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CompAir

by Gardner Denver

Reliability & efficiency without compromise

Rotary Screw Compressors

INDUSTRY 4.0



PROTECT



Extended Warranty for GD Compressors

Premium compressor design
and industry leading warranty

L Series, Li Series & L+ Series
07 Kw - 290 Kw
Fixed & Regulated Speed

Gardner Denver in India



Our Vision & Values

Our vision is to become the industry's first choice for mission-critical vacuum, pressure and flow control solutions.

Our mission is to serve customers with intense focus on their requirements, continuous product innovation and a disciplined performance culture.



Indian Manufacturing Facility

Established in 2014, the 6100 square meters of state-of-the-art facility in Ahmedabad, Gujarat is fully equipped to maximize volume based production and storage. We have globally trained professionals in various departments who help to make products which meet global standards and keep them up to date with the latest innovations.

We have a global Engineering Service Group located at our Ahmedabad plant that is serving R&D centers and Manufacturing facilities of Gardner Denver across the globe. With a wide product portfolio and experienced professionals to handle it, we are capable of customization to the highest level to meet an application based demand.



The L-Series from CompAir

Well known in the industry for quality and reliability CompAir continuously develops the L-Series achieving cutting edge performance and efficiency. The L07-L290 range of lubricated screw compressors comprises of fixed speed and regulated speed (RS) models.

- ▶ **Pressure range**
5 to 13 bar
- ▶ **Volume flow**
17 to 1670 CFM
- ▶ **Motor power**
7.5 to 250 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.

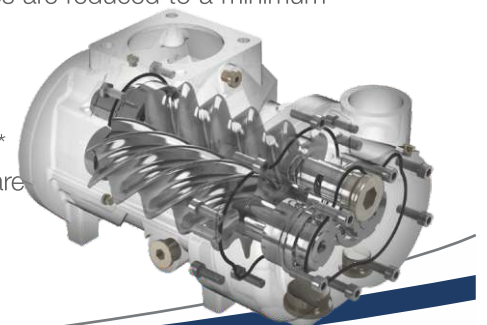
The screw compression element is the heart of the compressor and therefore CompAir keeps the design and manufacture in-house, using the latest CNC rotor grinding machinery, coupled with online laser technology.

The resulting reliability and performance ensure that operating costs will remain low throughout the compressors life.



Premium efficiency aierend

The high output aierend 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. With the new extended Protect 5* warranty, the compressors are covered **up to 40,000 hours.**



*Optional for all models



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



New advanced controller C-PRO 2.0 Ensures reliable operation and protecting your investment by continuously monitoring the operational parameters (Up to 37 kW)

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.

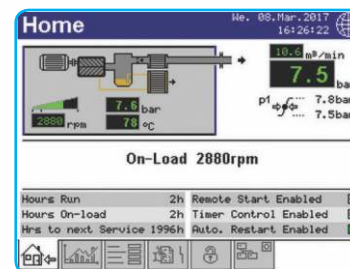
- 3 analog inputs
- Multi-language
- Standard sequence control up to 8 units (up to 7 units fixed speed & 1 variable speed)
- Standard Modbus
- 15 failure records in memory
- Continuous system monitoring

Delcos XL innovative touch screen compressor controller (45 kW to 250 kW)

The Delcos XL with its high resolution touch screen display is extremely user-friendly and self-explanatory. All functions are clearly structured in five main menus and are intuitively visual. 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.

Features & functions

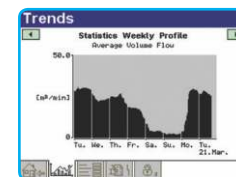
- Home Page – instant overview of the compressor status
- Real Time Clock – allows pre-setting of compressor starting/stopping
- Second Pressure Setting
- Integrated Cooling and Dryer Control
- Fault History Log – for in-depth analysis
- Remote Control via Programmable Inputs
- Auto Restart after Power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



Trend diagrams

With the ability to display detailed system analysis in the form of trend diagrams and graphs, operating parameters can be precisely set to maximise efficiency.

