Reliability & efficiency without compromise
Rotary Screw Compressors

Premium compressor design and industry leading warranty

7 – 11 kW
Fixed & Regulated Speed
The L-Series from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops and expands the L-Series to achieve optimum performance and efficiency and maximum flexibility. The wide range of screw compressors from 7 to 11 kW includes fixed and regulated speed models, high efficiency e-models and is available as airstation including receiver and refrigerant dryer.

<table>
<thead>
<tr>
<th>Standard Range Fixed &amp; Regulated Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pressure range</strong></td>
</tr>
<tr>
<td>5 to 13 bar</td>
</tr>
<tr>
<td><strong>Volume flow</strong></td>
</tr>
<tr>
<td>0.43 to 1.59 m³/min</td>
</tr>
<tr>
<td><strong>Motor power</strong></td>
</tr>
<tr>
<td>7.5 to 11 kW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>e Range Fixed &amp; Regulated Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pressure range</strong></td>
</tr>
<tr>
<td>5 to 13 bar</td>
</tr>
<tr>
<td><strong>Volume flow</strong></td>
</tr>
<tr>
<td>0.41 to 1.87 m³/min</td>
</tr>
<tr>
<td><strong>Motor power</strong></td>
</tr>
<tr>
<td>7.5 to 11 kW</td>
</tr>
</tbody>
</table>
Engineering excellence

Compressors are more than just a financial investment, they are a key component in ensuring that manufacturers, processors and operators receive consistent, high quality low cost air. The screw compression element is the heart of the compressor and therefore CompAir keeps the design and manufacture in-house, using the latest CNC rotor grinding machinery, coupled with online laser technology. The resulting reliability and performance ensure that operating costs will remain low throughout the compressor’s life.

Our top quality airends are covered by the new 10 years warranty and up to 44,000 hours*

* Whichever is soonest

Known for reliability, continuously developed in efficiency, extended with flexibility, unmatched in terms of warranty.

Under the new Assure warranty, which is completely free of charge, the airends are covered 10 years and up to 44,000 hours.
The right product to do the job

Standard range L07 to L11, RS
Fixed & regulated speed

Based on the individual customer requirements, the compressors can be combined with different options to provide maximum flexibility. The combined versions including receiver or/dryer are space saving solution – ideal where floor space is precious.

• Compressor base mounted
• Complete package including compressor, dryer and receiver

The stand alone compressors feature a very compact design with a class-leading footprint of just 0.4 m². In the combination with dryer and receiver the floor space can be optimised, in addition the installation is very easy.

In-house made airend

The high quality arends use state-of-the-art manufacturing techniques. They are designed with focus on reliability and efficiency. The rotors are accurate and thoroughly checked and measured by a computerised control system. The arends achieve a flat specific power consumption curve, which enables efficient use in wide rpm range.

Minimum floor space required

A + B + C = 1.25 m² (L07 - L11)  A + B + C = 3.9 m²
The range is equipped with reliable and highly efficient electric motors.

- International efficiency class 2 (IE3) as a standard
- IP 55 enclosure
- Full performance up to 46°C ambient temperature

The compressors are designed to ensure easy access to the maintenance points. The panels can be easily removed and the limited number of moving parts reduces service costs.

The automate tensioning of the belt assures long life of the belt, less maintenance and noise reduction.

New advanced controller
C-PRO 2.0 Ensures reliable operation and protecting your investment by continuously monitoring the operational parameters

The C-PRO 2.0 controller is designed to make the operators’ interface with the variable speed drive transparent. This new generation controller features extra functions for variable speed compressors like drive status display and flexible PID setting according the application. You don’t need to be an expert on variable speed drives to operate your compressor. The controller takes care of the details and automatically adjusts the compressor performance to meet your changing air system demands - saving you energy. Changing the discharge pressure is as easy as pressing a button.

