



L Series

L30–L110, Frame 3, 4, 5
Rotary Screw Compressors



Engineered to Save

➤ COMPAIR'S ENERGY SAVING MACHINES COMPRESS NOT ONLY AIR BUT ALSO:

- Your Energy Costs
- Your Maintenance Bills
- The Noise Level
- The Footprint
- The Environmental Burden

Oil-Injected Rotary Screw Compressors

The new range of CompAir oil-injected rotary screw compressors incorporate the very latest technological advances and manufacturing processes to provide users with a continuous supply of economic and reliable high quality compressed air.

Compact Design

The small footprint reduces the space required for installation. As the doors can be removed in seconds this allows full access for easy maintenance.

Enclosure Prefilter and Heavy Duty Intake Filter

Protects the compressor and with 99% efficiency ensures only the highest quality air enters the airend.

Premium Efficiency Airend

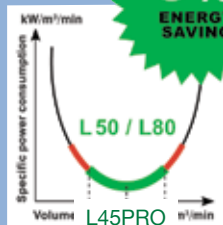
The high output compression element with slow rotational speed reduces energy costs. In addition to this, the innovative design of the fail safe shaft seal, integrated oil filter and oil regulation valve, ensures external hoses are reduced to a minimum to guarantee the highest levels of quality and reliability are achieved.

Energy Saving Electric Motor

The compressors are equipped with 2-pole TEFC IP55 energy saving high efficiency electric motor which reduces CO₂ emissions.

L45PRO

The extension of the 45 kW class with L45PRO allows 8% energy saving. Utilizing the premium sized airend with optimized rotor tip speed, the compressor works more efficiently and furthermore lowers the noise level.



Best performance for optimal volume flow — AirEnd Performance



Built-In Intelligent Controls

Precise operational control is essential to reduce running costs. All CompAir rotary screw compressors are supplied with intelligent, fully electronic controllers with efficient compressor monitoring and user-friendly menus. This system optimizes performance to demand and monitors operating parameters of the unit on site and remotely.

Thermostatically Controlled Motor Driven Fan

High efficiency extremely quiet fan allows the compressor to be operated in the work place, and achieves the maximum duct length without assistance.

Features	Benefits
High efficiency airend	<ul style="list-style-type: none"> • Reduces power cost • High free air delivery • Highest reliability • Slow rotational speed
High efficiency IP55 motor	<ul style="list-style-type: none"> • Reduces energy consumption • High level of protection
Automatic motor lubrication system	<ul style="list-style-type: none"> • Long bearing life • Zero maintenance
DELCOS XL controller	<ul style="list-style-type: none"> • Easy to use • Touch screen • Protects your compressor • Ensures safe operation • Ability to control other compressors
Compact design	<ul style="list-style-type: none"> • Small footprint • Low installation costs
Thermostatically controlled fan	<ul style="list-style-type: none"> • Low noise levels • Up to 10 m ducting length
Direct drive	<ul style="list-style-type: none"> • High reliability • High efficiency
ASSURE™ Warranty	<ul style="list-style-type: none"> • Total peace of mind

Large Surface Aftercooler

Optimum cooling to ensure low operating and discharge temperatures.

Highest Quality Hoses

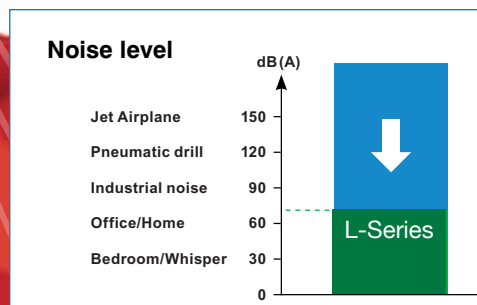
Solid hoses, with viton victaulic couplings increase reliability, and are easy to maintain.

Automatic Motor Lubrication System

Increases bearing life and is maintenance free.

High Performance Separator Filter

Two stage filtration ensures highest quality air is delivered to your system < 3 ppm oil carryover. The vessel has a hinged cover for easy maintenance.



