

Reliability & Efficiency without Compromise

Rotary Screw Compressors



Premium compressor design
and industry leading warranty

LB Series L03b-L04b-L05b

High reliability – Low service costs

The LB-Series from CompAir

Well known in the industry for quality and reliability, CompAir upgrades the LB Series to achieve cutting edge performance and efficiency. The L03b-L05b range of lubricated screw compressors comprises of many different models and versions to allow maximum flexibility.

▶ Pressure Range

10 bar

▶ Volume Flow

0.39 to 0.76 m³/min

▶ Motor Power

3 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. The new canopy design of the compressors guarantees a quick and easy maintenance, minimising the downtime and maximising the reliability.



Compact & Flexible

▶ Reliable Electric Motor

IP55, F-class insulation, IE2 class

▶ Safety Devices for

- Motor over temperature
- Compressor over temperature
- Aired rotation

▶ Receiver Mounted

High quality receiver built to meet global regulations / standards

▶ Airstation

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

- Pressure dew point +3 to +7 (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 with the receiver mounted models being exceptionally space-saving.

▶ Extended Features

- DOL starter is included as standard from 3.0 up to 5.5 kW
- All variants include an after cooler also as standard to optimise air quality and minimise the size of downstream needed.

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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 tank mount compressor to the complete airstation.

The options include:



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

Optional equipment

- Prefilter and microfilter combination
- Timed or float drains for receiver mounted units and airstation



LB Series - Technical Data

L03b-L04b-L05b

Compressor Model	Max. Pressure [barg]	Drive Motor [kW]	Capacity (FAD) ¹⁾		Tank Mount Version		Full System/Air Station Version	
			[m ³ /min]	[CFM]	Dimensions L x B x H [mm]	Weight [kg]	Dimensions L x B x H [mm]	Weight [kg]
L03b	7	3	0.39	13.8	1586 x 678 x 1472	268	1525 x 678 x 1472	300
	10	3	0.31	11	1586 x 678 x 1472	268	1525 x 678 x 1472	300
L04b	7	4	0.57	20	1586 x 678 x 1472	274	1525 x 678 x 1472	306
	10	4	0.42	15	1586 x 678 x 1472	274	1525 x 678 x 1472	306
L05b	7	5.5	0.76	27	1586 x 678 x 1472	279	1525 x 678 x 1472	311
	10	5.5	0.62	21.8	1586 x 678 x 1472	279	1525 x 678 x 1472	311

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

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, dryers 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.

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*
- Piston
- Portable

Oil-Free

- Two Stage Rotary Screw*
- Water Injected Screw*
- 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 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 Centers
- Genuine CompAir Parts and Lubricants

* These range of units are available in Fixed and Regulated Speed versions.

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.