



# Reliability & efficiency without compromise

Rotary Screw Compressors



Premium compressor design

**L02 - L05  
L-AIRSTATION**



# High reliability – Low service costs

## The L-Series from CompAir

Well known in the industry for quality and reliability, CompAir continuously develops the L-Series to achieve cutting edge performance and efficiency. The L02-L05 range of lubricated screw compressors comprises of many different models and versions to allow maximum flexibility.

### ▶ Pressure range

10 bar

### ▶ Volume flow

0.24 to 0.67 m<sup>3</sup>/min

### ▶ Motor power

2.2 to 5.5 kW



## 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.

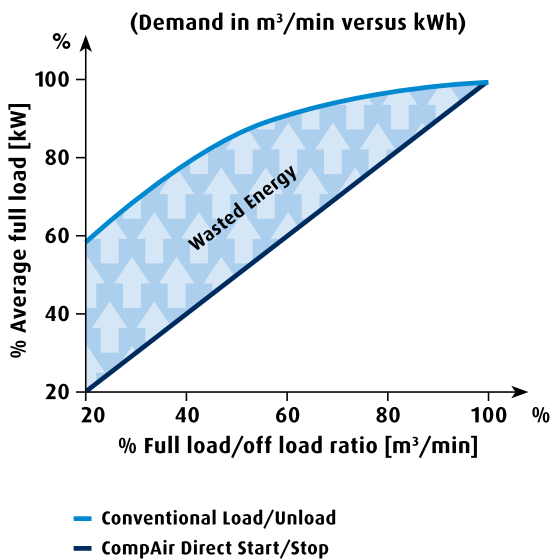
## Engineered for total piece of mind

Thanks to the user-friendly design, these compressors are easy to use, easy to install and fully ready for plug and play. Designed with a minimum number of moving parts, the compressors are very reliable, robust and capable to run continuously. With fully removable side panels they are quick and easy to maintain and service, minimising the downtime and maximising the reliability.



## Energy saving control

Direct stop/start control ensures that the compressor only runs when there is a demand for air. Unlike compressors which run off-load, the idling of the L02-L05 compressors gets eliminated as well as the associated idling energy costs.



## Low noise levels L02 and L03 only 61dB(A)!

Thanks to the low noise levels, the compressors can be installed at point of use requiring no additional cost for a separate compressor room or expensive pipework.



## Compact & Flexible

- ▶ **Star-Delta or DOL starting**  
Ensures maximum flexibility to suit individual applications
- ▶ **Reliable electric motor**  
IP55, F-class insulation
- ▶ **Safety devices for**
  - Motor over temperature
  - Compressor over temperature, trip at 110°C
  - Compressor over temperature (safety valve)
- ▶ **Receiver mounted**  
High quality receiver built to EN87/404 (AD2000).
- ▶ **Airstation**  
Equipped with high performance dryer featuring intelligent control system for low pressure losses.
  - Pressure dew point +3°C (ISO 7183, A)
  - Environmentally friendly refrigerant R134a
  - Digital controller displaying:
    - Dew point indication
    - Additional energy saving mode
    - Maintenance display
    - Fault memory
- ▶ **Small footprint**  
The compressor itself requires a minimum floor space of only 62 x 60 cm, with the receiver mounted models being exceptionally space-saving.

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CompAir lubricated rotary screw compressors incorporate the very latest technological advances and guarantee a continuous supply of high quality compressed air.

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## Maximum flexibility

Based on the individual customer requirements the compressors can be combined with different options to provide everything from a stand alone compressor to the complete airstation.

The options include:



Compressor base mounted



Receiver mounted compressor



Complete airstation including compressor, dryer and receiver

## User-friendly control system

The Start/Stop operation ensures no idling time and no idling energy costs. The L02-L05 as standard are equipped with Start/Stop control and direct online starting. Hour meter and pressure gage are also included.

The L04-L05 compressors as a premium option are equipped with Star-Delta starting and the electronic AirBasic 2 controller, which provides the user with data on total hours of operation, operating temperature and additional information such as:

- Air filter replacement
- Oil filter replacement
- Separator filter replacement
- Oil change
- Regular maintenance advice
- Pressure setting can be easily adjusted via the controller



With Star-Delta the compressor can be set to unloaded running with timed stop adjustable between 0 and 3 minutes.

## Optional equipment

- L04-L05 available with Star-Delta starting and AirBasic 2 controller. Pressure sensor for pressure control
- L04-L05 with larger 500 liter receiver
- Prefilter and microfilter combination
- Timed or float drains for receiver mounted units
- Refrigerant dryer L02-L05 with guaranteed best performance combined with low pressure losses