- 3 analog inputs
- Multi-language
- Standard sequence control up to 8 units (up to 7 units fixed speed & 1 variable speed)
- Standard Modbus
- 15 failure records in memory
- Continuous system monitoring

Highly Efficient Motors

Easy maintenance

This range of screw compressors allows for ambient temperatures up to 46°C. The generously sized ventilation system ensures optimum cooling, low outlet air temperatures.
Best efficiency – Made in Germany

e-Range highly efficient compressors, fixed and regulated speed

The e-range of the L-Series are designed and manufactured in the Center of Excellence in Simmern, Germany. The most important component of a compressor, the airend, is also produced on this site. The engineering team develop aires which perfectly match the compressor requirements and achieve highest performance and efficiency levels. The engineering and manufacturing teams are proud to build this range, which is known in the market not only for the efficiency but also for the flexibility it offers. The compressors are available mounted on a receiver and with a dryer, providing a compact solution and minimum space requirement.

A design concept based on reliability and flexibility

- **Fully integrated airend**
  The advanced design of the high efficiency airend allows operation at low rotational speeds, and consequently lowers the energy costs. The innovative integrated design, including oil separation, oil filter and thermostatic valve, reduces the number of external hoses and components offering excellent reliability.

- **Combined air/oil cooler**
  Equipped with a bypass for rapid warm-up and control of the oil temperature, reducing wear, eliminating condensate in the compressor system and providing low air discharge temperature.

- **High efficiency electric motor**
  The compressors are equipped with an energy saving IE3 electric motor.

- **Automatic belt tensioning system**
  The maintenance-free system provides automatic and accurate belt tension and extends the belt life.

- **Factory-filled lubricant**
  Reduces service costs by extending the oil change period to up to 4,000 hours.

- **Low noise levels**
  Allows the compressor to be placed at the point of use.

- **Up to 45°C ambient temperature**
  Reliable operation, even in challenging environments.
Delcos Pro compressor controller

The control system ensures reliable operation and protects the investment by continuously monitoring 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 in clear readable text:

- Discharge/line pressure display
- Air/oil temperature display
- Total hours run and under load
- Service due indicator
- Enhanced fault log monitor
- Real time clock
- Timer controlled stop/start
- Remote start/stop
- Auto restart after power failure
- Second pressure setting
- Status indication
- RS485 - Modbus RTU

Ergonomic controller positioning

Controller can be positioned on top or front of the compressor.
AirPlus

The perfect response to individual air demand

Regulated speed compressors from CompAir can efficiently and reliably handle the varying air demand found in most plant air systems.

The annual cost of ownership can be significantly reduced using regulated speed technology.

CompAir RS features are your benefits

The L-RS Series products are designed to obtain the greatest efficiency across the entire operating range.

- Wide regulation range
  No cycles means substantial energy savings

- Perfect motor - drive - airend design
  High efficiency across broad flow range

Compressed air purification

A modern production system and process demands increasing levels of air quality. A CompAir compressed air system utilising the latest technology provides an energy efficient solution at lowest life cycle costs.

- Water Cyclone Separator X Series
- Compressed Air Filter CF Series
- Condensate Drain Bekomat System
- Compressed Air Refrigerant Dryer
- Heatless Desiccant Dryers
- Heat Regenerative Desiccant Dryers
- Nitrogen Generator
- SmartAir Master Multi Compressor Controllers
The best investment protection you can get

10 Years Warranty!
The CompAir Assure Warranty and Service programmes will assure you up to 44,000 hours/10 years 1). It is one of the most generous warranties available in the industry affording you total peace of mind.

Your benefits:
• The Assure warranty is totally free to the compressor owner 2)
• The CompAir authorised service provider will deliver a guaranteed quality of service
• An Assure service agreement underpinning the warranty will enable accurate maintenance, budgeting and cost of ownership
• The use of genuine CompAir parts and lubricants will maximise compressor life and efficiency

1) Warranty duration is limited to 6 years/44,000 hours on the whole package, 10 years/44,000 hours on the air end. Whichever is the soonest.
2) Subject to Terms & Conditions

Compact design – easy installation
The small footprint reduces the space required for installation.

