



Reliability & efficiency without compromise

Contact-Cooled Rotary Screw
Air Compressors



Premium compressor design
and industry leading warranty

L160b

A new level of Reliability, Efficiency and Productivity

“ L160b kW rotary screw air compressors offer the very best of time-proven designs and technologies with new, advanced features that ensure the highest levels of reliability, efficiency and productivity available. ”

Progressive Adaptive Control™ – PAC™ Protection

An integrated, intelligent system that continuously monitors key operating parameters and adapts to prevent unexpected downtime.

- Scans and adjusts operating parameters in response to changes in filtration.
- Ensures peak performance through real-time electronic maintenance indicators.
- Optimizes energy consumption and reduces noise level by adapting fan speed based on ambient temperature.
- Increases bearing life by eliminating any chance of water build-up in the coolant.
- Improves productivity by proactively monitoring and conditioning incoming power.

V-Shield™ Technology

A totally integrated, leak-free design using stainless steel pipes and long-life metal-flex hoses.

- Superior elastomeric seals for repeatable leak-free connections.
- Reduced downstream contamination with stainless steel air piping.
- Vibration isolation system and metal-flex hoses extend compressor life and reduce noise.
- Significantly reduced potential leak paths.

Sequential Cooling System

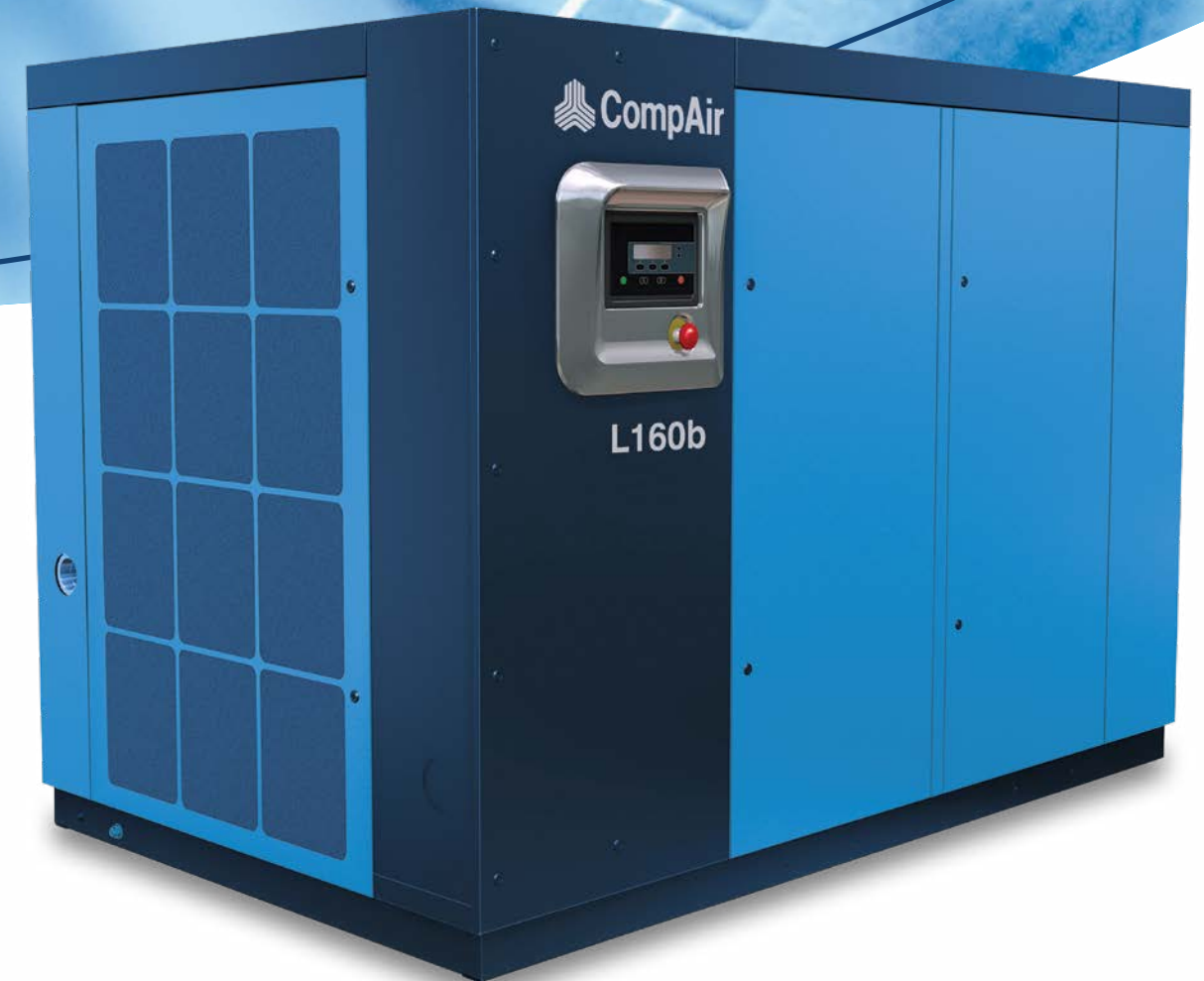
Significantly improves efficiency, serviceability and noise level.