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



Regulated Speed Compressors

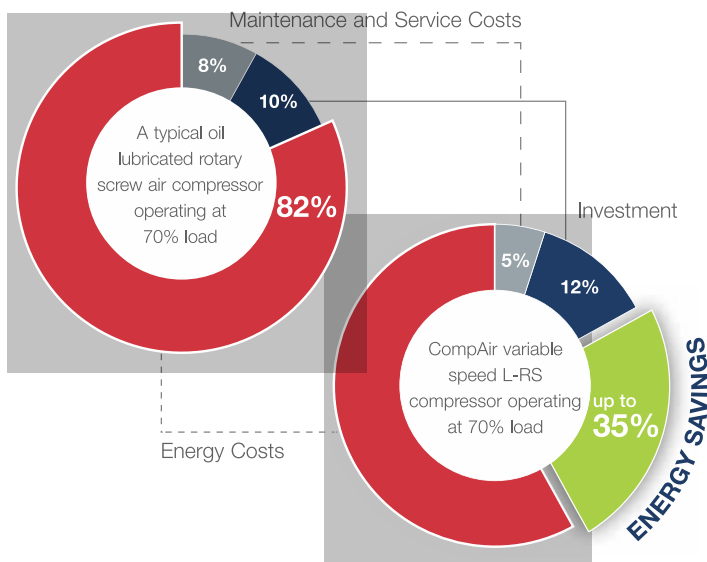
The perfect response to individual air demands

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.

Tried and tested inverter concept

- Integrated in the electric cabinet
- Protected from dust by replaceable inlet filters
- Maximum reliability by optimized cooling system
- Ensures high availability and long-life



CompAir RS features are your benefits

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

- ▶ **Drive System (Regulated Speed)**
Electronically controlled and monitored
High efficiency
Inverter driven
The drive system starts with no current peaks and no heat is generated in the motor. As a result no run on time or starts per hour limit is required
- ▶ **Wide regulation range**
No cycles means substantial energy savings
- ▶ **Perfect motor - drive - airend design**
High efficiency across broad flow range