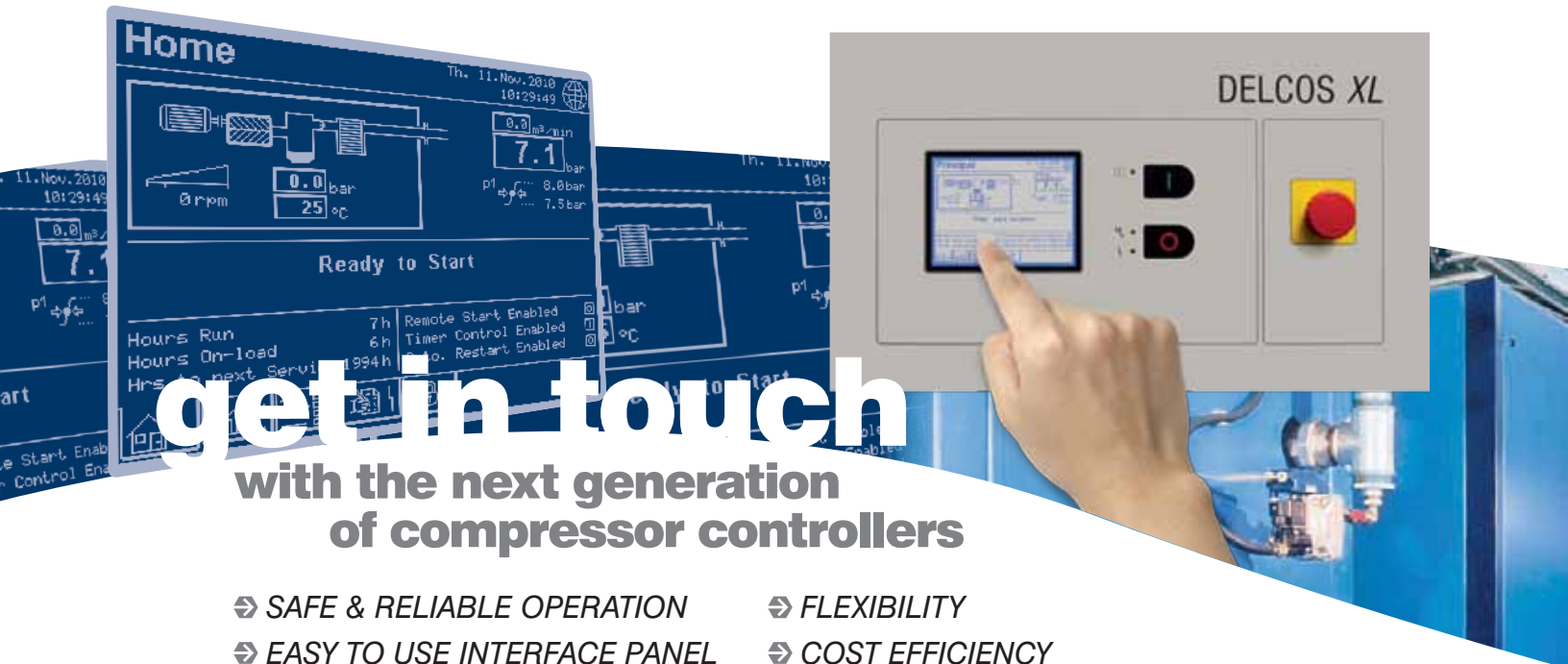
Compressor Models	
Frame 3	L30, L37, L45, L45PRO
Frame 4	L55, L75
Frame 5	L90, L110

⇒ INTELLIGENT CONTROLLER TECHNOLOGY BY COMPAIR

DELCOS XL: Innovative Touch Screen Compressor Controller

The DELCOS XL, with its high resolution touch screen display, is extremely **intuitive** and user-friendly. All functions are clearly structured in five main menus and are **easily navigated**.

The multilingual DELCOS XL control system ensures reliable operation and protects your investment by continuously monitoring the operational parameters, which is essential for reducing your running costs.



get in touch
with the next generation
of compressor controllers

⇒ SAFE & RELIABLE OPERATION ⇒ FLEXIBILITY
⇒ EASY TO USE INTERFACE PANEL ⇒ COST EFFICIENCY

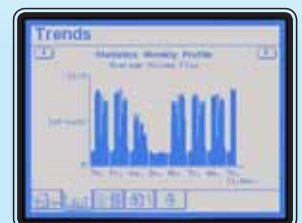
Trend Diagrams

DELCOS XL has the ability to display detailed system analysis in the form of trend diagrams and also graphs operating parameters which can be precisely set to maximize the efficiency.

- Line/Network Pressure
- Motor Speed (Regulated Speed)
- On Load Hours/Total Hours Run & Average Volume Flow
- Weekly Average Volume Flow

Features & Functions

- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping
- Second Pressure Setting
- Integrated Cooling & Dryer Control
- Fault History Log – for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power Failure
- Optional SD Card – stores several run characteristics



SmartAir Master: Highly Efficient Multi-Compressor Control System (Optional)

Modern compressed air systems are required to be more energy efficient, reliable and meet higher standards of safety than ever before.

The SmartAir Master can efficiently control up to 12 compressors of any combination, fixed or variable speed, and will reduce energy consumption by tightening the network pressure to the smallest

possible band, keeping off-load running to the absolute minimum.

Demand responsive operation ensures that where multi-capacity compressors are installed, only the correct combinations of compressors are selected to meet the system demand, resulting in maximum energy savings.



