



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

NEW



INTELLIGENT AIR TECHNOLOGY

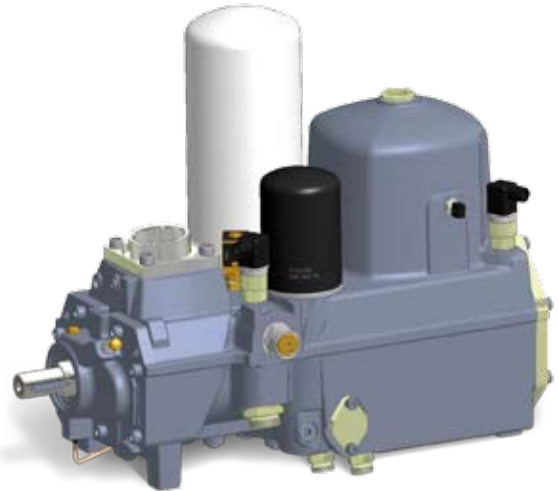
➤ L15–L22 ROTARY SCREW COMPRESSORS

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 lowers 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 lowers 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.



Easy Access for Service

➤ 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.



Grouped Service Components

➤ 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
- Integrated airend
- 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 control of the oil temperature, resulting in no unnecessary wear or condensate in the compressor system
- Low air discharge temperature



Fully Integrated Design



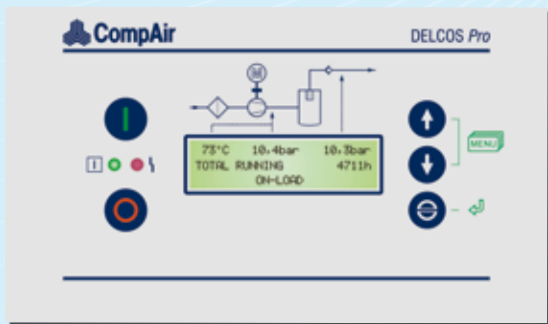
A Reliable and Highly Efficient Drive System



Dual Position Controller

➤ 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 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

TECHNICAL DATA

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	208 / 230 / 460 / 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 and Pneuop/Cagi PN2CPTC2 within the tolerances specified: Intake pressure 14.5 psi, Intake temperature 68°F, Humidity 0% (dry)

²⁾ Free field sound ranging in accordance with Pneuop/Cagi PN8TNC2.2 test code, tolerance +/- 3dB

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 and 5- and 10-year programs available simply by registering the machine at startup and use of CompAir warranty kits, lubricant, and participation in the oil analysis program.



PROTECTION FOR YOUR PEACE OF MIND

EXPRESS WARRANTY

- Standard 1-year warranty on all new machines

PLATINUM 5-YEAR WARRANTY

- Registration at startup
- Renewable each year
- Coverage of critical compressors components including: Air End, Cooler, Air/Oil Reservoir, Motor, Variable Speed Drive, and Controller
- 0–4000 hours per year or 4001–8000 hours per year warranty kits
- CompLube “10” and participation in oil sampling program

PLATINUM 10-YEAR WARRANTY

- Registration at end of Platinum 5-year Warranty
- Renewable each year
- Air End Coverage
- 0–4000 hours per year or 4001–8000 hours per year warranty kits
- CompLube “10” and participation in oil sampling program

Other Innovative Products



⇒ L-SERIES FIXED SPEED

Delivering a wide range of flow and pressure to meet a variety of compressed air needs, the L-Series is a fully enclosed compressor package designed for safe and reliable operation.

- 7 to 250kW (10 to 330 HP)
- 24 to 1530 CFM
- 73 to 190 psig
- Quiet Enclosed
- TEFC Motor
- Wye/Delta Starter
- Delcos Pro Controller



⇒ L22SR VARIABLE SPEED

Designed with a new integrated, high efficiency airend, the L22SR delivers un-paralleled performance and wide turndown range to meet a variety of plant air needs.

- 27 to 128 CFM
- 75 to 190 psig
- Variable Speed
- Wide turndown range
- Delcos Pro dual position controller
- TEFC Motor
- Quiet Enclosed



⇒ DH OIL-FREE

Delivering clean, high quality, oil-free compressed air, the DH series is the answer for a diverse range of industries where the compressed air comes into direct contact with the products being manufactured.

- 100% Oil-Less
- Water-injected
- 15 to 110kW (20 to 150 HP)
- 23 to 655 CFM
- 73 to 145 psig
- Variable Speed
- Direct Drive
- Wide turndown range
- Delcos Pro controller
- TEFC Motor
- Quiet Enclosed



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