



# ROTARY SCREW COMPRESSORS

**NEW**



⇒ L-AIRSTATION



⇒ L07 – L22

**INTELLIGENT AIR TECHNOLOGY**

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.**

Screw compression elements are designed, developed and then 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 supply of constantly high quality compressed air. L07 – L22 compressors provide outputs from 0.85 to 3.67 m<sup>3</sup>/min at pressures between 5 and 13 bar g, and all models are air cooled.



Pre-packed with single connections for both power and compressed air and able to fit through standard doorways, the installation of these L Series compressors is simple.

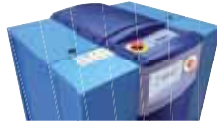
Ongoing investment in the latest design and manufacturing tools and rigorous implementation of ISO 9001 approved quality systems, ensure you take delivery of a reliable, high quality product.



⇒ **VARIABLE SPEED ROTARY SCREW COMPRESSORS**

CompAir offers a full range of variable speed compressors from 11 to 250kW. Adding a variable speed compressor to any installation 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.

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



➤ **FACTORY-FILLED COMPAIR LONG-LIFE LUBRICANT**

Reduces servicing costs by extending oil change periods to up to 4,000 hours.

➤ **DUAL POSITION DELCOS Pro ELECTRONIC CONTROL**

Reliability and simplicity of operation.

➤ **24 VOLT CONTROLS**

Low voltage for safe operation.

➤ **NEW FULLY INTEGRATED AIREND**

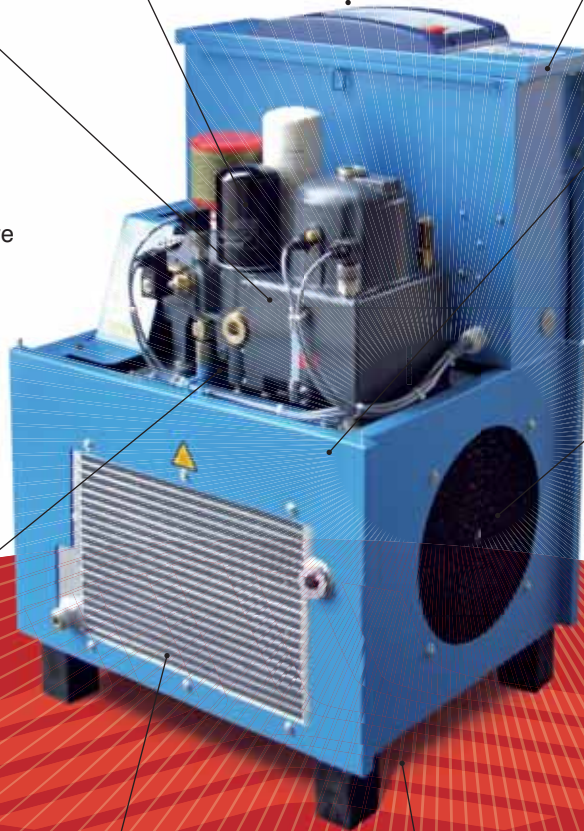
The new design of the high efficiency airend operates at low rotational speeds, and as a result lowers energy costs. The innovative integrated design, with oil separation, oil filter, thermostatic bypass valve, reduces the number of external hoses and components resulting in increased reliability.

➤ **HIGH EFFICIENCY DRIVE MOTOR**

IP55 motor for operational reliability.

➤ **UP TO 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 to personnel or equipment without health and safety issues.

➤ **A SMALL INSTALLATION FOOTPRINT**

Designed to pass through a standard doorway simplifies installation.

Option:  
AirStation – screw compressor, dryer and receiver are perfectly matched.



max. 870 mm

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 mg/m<sup>3</sup>
- Quick oil change via external drain
- Easy access suction filter element.

⇒ **MINIMUM SPACE REQUIREMENT**

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

⇒ **SOUND-PROOFED PACKAGE DESIGN**

- Gives low operational noise levels.

⇒ **AUTOMATIC BELT TENSIONING SYSTEM**

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

⇒ **ERGONOMIC CONTROL PANEL**

- Avoids input errors
- Increases operational safety.

⇒ **COMPRESSION ELEMENT**

- Provides high air output
- For minimum power consumption
- Optimised oil injection.

⇒ **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.

⇒ **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 as well as providing the following features with a clear readable text.



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



## ⇒ ALL AROUND PROTECTION

### ⇒ EXTENDED ASSURE™ WARRANTY – FREE OF CHARGE

The new CompAir Assure™ Warranty is the first of its kind in the world, based on a “working when you are” approach instead of the yearly based industry standard warranty.