Benefits at a Glance

- User-friendly and intuitive color graphics displayed via touch screen
- Maximum energy and cost savings by reducing off-load times to a minimum
- Simple installation with low cabling costs using a data cable with a “bus structure”
- Complete overview of the status of the entire compressed air station
- The DELCOS controllers can be connected without any additional hardware

➤ GENUINE SPARE PARTS

Enjoy complete peace of mind with CompAir

Genuine CompAir spare 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 the following characteristics:

- Long service life, even under the harshest conditions
- Minimal losses contributing to energy savings
- High reliability improves plant “up time”
- Products manufactured within the strictest Quality Assurance Systems

Immediate availability of spare parts and lubricants

CompAir's stock control policy makes use of best practice found in the aerospace and automotive industries. This ensures that the most appropriate spare parts and lubricants are available on demand, guaranteed. This guarantee of the availability of parts applies throughout the service life of your installation, whatever the purchase date of your compressor.



Advanced Design – Easy Servicing

The design of these packages assures 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 also lowers maintenance costs.

TECHNICAL DATA

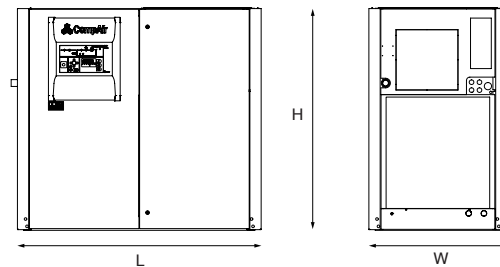
Compressor Model		Frame 3										
		L30			L37			L45			L45PRO	
Normal Pressure	psi g	100	125	190	100	125	190	100	125	190	100	125
	bar g	7.5	9	13	7.5	9	13	7.5	9	13	7.5	9
Drive Motor	HP	40			50			60			60	
	kW	30			37			45			45	
FAD *	Scfm	203.7	187.5	154.3	241.7	226.3	186	278.7	260.8	214.5	304.7	279.7
	m³/min	5.75	5.11	4.36	7.1	6.17	5.3	8	7	6.11	8.67	7.92
Noise Level	dB(A)	67			68			69			67	
Weight	Lbs (kg)	2035(923)			2130(966)			2178(988)			2326(1055)	
Dimensions	LxWxH INS.	68x36x65			68x36x65			68x36x65			68x36x65	
	LxWxH MM	1722 x 920 x 1659			1722 x 920 x 1659			1722 x 920 x 1659			1722 x 920 x 1659	
Discharge Pipe Size	NPT	1.5"			1.5"			1.5"			1.5"	

Compressor Model		Frame 4						Frame 5					
		L55			L75			L90			L110		
Normal Pressure	psi g	100	125	190	100	125	190	100	125	190	100	125	190
	bar g	7.5	9	13	7.5	9	13	7.5	9	13	7.5	9	13
Drive Motor	HP	75			100			125			150		
	kW	55			75			90			110		
FAD *	Scfm	381	351	290	475	445	372	627.1	573.5	472.2	727.7	683.5	569.8
	m³/min	10.69	9.51	8.24	13.74	12.44	10.43	17.45	15.47	13.45	20.77	18.63	16.21
Noise Level	dB(A)	73			75			75			77		
Weight	Lbs (kg)	3803(1725)			3892(1765)			5551(2513)			5860(2614)		
Dimensions	LxWxH INS.	85 x 76 x 48			85 x 76 x 48			92 x 54 x 80			92 x 54 x 80		
	LxWxH MM	2158 x 1223 x 1971			2158 x 1223 x 1971			2337 x 1368 x 2039			2337 x 1368 x 2039		
Discharge Pipe Size	NPT	2"			2"			2.5"			2.5"		

*Data measured and stated in accordance with ISO 1217 Annex C and the following conditions: Air Intake Pressure 1 bar a, Air Intake Temperature 20°C, Humidity 0% (Dry)

***Measured in free field conditions in accordance with the ISO 2151

***Flow capacities to ISO 7138 refer to a working pressure of 7 bar, an inlet temperature of 35°C and an ambient temperature of 25°C, saturated/dew point to ISO 8573-1



Protection you can count on.

Aftermarket Parts & Lubricants

Protect the Investment in CompAir

Regular maintenance and service of CompAir product is critical to the performance and longevity of the equipment. Only CompAir can provide the assurance that the investment will provide a lifetime of productivity.

Reliability

Only CompAir can provide aftermarket parts and services that are engineered for use in CompAir products. The parts and lubricant have been tested under rigorous conditions at the factory to the highest quality standards.

Performance

Only CompAir can provide aftermarket parts designed specifically for the CompAir product. Use of OEM parts ensures that the investment in CompAir will continue to perform year in and year out with the same reliability and efficiency.

Ease of Doing Business

Only CompAir can provide the peace of mind of turning to one supplier and one source for all aftermarket needs. CompAir has the support network in place to handle all customer service, service and technical support needs.

Value

Only CompAir can provide the high quality aftermarket parts and services for the life of the investment in CompAir. Proper care of the CompAir product is vital to the equipment's performance and efficiency. Lean on a trusted source — CompAir.



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