# CompAir L-Series - Technical Data

## Base Mounted

Compressor Model	Maximum Pressure [bar g]	FAD @ 10 bar/145 psi <sup>1)</sup> [m <sup>3</sup> /min]	Motor [kW (hp)]	Starter Options	Controller Options	Receiver Size [l]	Noise Level <sup>2)</sup> [dB(A)]	Weight [kg]	Dimensions LxWxH [mm]
L02 - (230 V)	10	0.21	2.2 (3)	DOL	Pressure Switch	-	61	100	620 x 600 x 840
L02	10	0.24	2.2 (3)	DOL	Pressure Switch	-	61	100	620 x 600 x 840
L03	10	0.36	3 (4)	DOL	Pressure Switch	-	61	100	620 x 600 x 840
L04	10	0.53	4 (5)	DOL	Pressure Switch	-	62	105	620 x 600 x 840
L05	10	0.67	5.5 (7)	DOL	Pressure Switch	-	66	105	620 x 600 x 840
L04	10	0.53	4 (5)	Star-Delta	AirBasic2	-	62	105	620 x 600 x 840
L05	10	0.67	5.5 (7)	Star-Delta	AirBasic2	-	66	105	620 x 600 x 840

## Receiver Mounted

Compressor Model	Maximum Pressure [bar g]	FAD @ 10 bar/145 psi <sup>1)</sup> [m <sup>3</sup> /min]	Motor [kW (hp)]	Starter Options	Controller Options	Receiver Size [l]	Noise Level <sup>2)</sup> [dB(A)]	Weight [kg]	Dimensions LxWxH [mm]
L02 - 200 (230 V)	10	0.21	2.2 (3)	DOL	Pressure Switch	200	61	165	1450 x 600 x 1355
L02 - 200	10	0.24	2.2 (3)	DOL	Pressure Switch	200	61	165	1450 x 600 x 1355
L03 - 200	10	0.36	3 (4)	DOL	Pressure Switch	200	61	165	1450 x 600 x 1355
L04 - 200	10	0.53	4 (5)	DOL	Pressure Switch	200	62	170	1450 x 600 x 1355
L04 - 500 <sup>4)</sup>	10	0.53	5.5 (7)	DOL	Pressure Switch	500	62	255	1950 x 680 x 1520
L05 - 200	10	0.67	5.5 (7)	DOL	Pressure Switch	200	66	170	1450 x 600 x 1355
L05 - 500 <sup>4)</sup>	10	0.67	5.5 (7)	DOL	Pressure Switch	500	66	255	1950 x 680 x 1520
L04 - 200	10	0.53	4 (5)	Star-Delta	AirBasic2	200	62	170	1450 x 600 x 1355
L04 - 500 <sup>4)</sup>	10	0.53	4 (5)	Star-Delta	AirBasic2	500	62	255	1950 x 680 x 1520
L05 - 200	10	0.67	5.5 (7)	Star-Delta	AirBasic2	200	66	170	1450 x 600 x 1355
L05 - 500 <sup>4)</sup>	10	0.67	5.5 (7)	Star-Delta	AirBasic2	500	66	255	1950 x 680 x 1520

## AIRSTATION<sup>3)</sup>

Compressor Model	Maximum Pressure [bar g]	FAD @ 10 bar/145 psi <sup>1)</sup> [m <sup>3</sup> /min]	Motor [kW (hp)]	Starter Options	Controller Options	Receiver Size [l]	Noise Level <sup>2)</sup> [dB(A)]	Weight [kg]	Dimensions LxWxH [mm]
L02FS - 200 (230 V)	10	0.21	2.2 (3)	DOL	Pressure Switch	200	61	212	1450 x 600 x 1355
L02 FS - 200	10	0.24	2.2 (3)	DOL	Pressure Switch	200	61	212	1450 x 600 x 1355
L03 FS - 200	10	0.36	3 (4)	DOL	Pressure Switch	200	61	212	1450 x 600 x 1355
L04 FS - 200	10	0.53	4 (5)	DOL	Pressure Switch	200	62	213	1450 x 600 x 1355
L04 FS - 500 <sup>4)</sup>	10	0.53	4 (5)	DOL	Pressure Switch	500	62	290	1950 x 680 x 1520
L05 FS - 200	10	0.67	5.5 (7)	DOL	Pressure Switch	200	66	217	1450 x 600 x 1355
L05 FS - 500 <sup>4)</sup>	10	0.67	5.5 (7)	DOL	Pressure Switch	500	66	295	1950 x 680 x 1520
L04 FS - 200	10	0.53	4 (5)	Star-Delta	AirBasic2	200	62	213	1450 x 600 x 1355
L04 FS - 500 <sup>4)</sup>	10	0.53	4 (5)	Star-Delta	AirBasic2	500	62	290	1950 x 680 x 1520
L05 FS - 200	10	0.67	5.5 (7)	Star-Delta	AirBasic2	200	66	217	1450 x 600 x 1355
L05 FS - 500 <sup>4)</sup>	10	0.67	5.5 (7)	Star-Delta	AirBasic2	500	66	295	1950 x 680 x 1520

1) Data measured and stated in accordance with ISO 1217 Ed. 4, 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, tolerance ± 3 dB(A)

3) The refrigerant dryer requires a separate electric supply. Data refer to ISO 7183, A; pressure dew point 3° C

4) 500 ltr receiver option not available with AD2000



# Global experience – truly local service

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®

### 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

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.

### Value Added Services

- Professional Air Audit
- Performance Reporting
- Leak Detection

### Leading Customer Support

- Custom Engineered Solutions
- Local Service Centres
- Genuine CompAir Parts and Lubricants

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