Single source product and service capability



Lubricated Screw (L-Series) - 07 Kw to 22 Kw

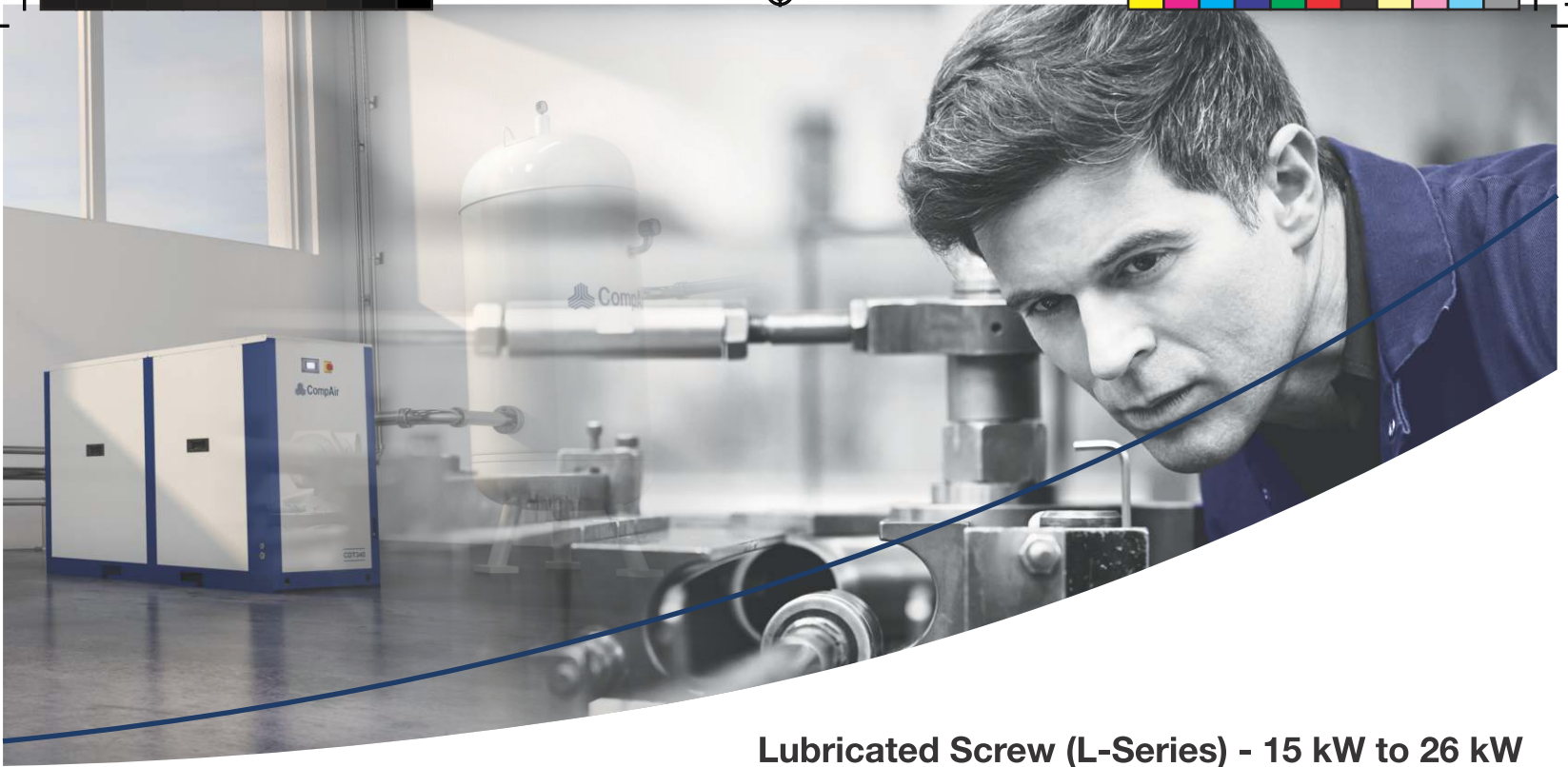
Motor		Performance						Options		Dimensions (mm)			Weight
kW	Model	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	Tank Mounted	Tank Mounted with Dryer	L	W	H	Kgs
7.5	L 07	7.5	47	10	36	13	30	Yes	Yes	667	630	1050	220 - 231
11	L 11	7.5	66	10	55	13	45	Yes	Yes	667	630	1050	220 - 231
7.5	L 07RS	5 - 7.5	17 - 45	5 - 10	17 - 36	5 - 13	17 - 29	Yes	Yes	667	630	1050	220 - 231
11	L 11RS	5 - 7.5	22-66	5 - 10	22-55	5 - 13	22-45	Yes	Yes	667	630	1050	220 - 231

For further details, please contact our technical team.



A design concept based on quality

- ▶ **Design**
 Most compact design across the class
- ▶ **High performance machine**
 Automatic belt tensioning, all machines are ready for 'plug and play'
- ▶ **Package for ease of mind**
 The compressors are available with fridge and dryer, both mounted on the receiver
- ▶ **High efficiency Air end**
 Fully integrated high efficiency Air end
- ▶ **All in one**
 Suction regulator, minimum pressure valve, thermostatic oil bypass valve and oil separator chamber in one unit