Easy servicing
The design of these packages ensures that the service points are readily accessible. The enclosure side doors are hinged and removable to allow complete access to all service points. The reduced number of moving parts further lowers the maintenance costs.

CompAir genuine spare parts
Enjoy complete peace of mind.
Genuine CompAir parts and lubricants ensure that compressed air plant reliability and efficiency is maintained at the highest standards. CompAir spare parts and lubricants are distinguished by:
• Long service life, even under harshest conditions
• Minimum losses contributing to energy savings
• High reliability improves plant up-time
• Products manufactured with the strictest Quality Assurance Systems
### Standard Range

#### L07 - L11 Fixed Speed

<table>
<thead>
<tr>
<th>Compressor Model</th>
<th>Nominal Pressure [bar g]</th>
<th>Drive Motor [kW]</th>
<th>FAD $^{1)}$ [m³/min]</th>
<th>Noise Level $^{2)}$ [dB(A)]</th>
<th>Weight [kg]</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>L07</td>
<td>7</td>
<td>7.5</td>
<td>1.14</td>
<td>70</td>
<td>205</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td>0.99</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>0.97</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>0.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L11</td>
<td>7</td>
<td></td>
<td>1.59</td>
<td>70</td>
<td>219</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>11</td>
<td>1.58</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>1.39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>1.14</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### L07 RS - L11 RS Regulated Speed

<table>
<thead>
<tr>
<th>Compressor Model</th>
<th>Nominal Pressure [bar g]</th>
<th>Drive Motor [kW]</th>
<th>FAD $^{1)}$ [m³/min] min.</th>
<th>FAD $^{1)}$ [m³/min] max.</th>
<th>Noise Level at 70% load $^{2)}$ [dB(A)]</th>
<th>Weight [kg]</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>L07 RS</td>
<td>7</td>
<td>7.5</td>
<td>0.45</td>
<td>1.13</td>
<td>67</td>
<td>225</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td>0.46</td>
<td>0.98</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>0.43</td>
<td>0.95</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>0.45</td>
<td>0.77</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L11 RS</td>
<td>7</td>
<td>7.5</td>
<td>0.53</td>
<td>1.58</td>
<td>67</td>
<td>234</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td>0.52</td>
<td>1.56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>0.51</td>
<td>1.39</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>0.49</td>
<td>1.07</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### L07 - L11 / L07 RS - L11 RS Airstation

<table>
<thead>
<tr>
<th>Compressor Model</th>
<th>Nominal Pressure [bar g]</th>
<th>Refrigeration Dryer $^{3)}$ [type]</th>
<th>Air Receiver [Volume]</th>
<th>Air Outlet</th>
<th>Weight [kg]</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>L07 / L07RS</td>
<td>7</td>
<td>CTF12</td>
<td>270 litres 500 litres</td>
<td>RP ¾&quot;</td>
<td>340 / 360</td>
<td>1540 x 700 x 1643</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td>270 litres 500 litres</td>
<td></td>
<td>340 / 360</td>
<td>1885 x 700 x 1643</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>270 litres 500 litres</td>
<td></td>
<td>340 / 360</td>
<td>1885 x 700 x 1643</td>
</tr>
<tr>
<td>L11 / L11RS</td>
<td>7</td>
<td>CTF18</td>
<td>270 litres 500 litres</td>
<td>RP ¾&quot;</td>
<td>354 / 369</td>
<td>1540 x 700 x 1643</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td>270 litres 500 litres</td>
<td></td>
<td>354 / 369</td>
<td>1885 x 700 x 1643</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>270 litres 500 litres</td>
<td></td>
<td>354 / 369</td>
<td>1885 x 700 x 1643</td>
</tr>
</tbody>
</table>
### e - Range