CompAir Comprehensive Service and Warranty Programmes based on product usage up to **44,000 hours**:

- |  |   |   |  |
|--|---|---|--|
| <p>⇒ <b>ASSURE™</b><br/>24,000 hour extended warranty for new machines</p> | <p>⇒ <b>ASSURE™ EXTENSION</b><br/>Extension of the standard 24,000 hour warranty up to 32,000 hours</p> | <p>⇒ <b>ASSURE™ RE-WARRANT</b><br/>Re-Warranting of machines up to 28,000 hours which are not presently covered by a warranty</p> | <p>⇒ <b>ASSURE™ PLUS</b><br/>44,000 hour extended warranty for machines which run more than 5,000 hours annually</p> |
|--|---|---|--|



FOR YOUR PEACE OF MIND WE TAKE CARE

**THE COMPLETE PACKAGED SOLUTION**

**SIMPLE TO SELECT**

All components are perfectly matched

**SIMPLE TO INSTALL**

Ease and low cost installation  
Small foot print

**SIMPLE TO USE**

All components are ready to “Plug and Play”

**SIMPLE TO SERVICE**

Best accessibility for servicing the compressor and the separate dryer

**HIGH QUALITY RECEIVER**

Receivers built to the highest standard are inspection free for 5 years



**DIRECT EXPANSION REFRIGERATION DRYER**

Guaranteeing top performance with low pressure losses

- Low power consumption
- Environmentally friendly refrigerant
- High operating limits
- Condensate drain incorporated
- Digital dewpoint indicator

**L07 – L22 ROTARY SCREW COMPRESSORS**

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

- High efficient compression element
- Energy saving: CEMEP EFF1 high efficiency motors available
- First-class accessibility
- Grouped service components
- Automatic belt tensioning system
- Sound-proofed package design
- DELCOS Pro intelligent controller

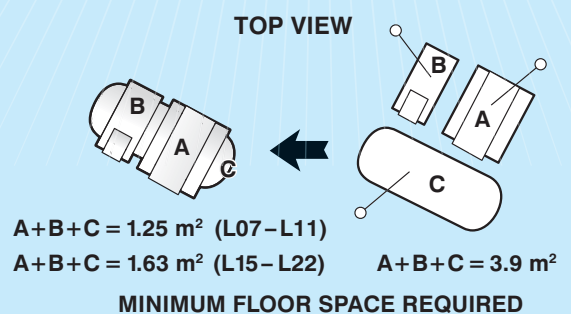
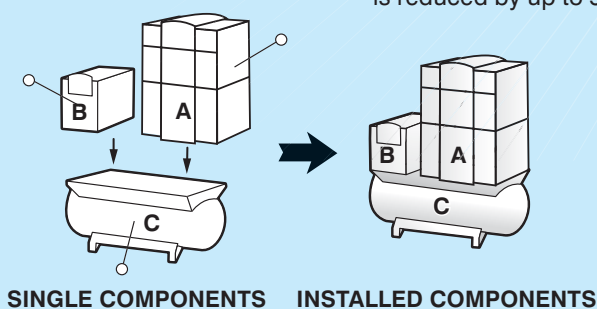
**AIR RECEIVER**

Built to EN 87/404 and AD2000



**SMALL FOOT PRINT**

By mounting the components on the receiver, the foot print required is reduced by up to 55%.



## ➤ TECHNICAL DATA

### ➤ L07–L22 SCREW COMPRESSOR

SCREW COMPRESSOR	TYPE	L07			L11			L15			L18			L22		
Nominal pressure	bar g	7.5	10	13	7.5	10	13	7.5	10	13	7.5	10	13	7.5	10	13
FAD <sup>1)</sup>	m <sup>3</sup> /min	1.30	1.06	0.85	1.82	1.61	1.32	2.70	2.26	1.80	3.25	2.74	2.34	3.65	3.21	2.61
Drive Motor	kW	7.5			11			15			18.5			22		
Voltage	V / Hz	400 / 50 / 3														
Noise Level <sup>2)</sup>	db (A)	70			70			70			71			71		
DIMENSIONS																
Length x Width x Height	mm	667 x 630 x 1050						787 x 698 x 1202								
Weight	kg	205			219			335			361			367		