Lubricated Screw (L-Series) - 15 kW to 26 kW

Motor		Performance						Options				Dimensions (mm)			Weight
kW	Model	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	IE4 Motor	Moisture Separator	iConn	Food Grade Lubricant	L	W	H	Kgs
15	L 15	7.5	96	10	80	13	64	Yes	Yes	Yes	Yes	787	698	1202	335-386
18.5	L 18	7.5	115	10	97	13	83	Yes	Yes	Yes	Yes	787	698	1202	335-386
22	L 22	7.5	130	10	114	13	92	Yes	Yes	Yes	Yes	787	698	1202	335-386
22	L 23	7.5	151	10	125	13	108	Yes	Yes	Yes	Yes	1345	880	1612	650-677
26	L 26	7.5	176	10	150	13	125	Yes	Yes	Yes	Yes	1345	880	1612	650-677
15	L 15RS	5 - 7.5	33 - 96	5 - 10	30 - 80	5 - 13	29 - 64	Yes	Yes	Yes	Yes	789	698	1202	335-386
18.5	L 18RS	5 - 7.5	47 - 115	5 - 10	45 - 97	5 - 13	43 - 83	Yes	Yes	Yes	Yes	789	698	1202	335-386
22	L 22RS	5 - 7.5	38 - 130	5 - 10	33 - 114	5 - 13	31 - 92	Yes	Yes	Yes	Yes	789	698	1202	335-386
22	L 23RS	-	-	-	-	5 - 13	41 - 152	Yes	Yes	Yes	Yes	1345	880	1612	650-677
26	L 26RS	-	-	-	-	5 - 13	39 - 176	Yes	Yes	Yes	Yes	1345	880	1612	650-677

For further details, please contact our technical team.

A design concept based on quality

- ▶ **Large surface after cooler**
 Optimum cooling to ensure low operating and discharge temperatures.
- ▶ **Designed to perfection**
 Most compact design across the class
- ▶ **Reduced noise**
 Noise dampers at air inlet for reduced noise
- ▶ **Controller based system**
 Controller based system for precision control
- ▶ **Highest quality connections**
 Solid hoses and pipe connections with viton victaulic couplings increase reliability and are easy to maintain





Single source product and service capability



Lubricated Screw (Li Series) - 30 Kw to 37 Kw

Motor		Performance						Options				Dimensions (mm)			Weight
kW	Model	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	IE4 Motor	Moisture Separator	iConn	Food Grade Lubricant	L	W	H	Kgs
30	Li 30	7.5	204	8.5	201	10	174	Yes	Yes	Yes	Yes	1654	900	1505	900-946
37	Li 37	7.5	248	8.5	220	10	218	Yes	Yes	Yes	Yes	1654	900	1505	900-946
30	Li 30RS	-	-	-	-	5 - 10	47 - 204	Yes	Yes	Yes	Yes	1654	900	1505	950-1046
37	Li 37RS	-	-	-	-	5 - 10	52 - 248	Yes	Yes	Yes	Yes	1654	900	1505	950-1046

For further details, please contact our technical team.



A design concept based on quality

- High efficiency Air End**
 Highest level of reliability and performance with low operating costs
- 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.
- High efficiency electric motor**
 The compressors are equipped with an energy saving IE3 electric motor with an option to upgrade to the IE4 motor available
- Maximum Durability**
 Maximum service and durability by using corrosion resistant stainless steel tubing and passivated zinc coated carbon steel piping in system pressure lines
- Highest quality connections**
 Solid hoses and pipe connections with viton victaulic couplings increase reliability and are easy to maintain








Lubricated Screw (L+ Series & L Series) - 45 Kw to 75 Kw

Motor		Performance						Options				Dimensions (mm)			Weight
kW	Model	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	IE4 Motor	Moisture Separator	iConn	Food Grade Lubricant	L	W	H	Kgs
45	L 45+	7.5	312	10	270	-	174	Yes	Yes	Yes	Yes	2158	1223	1971	1700-1765
55	L 55	7.5	380	10	337	13	292	Yes	Yes	Yes	Yes	2158	1223	1971	1700-1765
75	L 75	7.5	530	10	440	13	370	Yes	Yes	Yes	Yes	2158	1223	1971	1700-1765
45	L 45+RS	-	-	-	-	5 - 10	120 - 312	Yes	Yes	Yes	Yes	2158	1223	1971	1700-1765
55	L 55RS	-	-	-	-	5 - 10	86 - 380	Yes	Yes	Yes	Yes	2158	1223	1971	1700-1765
75	L 75RS	-	-	-	-	5 - 13	80 - 530	Yes	Yes	Yes	Yes	2158	1223	1971	1700-1765

For further details, please contact our technical team.

