. Quick access service points allow servicing to be carried out in minutes. The intake filter, oil level indicator, oil fill point, spin on/off oil filter and separator elements are conveniently grouped behind a lift-off canopy section so downtime and service costs are kept to a minimum.

All component parts are designed for long service life. Generously-sized suction filters, oil filters and final separators ensure long service life and excellent compressed air quality.



⇒ DELCOS PRO INTELLIGENT CONTROLLER

The new control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters. The Delcos Pro also has the capability to have programmable inputs and outputs, control additional equipment such as a dryer, as well as providing the following features with clear readable text.



Dual Position Controller



Dual Position Controller

- ⇒ Discharge/line pressure display
- ⇒ Air/Oil temperature display
- ⇒ Total hours run and loaded hours
- ⇒ Service due indicator
- ⇒ Enhanced fault log monitor
- ⇒ Real time clock
- ⇒ Timer controlled stop/start
- ⇒ Remote stop start
- ⇒ Auto restart on power failure
- ⇒ Second pressure setting
- ⇒ Status indication
- ⇒ RS485 – Modbus RTU
- ⇒ Dryer control
- ⇒ Programmable digital inputs
- ⇒ Programmable fault outputs
- ⇒ Dual position
- ⇒ Three-line LCD interface

⇒ ALL AROUND PROTECTION

⇒ *Platinum Warranty Program*

The CompAir Platinum Warranty program delivers the most comprehensive plan in the industry with a standard 1-year warranty on all new machines. An extended warranty is available simply by registering the machine at startup, using the CompAir warranty kits and lubricant, and participating in the oil analysis program.

⇒ EXPRESS WARRANTY

- Standard 1-year warranty on all new machines
- 2-year airend warranty

⇒ PLATINUM EXTENDED WARRANTY

- Registration at startup
- 10-year airend coverage

- Coverage of critical compressor components including: Cooler, Air/Oil Reservoir, Motor, & Controller
- 0–4000 hours per year or 4001–8000 hours per year warranty kits
- CompLube “10” and participation in oil sampling program

➤ L15– L22 AIRSTATION THE COMPLETE PACKAGED SOLUTION

➤ SIMPLE TO SELECT

All components are perfectly matched for optimal performance

➤ SIMPLE TO INSTALL

- Easy and less cost installation
- Small footprint
- **Integrated forklift slots standard**

➤ L015-L22 ROTARY SCREW COMPRESSORS

A product to suit all applications and consistently supply high quality compressed air.

- Highly efficient compression element
- First class accessibility
- Grouped service components
- Automatic belt tensioning system
- Quiet enclosed package design
- DELCOS Pro intelligent controller

➤ AIR RECEIVER

- 120 gallon tank
- **Zero-loss automatic tank drain standard**

➤ SIMPLE TO USE

All components are ready to “Plug and Play”

➤ SIMPLE TO SERVICE

Best accessibility for servicing the compressor and dryer

Standard three way bypass allows for dryer maintenance while compressor is running

➤ DURABLE CONNECTORS

Stainless steel tubing between package components

➤ OPTIONAL REFRIGERATED DRYER

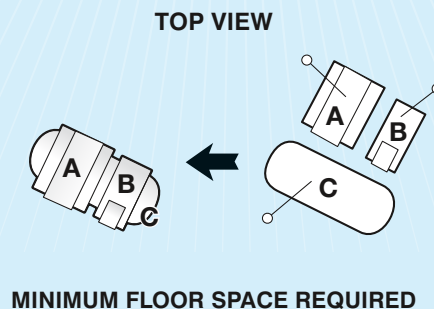
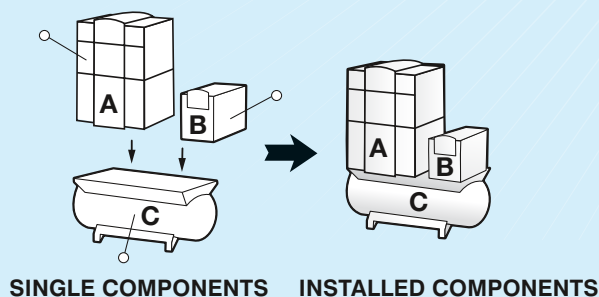
Guarantees top performance with low pressure losses

- Zero air-loss automatic float drain
- Integrated Grade B filter standard
- Optional integrated Grade E cold coalescing filter



➤ SMALL FOOTPRINT

By mounting the components on the receiver, the foot print required is reduced by more than 50%.