### ➤ L07–L22 AIRSTATION

SCREW COMPRESSOR	TYPE	L07		L11		L15		L18		L22			
Nominal pressure	bar g	7.5	10	7.5	10	7.5	10	7.5	10	7.5	10		
FAD <sup>1)</sup>	m <sup>3</sup> /min	1.30	1.06	1.82	1.61	2.70	2.26	3.25	2.74	3.65	3.21		
Drive Motor	kW	7.5		11		15		18.5		22			
Voltage	V / Hz	400 / 50 / 3											
Noise Level <sup>2)</sup>	db (A)	70		70		70		71		71			
REFRIGERATION DRYER <sup>3)</sup>	TYPE	F11C		F16C		F26C		F36C		F36C			
Total Absorbed Power	kW	0.28		0.35		0.66		0.80		0.80			
Voltage	V / Hz	230 / 50 / 1											
Refrigerant	Type	R134a											
AIR RECEIVER	VOLUME	270 Litres				500 Litres							
Air Outlet		RP 3/4"				RP 1"							
DIMENSIONS													
Length x Width x Height	mm	1541 x 808 x 1577						1883 x 867 x 1825					
Weight	kg	356		371		560		615		620			

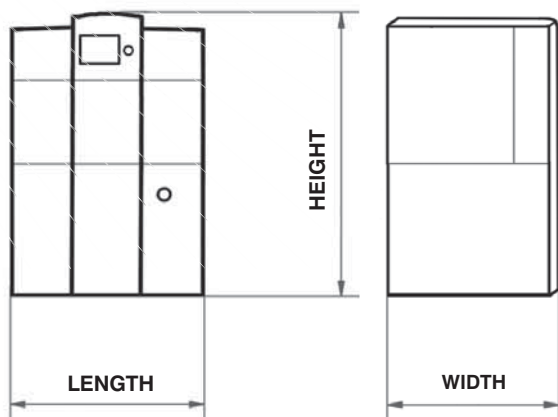
<sup>1)</sup> Data measured and stated in accordance with ISO 1217 Annex C and Pneurop/Cagi PN2CPTC2 and the following conditions:

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

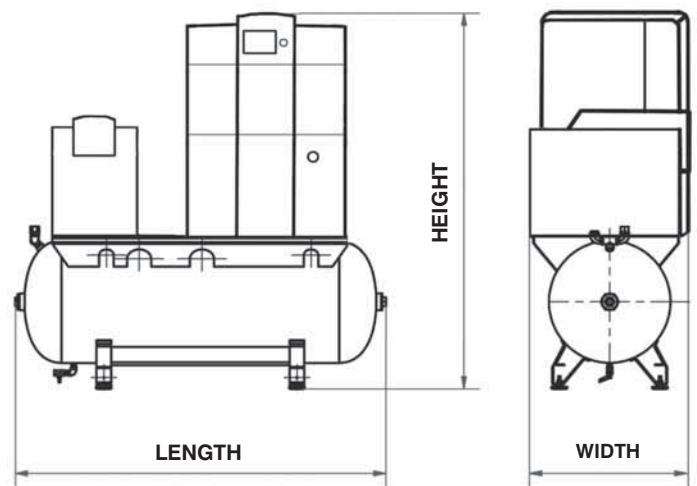
<sup>2)</sup> Measured in free field conditions in accordance with ISO 2151 and ISO 9614-2, tolerance ± 3dB(A).

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

### ➤ L07–L22 SCREW COMPRESSOR



### ➤ L07–L22 AIRSTATION



# GLOBAL INNOVATION FROM CompAir – WHATEVER THE APPLICATION

With nearly 200 years of experience in the marketplace, CompAir has built a complete range of compressed air and gas solutions to suit all applications.

From one of its five, world class manufacturing facilities in the UK, Germany, Italy, America and China, CompAir remains at the forefront of compressed air technology and development, resulting in a range of highly energy efficient compressors to meet the demands of the modern global market.

With an extensive network of dedicated distributors across 6 continents, CompAir offers global expertise with a truly local service.

We supply reliable, highly efficient compressors for a broad range of applications, including general industry, offshore, oil-free, construction and CNG refuelling.

CompAir offers one of the widest product ranges available, including the ancillaries and services required for a completely bespoke solution.



Simmern, Germany, the production facility for rotary screw compressors

### Lubricated

- Rotary Screw
- Rotary Vane
- Variable Speed
- Piston
- Portable

### Oil-Free

- Water Injected Screw
- Two Stage Screw
- Variable Speed
- Piston
- High speed centrifugal – Quantima®

### Complete Accessories Programme

- Filters and Dryers
- Heat Recovery
- Condensate Management
- Air Receivers
- Sequencers
- Lubricants

### Value Added Services

- Air Audit
- Performance Reporting
- Air Worx
- Leak Detection

### Complete Service for Compressed Air Technology

- Custom Engineered Solutions
- Local Service Centres
- Guaranteed Parts Availability
- Genuine CompAir Parts

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.