- Low energy consumption and quiet operation with an energy-efficient centrifugal blower.
- Significantly reduces the energy required to remove harmful condensate in downstream air treatment by lowering discharge temperatures.
- Integrated moisture separator delivers higher quality air by decreasing harmful condensate carryover, while electronic no-loss drain valves improve efficiency.
- Independently-mounted, free-floating air and coolant heat exchangers extend life by reducing thermal stresses.
- Available for operation in extreme environments up to 46°C (115°F).

Intuitive Controller

Easily adjustable operating parameters, on-board diagnostics, multiple languages.

- Built-in optimization sequencing for up to four compressors.



Trouble-Free Operation

CompAir provides many more ways to ensure your operation remains productive while providing the lowest cost of ownership.

- Increased uptime, reduced maintenance and improved performance with our unique two-stage filtration, extended filtration life, superior synthetic AEON S and on-board, time-saving diagnostics.
- High-quality air delivered through high-efficiency coolant separation.
- Safe, easy maintenance performed on one side via removable hinged doors, swing out separator lid and easy-slide heat exchangers.
- Minimized installation costs and complexity with single cooling air inlet and outlet, and easy exhaust heat management for lower utility costs.
- Easy-to-use operator interface in 23 languages with electronic controller designed for harsh environments.

Time-Proven Quality Airend

At the heart of our compressors are rugged, roller bearing-equipped airends, engineered for exceptional reliability.



The best investment protection you can get



5 Years Warranty!

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

Your benefits :

- The CompAir authorised service provider will deliver a guaranteed quality of service
- An Protect 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⁾ Warranty duration is limited to 5 years/40,000 hours on the whole package. Whichever is the soonest.

iConn Industry 4.0 solution

Our compressors 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.



Compact design - easy installation

The small footprint reduces the space required for installation.

Easy servicing

The design of these packages ensures that 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 further lowers the maintenance costs.

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



Standard Features

Category	Description
Airend	Time-proven quality airend
Controller	Energy-saving microprocessor controller easy to operate in 23 languages Programmable start/stop operation and remote connectivity Built-in optimisation sequencer for up to 4 units
PAC™ Protection	Scans and adjusts operating parameters in response to filtration changes Real-time electronic maintenance indicators and shutdown protection
Cooling System	Air-cooled sequential cooling system optimised for efficiency & serviceability Energy-efficient and low noise centrifugal blower Generous package cooling system rated for 46°C (115°F) ambient Moisture separator
V-Shield™ Technology	Stainless steel air piping Vibration isolation pads and premium metal-flex hoses Repeatable leak-free connections with superior elastomeric seals
Services	Ergonomic swing-out lid on the separator tank Simple ducting (single air inlet and single air outlet) 12-month full package warranty
Auxiliary Systems	Noise attenuation enclosure Package pre-filtration Long-life filtration and separation elements 8,000-hour life AEON S Flow control by full load/no load regulation system
Motors & Electrical Systems	Control panel protection, NEMA 4/IP55 electrics Star-delta reduced voltage starter High-efficiency TEFC IP55 motors - Class F insulation with B rise

Technical Data

Model	Max. Pressure		Nominal Power		Capacity (FAD)*		Dimensions (L x W x H)		Weight (Air-Cooled)	
	bar g	psig	kW	hp	m ³ /min	cfm	mm	in	kg	lb
L160b	7.5	110	160	200	29.45	1040	2855 x 1836 x 2032	112 x 72 x 80	2926	6450
	8.5	125	160	200	29.02	1025	2855 x 1836 x 2032	112 x 72 x 80	2926	6450
	10	145	160	200	25.77	910	2855 x 1836 x 2032	112 x 72 x 80	2926	6450
	14	200	160	200	19.82	700	2855 x 1836 x 2032	112 x 72 x 80	2926	6450

* FAD (Free Air Delivery) is full-package performance including all losses. Tested per ISO 1217:2009 Annex C and measured at 0.5 bar g/10 psig lower than maximum pressure.

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®
- 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 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.