A design concept based on quality

- 
Large surface after cooler
 Optimum cooling to ensure low operating and discharge temperatures.
- 
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.
- 
High efficiency electric motor
 The compressors are equipped with an energy saving IE3 electric motor with an option to upgrade to the IE4 motor available
- 
Thermostatically controlled motor driven fan
 High efficient and extremely quiet fan, allows compressor operation in the work place and the use of the maximum duct length without further assistance
- 
Highest quality connections
 Solid hoses and pipe connections with viton victaulic couplings increase reliability and are easy to maintain





Single source product and service capability



Lubricated Screw (L-Series) - 90 Kw to 290 Kw

Motor		Performance						Options				Dimensions (mm)			Weight
kW	Model	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	Working Pressure (Barg)	FAD (CFM)	IE4 Motor	Moisture Separator	iConn	Food Grade Lubricant	L	W	H	Kgs
90	L 90	7.5	620	10	550	13	480	Yes	Yes	Yes	Yes	2337	1368	2039	2513
110	L 110	7.5	738	10	662	13	576	Yes	Yes	Yes	Yes	2337	1368	2039	2614
132	L 132	7.5	812	10	755	13	660	Yes	Yes	Yes	Yes	2337	1368	2039	2778
200	L 200	7.5	1390	10	1235	13	1050	Yes	Yes	Yes	Yes	2949	2111	2193	2513
250	L 250	7.5	1490	10	1310	13	1160	Yes	Yes	Yes	Yes	2949	2111	2193	2614
250	L 290	7.5	1670	10	1470	13	1290	Yes	Yes	Yes	Yes	2949	2111	2193	2778
90	L 90RS	-	-	-	-	5 - 13	170 - 625	Yes	Yes	Yes	Yes	2337	1368	2039	2768
110	L 110RS	-	-	-	-	5 - 13	168 - 738	Yes	Yes	Yes	Yes	2337	1368	2039	2770
132	L 132RS	-	-	-	-	5 - 13	168 - 812	Yes	Yes	Yes	Yes	2337	1368	2039	2786
200	L 200RS	-	-	-	-	5 - 13	235 - 1385	Yes	Yes	Yes	Yes	2949	2111	2193	2513
250	L 250RS	-	-	-	-	5 - 13	235 - 1502	Yes	Yes	Yes	Yes	2949	2111	2193	2614
250	L 290RS	-	-	-	-	5 - 13	235 - 1650	Yes	Yes	Yes	Yes	2949	2111	2193	2778

For further details, please contact our technical team.



Exceptional Reliability & Performance

- High Performance Air End**
 Exceptional reliability and performance with high efficient profile
- Unique semi integrated design**
 Less external hoses to minimize risk of leakage, compact design with small footprint
- High efficiency electric motor**
 The compressors are equipped with an energy saving IE3 electric motor with an option to upgrade to the IE4 motor available
- Automatic motor lubrication**
 Increases bearing life and is maintenance free

AirPlus



Refrigerant Air Dryers

Designed for tropical conditions

CompAir refrigeration dryers are designed and manufactured to suit the high temperature condition of Asian region considering the 45°C ambient temperature and 55°C inlet temperature.