#### L07e - L11e Fixed Speed

<table>
<thead>
<tr>
<th>Compressor Model</th>
<th>Nominal Pressure [bar g]</th>
<th>Drive Motor [kW]</th>
<th>FAD (^1) [m³/min]</th>
<th>Noise Level (^2) [dB(A)]</th>
<th>Weight [kg]</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>L07e</td>
<td>7.5</td>
<td>7.5</td>
<td>1.30</td>
<td>70</td>
<td>215</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>1.06</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>0.85</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L11e</td>
<td>7.5</td>
<td>11</td>
<td>1.87</td>
<td>70</td>
<td>225</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>1.61</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>1.32</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 Data measured and stated in accordance with ISO 1217 Ed. 4, Annex C & Annex E 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). For further specifications please refer to refrigerant dryer documentation.

#### L07e RS - L11e RS Regulated Speed

<table>
<thead>
<tr>
<th>Compressor Model</th>
<th>Nominal Pressure [bar g]</th>
<th>Drive Motor [kW]</th>
<th>FAD (^1) [m³/min]</th>
<th>Noise Level at 70% load (^2) [dB(A)]</th>
<th>Weight [kg]</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>L07e RS</td>
<td>7.5</td>
<td>7.5</td>
<td>0.48, 1.26</td>
<td>63</td>
<td>222</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>0.44, 1.01</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>0.41, 0.83</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L11e RS</td>
<td>7.5</td>
<td>11</td>
<td>0.63, 1.81</td>
<td>64</td>
<td>231</td>
<td>667 x 630 x 1050</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td>0.64, 1.56</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>13</td>
<td></td>
<td>0.57, 1.26</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### L07e - L11e / L07e RS - L11e RS Airstation

<table>
<thead>
<tr>
<th>Compressor Model</th>
<th>Nominal Pressure [bar g]</th>
<th>Refrigeration Dryer (^3) [type]</th>
<th>Air Receiver [Volume]</th>
<th>Air Outlet</th>
<th>Weight [kg]</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>L07e / L07e RS</td>
<td>7.5</td>
<td>F12HS-BO</td>
<td>270 litres</td>
<td>RP ¾&quot;</td>
<td>336 / 353</td>
<td>1541 x 695 x 1577</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L11e / L11e RS</td>
<td>7.5</td>
<td>F18HS-BO</td>
<td>270 litres</td>
<td>RP ¾&quot;</td>
<td>350 / 362</td>
<td>1541 x 695 x 1577</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Data measured and stated in accordance with ISO 1217 Ed. 4, Annex C & Annex E 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). For further specifications please refer to refrigerant dryer documentation.
With over 200 years of engineering excellence, the CompAir brand offers an extensive range of highly reliable, energy efficient compressors and accessories to suit all applications.

An extensive network of dedicated CompAir sales companies and distributors across all continents provide global expertise with a truly local service, ensuring our advanced technology is backed up with the right support.

As part of the worldwide Gardner Denver operation, CompAir has consistently been at the forefront of compressed air systems development, culminating in some of the most energy efficient and low environmental impact compressors on the market today, helping customers achieve or surpass their sustainability targets.

CompAir compressed air product range

**Advanced Compressor Technology**

**Lubricated**
- Rotary Screw
  - Fixed and Regulated Speed
- Piston
- Portable

**Oil-Free**
- Water Injected Screw
  - Fixed and Regulated Speed
- Two Stage Screw
  - Fixed and Regulated Speed
- Piston
- High Speed Centrifugal - Quantima®
- Rotary Scroll

**Complete Air Treatment Range**
- Filter
- Refrigerant and Desiccant Dryer
- Condensate Management
- Heat of Compression Dryer
- Nitrogen Generator

**Modern Control Systems**
- CompAir DELCOS Controllers
- SmartAir Master Sequencer
- iConn - Smart Flow Management

**Value Added Services**
- Professional Air Audit
- Performance Reporting
- Leak Detection

**Leading Customer Support**
- Custom Engineered Solutions
- Local Service Centres
- Genuine CompAir Parts and Lubricants

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.