L15–L22 Screw Compressor

SCREW COMPRESSOR	TYPE	L15			L18			L22		
Nominal pressure	psig	100	125	190	100	125	190	100	125	190
FAD ¹⁾	cfm	92.2	86.0	65.1	114.4	105.1	82.6	129.7	120.1	94.8
Drive Motor	HP (kW)	20 (15)			25 (18.5)			30 (22)		
Voltage (Tri-voltage)	V / Hz / Ph	208 / 230 / 460 / 575 / 60 / 3								
Noise Level ²⁾	db (A)	72			73			73		
DIMENSIONS										
Length x Width x Height	inches (mm)	31 x 27.5 x 47.3 (787 x 698 x 1202)								
Weight	lbs (kg)	739 (335)			796 (361)			810 (367)		

¹⁾ Data measurements and specifications in accordance with ISO 1217 Annex C within the tolerances specified:

Intake pressure 14.5 psi, Intake temperature 68°F, Humidity 0% (dry)

²⁾ Measured in free field conditions in accordance with ISO 2151 and ISO 9614-2, tolerance ± 3 dB(A).

L15–L22 AirStation

SCREW COMPRESSOR	TYPE	L15			L18			L22		
Nominal pressure	psig	100	125	190	100	125	190	100	125	190
FAD ¹⁾	cfm	92.2	86.0	65.1	114.4	105.1	82.6	129.7	120.1	94.8
Drive Motor	HP (kW)	20 (15)			25 (18.5)			30 (22)		
Voltage (Tri-voltage)	V / Hz / Ph	208 / 230 / 460 / 575 / 60 / 3								
Noise Level ²⁾	db (A)	72			73			73		
REFRIGERATION DRYER ³⁾	TYPE	CNC100			CNC125			CNC150		
Total Absorbed Power	kW	0.9			1.3			1.3		
Voltage	V / Hz	115 / 60 / 1								
Refrigerant	Type	R134a								
Air Outlet	NPT	1"								
AIR RECEIVER	VOLUME	120 gal								
Air Outlet	NPT	1"								
DIMENSIONS										
Length x Width x Height	in	79.6 x 32 x 73.8								
Weight less dryer	lbs	1194			1251			1265		
Weight with dryer	lbs	1505			1584			1604		

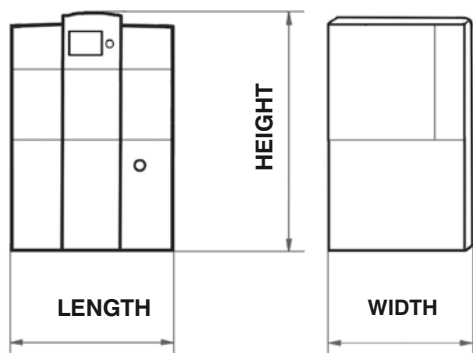
¹⁾ Data measured and stated in accordance with ISO 1217 Annex C and the following conditions:

Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0% (dry)

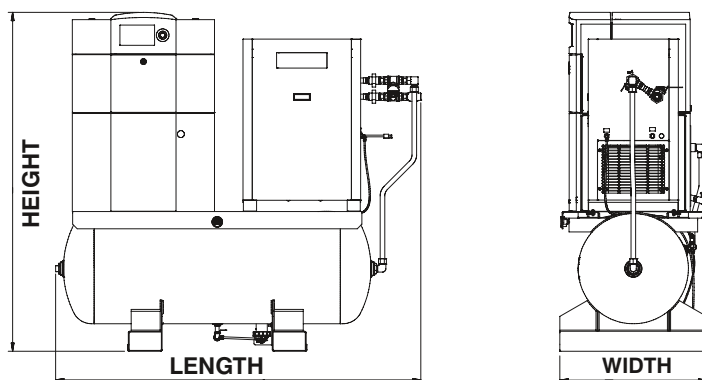
²⁾ Measured in free field conditions in accordance with ISO 2151 and ISO 9614-2, tolerance ± 3 dB(A).

³⁾ The refrigerant dryer requires a separate electric supply. Data refer to DIN ISO 7183, 8573-1:2001 (class 4, pressure dew point 3°C).

L15–L22 SCREW COMPRESSOR



L15–L22 AIRSTATION



Aftermarket Parts & Lubricants

Protect the Investment in CompAir

Regular maintenance and service of CompAir product is critical to the performance and longevity of the equipment. Only CompAir can provide the assurance that the investment will provide a lifetime of productivity.

Reliability

Only CompAir can provide aftermarket parts and services that are engineered for use in CompAir products. The parts and lubricant have been tested under rigorous conditions at the factory to the highest quality standards.

Performance

Only CompAir can provide aftermarket parts designed specifically for the CompAir product. Use of OEM parts ensures that the investment in CompAir will continue to perform year in and year out with the same reliability and efficiency.

Ease of Doing Business

Only CompAir can provide the peace of mind of turning to one supplier and one source for all aftermarket needs. CompAir has the support network in place to handle all customer service, service and technical support needs.

Value

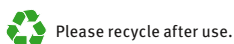
Only CompAir can provide the high quality aftermarket parts and services for the life of the investment in CompAir. Proper care of the CompAir product is vital to the equipment's performance and efficiency. Lean on a trusted source — CompAir.



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©2011 Gardner Denver, Inc.
CU-L15-22-US 2nd Ed. 1/11

Printed in U.S.A.

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