CompAir

SUSTAINABLE MANUFACTURING

Reliability & efficiency **without compromise**

Rotary Screw Compressors

L-Series
2.2 - 7.5 kW

Premium compressor design

CompAir

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-L06 range of lubricated screw compressors comprises of many different models and versions to allow maximum flexibility.

Pressure range
10 bar

Volume flow
0.18 to 0.9 m³/min

Motor power
2.2 to 7.5 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. The new canopy design of the compressors guarantees a quick and easy maintenance, minimising the downtime and maximising the reliability.

LOW NOISE

Compact & Flexible

Reliable electric motor

IP55, F-class insulation, IE3 class

Safety devices for

- Motor over temperature
- Compressor over temperature
- Airend rotation

Receiver mounted

High quality receiver built to EN87/404 (AD2000)

Airstation

Equipped with high performance dryer featuring intelligent control system for low pressure losses.

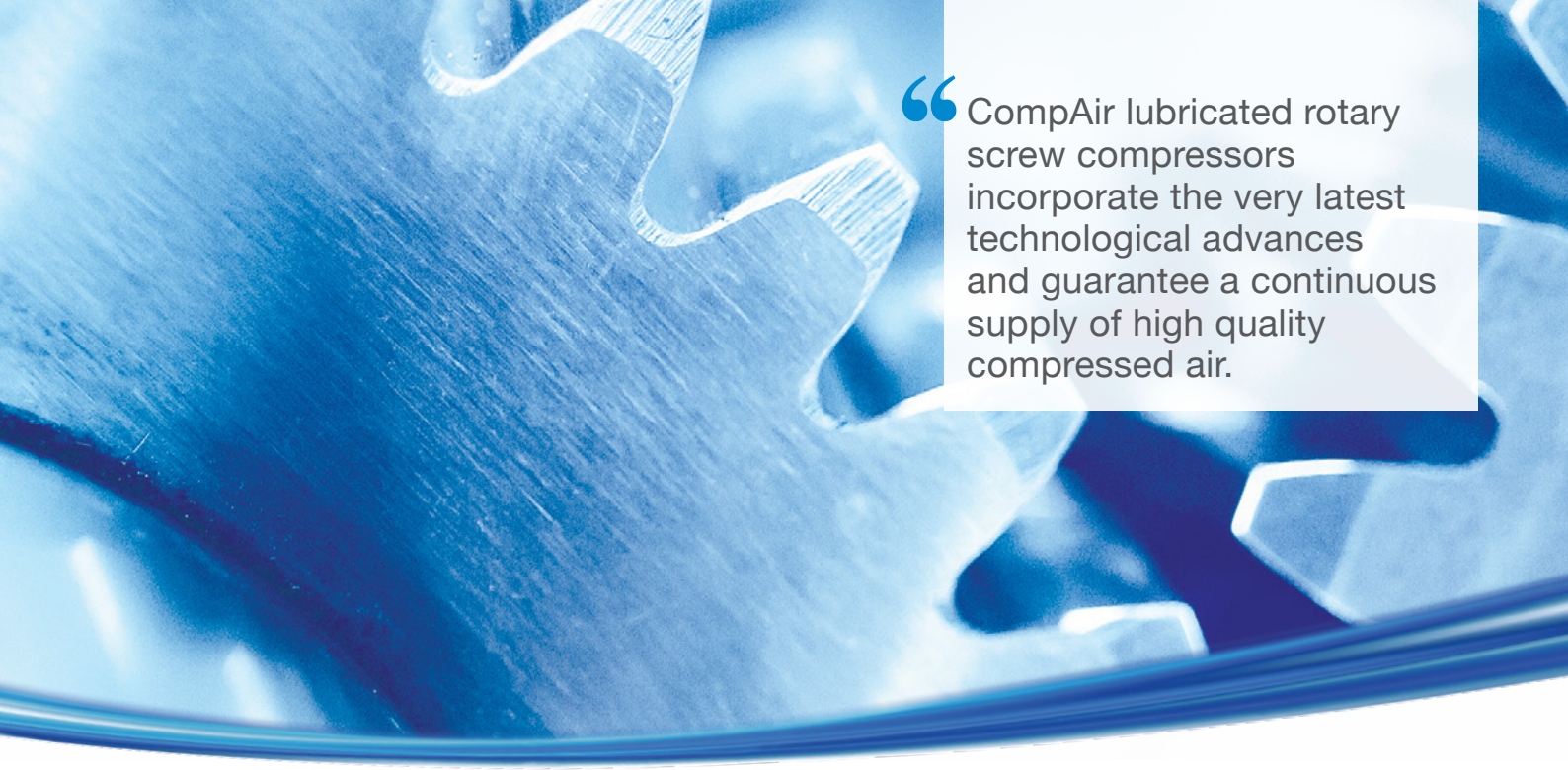
- Pressure dew point +3°C (ISO 7183, A)
- Environmentally friendly refrigerant R134a
- Digital controller displaying:
  - Dew point indication
  - Additional energy saving mode
  - Maintenance display
  - Fault memory

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.