Model	Capacity (SCFM)	Inlet Press Kg/cm ²	Max Working Press Kg/cm ²	Inlet Temp. deg C	Volt. Supply	Weight Kg	End Conn
GD20	20	7	12	50	230/50/1	34	3/4" BSP F
GD40	40	7	12	45	230/50/1	55	1" BSP F
GD60	60	7	12	45	230/50/1	55	1" BSP F
GD125	125	7	12	45	230/50/1	70	1" BSP F
GD150	150	7	12	45	230/50/1	110	1.5" BSP F
GD250	250	7	12	45	230/50/1	100	1.5" BSP F
GD300	300	7	12	45	415/50/3	200	2" NB
GD400	400	7	12	45	415/50/3	260	2" NB
GD500	500	7	12	45	415/50/3	290	2" NB
GD650	650	7	12	45	415/50/3	350	2" NB
GD800	800	7	12	45	415/50/3	540	3" NB
GD1100	1100	7	12	45	415/50/3	580	3" NB
GD1250	1250	7	12	45	415/50/3	620	4" NB
GD1500	1500	7	12	45	415/50/3	900	4" NB



Flow Correction Factor

During the selection of the dryer, capacity correction to be used when operating conditions differ from performance data To get dryer capacity based on conditions multiply capacity by correction factors (X, Y, Z)

Ambient Temperature (X)

Temp. (°C)	30	35	40	45	50
CF	1.12	1.08	1.04	1.00	0.96

Inlet Temperature (Y)

Temp. (°C)	45	50	55	60	65
CF	1.06	1.03	1.00	0.90	0.75

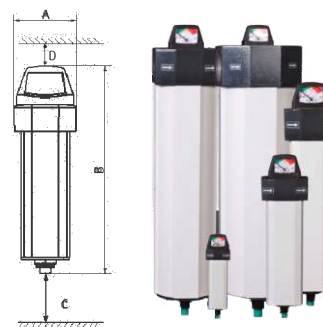
Inlet Pressure (Z)

Pressure	6	7	9	10.5	12.5
CF	0.95	1.00	1.08	1.13	1.18

Compressed Air Filters

Model	Element Grade	Pipe Size BSP	Flow Rate (m ³ /hour) @ 7 kg/cm ²	Max Working Pressure (kg/cm ²)	Housing Dimensions (mm)			
					A	B	C	D
G100	P/X/Y/A	1/2"	100	16	96	237	150	-
G250	P/X/Y/A	1"	250	16	117	465	300	-
G600	P/X/Y/A	1 1/2"	640	16	117	530	425	-
G851	P/X/Y/A	2"	851	16	170	722	480	-
G1210	P/X/Y/A	2"	1210	16	170	722	550	-
G1810	P/X/Y/A	3"	1810	12	235	760	550	-
G2200	P/X/Y/A	4"	1200	12	440	1325	-	800
G2600	P/X/Y/A	4"	1500	12	650	1500	-	800
G3400	P/X/Y/A	6"	2000	12	650	1500	-	800

Description	Element Grade			
	P	X	Y	A
Filter Element	Borosilicate	Borosilicate	Borosilicate	Activated Carbon
Particle Removal	5 (µm)	1 (µm)	0.01 (µm)	0.01 (µm)
Max. Oil Carryover	5 (mg/m ³)	0.5 (mg/m ³)	0.01 (mg/m ³)	0.003 (mg/m ³)





Global experience
truly local service



PROTECT

Extended Warranty for GD Compressors

Extended Warranty - to ensure your peace of mind!

The GD Extended Warranty and Service programmes will assure you up to 40,000 hours / 5 years ¹⁾. It is one of the most generous warranties available in the industry affording you total piece of mind.

Your benefits:

- The Protect 5 warranty is optional across the range for the compressor owner
- The CompAir authorised service provider will deliver a guaranteed quality of service
- An Protect 5 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⁾ Whichever is the soonest

²⁾ Subject to Terms & Conditions

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

iConn Industry 4.0 solution

The entire compressor range can be upgraded with iConn, the smart proactive real-time monitoring system, which gives you real-time knowledge about the compressed air system. It enables accurate production planning and total peace-of-mind protection, generating insight and statistics that keep you informed on performance, at the same time highlighting potential issues before they become a problem.



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A Consortium of Zero Error Process Instruments

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