4 - 7.5kW extended features

- Star Delta starter is included as standard from 4 up to 7.5kW
- 5.5 + 7.5 kW variants include an after cooler also as standard to optimise air quality and minimise the size of downstream needed



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

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

New C-Pro1.0+
User-friendly control system

The new compressor controller C-Pro1.0+ is equipped as standard for all models and provides information about pressure, oil temperature and compressor status (load/unload) together in one display and offers many useful features, such as:

- Communication port RS485 supporting Modbus
- Integrated sequencer for easy control for 2 compressors
- Plastic box for higher IP protection degree
- Auto restart after black-out
- Password protection
- Air and oil filter replacement
- Separator filter replacement and oil change
- Pressure setting easily adjustable
- Unload timer for both DOL & SDS

Optional **equipment**

- Receivers available at 270lt and 500lt for L04-L06
- Prefilter and microfilter combination
- Timed or float drains for receiver mounted units and airstation

CompAir L-Series - Technical Data

Base Mounted

Compressor Model	Maximum Pressure [bar g]	FAD @ 10 bar/145 psi [1] [m³/min]	Motor [kW]	Motor [hp]	Starter Options	Receiver Size [l]	Noise Level [2] [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L02 - (230 V)	10	0.18	2.2	3	DOL	-	63	151	600 x 650 x 1100
L02	10	0.21	2.2	3	DOL	-	63	151	600 x 650 x 1100
L03	10	0.35	3	4	DOL	-	64	151	600 x 650 x 1100
L04	10	0.45	4	5	Star-Delta	-	67	154	600 x 650 x 1100
L05	10	0.66	5.5	7	Star-Delta	-	68	173	600 x 650 x 1100
L06	10	0.89	7.5	10	Star-Delta	-	70	179	600 x 650 x 1100

Receiver Mounted

Compressor Model	Maximum Pressure [bar g]	FAD @ 10 bar/145 psi [1] [m³/min]	Motor [kW]	Motor [hp]	Starter Options	Receiver Size [l]	Noise Level [2] [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L02- 270 (230V)	10	0.18	2.2	3	DOL	270	63	242	1539 x 720 x 1604
L02- 270	10	0.21	2.2	3	DOL	270	63	242	1539 x 720 x 1604
L03-270	10	0.35	3	4	DOL	270	64	242	1539 x 720 x 1604
L04-270	10	0.45	4	5	Star-Delta	270	67	245	1539 x 720 x 1604
L04-500	10	0.45	4	5	Star-Delta	500	67	314	1885 x 720 x 1700
L05-270	10	0.66	5.5	7	Star-Delta	270	68	263	1539 x 720 x 1604
L05-500	10	0.66	5.5	7	Star-Delta	500	68	333	1885 x 720 x 1700
L06-270	10	0.89	7.5	10	Star-Delta	270	70	269	1539 x 720 x 1604
L06-500	10	0.89	7.5	10	Star-Delta	500	70	339	1885 x 720 x 1700

AIRSTATION[3]

Compressor Model	Maximum Pressure [bar g]	FAD @ 10 bar/145 psi [1] [m³/min]	Motor [kW]	Motor [hp]	Starter Options	Receiver Size [l]	Noise Level [2] [dB(A)]	Weight [kg]	Dimensions L x W x H [mm]
L02FS- 270 (230V)	10	0.18	2.2	3	DOL	270	63	261	1539 x 720 x 1604
L02FS- 270	10	0.21	2.2	3	DOL	270	63	261	1539 x 720 x 1604
L03FS-270	10	0.35	3	4	DOL	270	64	261	1539 x 720 x 1604
L04FS-270	10	0.45	4	5	Star-Delta	270	67	270	1539 x 720 x 1604
L04FS-500	10	0.45	4	5	Star-Delta	500	67	339	1885 x 720 x 1700
L05FS-270	10	0.66	5.5	7	Star-Delta	270	68	289	1539 x 720 x 1604
L05FS-500	10	0.66	5.5	7	Star-Delta	500	68	358	1885 x 720 x 1700
L06FS-270	10	0.89	7.5	10	Star-Delta	270	70	295	1539 x 720 x 1604
L06FS-500	10	0.89	7.5	10	Star-Delta	500	70	364	1885 x 720 x 1700

[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

2 YEAR GUARANTEE

CE

tüv CERT DIN ISO 9001/ EN 29001 Certificate: 5168

Innovation & Engineering Excellence

A leading global manufacturer of a wide range of world-class compressed air solutions, CompAir is dedicated to providing a complete solution for our industry partners. From the latest advances in oil-free and oil-lubricated technologies to a complete range of downstream equipment, air treatment and accessories.

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

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
- Portable
- Vane

Oil-Free

- Water Injected Screw
  - > Fixed and Regulated Speed
- Two Stage Screw
  - > Fixed and Regulated Speed
- Rotary Scroll
- Ultima®

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 Plus Sequencer
- iConn - Smart Compressor Service

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.

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