

RSb Series Oil-Flooded Rotary Screw Compressors

15-22 kW



Your Trusted Partner in Compressed Air

Staying ahead of your competition with advanced compressed air systems and services that boost productivity, lower operating expenses and extend equipment life is critical to your success.

No matter the industry or application, you can count on Ingersoll Rand® as a trusted partner for oil-flooded compressed air technologies and services. By focusing on you and your business, we provide collaborative solutions that make you successful, offering a total system approach to maximise efficiency and performance.

Take a Systems Approach

Delivering reliable oil-flooded compressed air to your facility goes well beyond the compressor itself. Optimise total cost of ownership (TCO) through a systems approach that employs the best air compression technologies to deliver reliability for life—from design to decommissioning.

Your business will benefit from Ingersoll Rand's partnership through our extensive experience and global expertise to ensure reliability, lower maintenance costs, ease of serviceability and system optimisation.





Why Choose a World-Class Rotary Screw Compressed Air System?

You need a reliable, cost-effective solution with industry-leading energy efficiency, all backed by a global network of experts. Ingersoll Rand delivers the equipment and services your business demands.

For efficiency and air flow

Advanced airend and drive component design provide world-class specific power and best-in-class air flow, resulting in reduced energy use.

For reliability

Every component in our oil-flooded compressor system supports maximum reliability for increased productivity, longer equipment life, lower operating costs and higher profitability.

Built to work in virtually any environment

Our oil-flooded compressors operate both indoors and outdoors at extreme ambient temperatures. A compact footprint provides space saving convenience.

For lower cost of ownership

Intuitive microprocessor controls, easy serviceability and long-life consumables significantly reduce operating, maintenance and service costs over the lifetime of your compressed air system.



Customised Products for Your Application

Ingersoll Rand offers a wide portfolio of reliable products that will adapt to your industry and application. We will assess and propose the best solution to lower the total cost of ownership of your compressed air system, maximising the productivity of your operation.



Manufacturing & Assembly

High-quality air for your facility, from start to finish



Metal Working

The power source to keep production moving quickly and on time



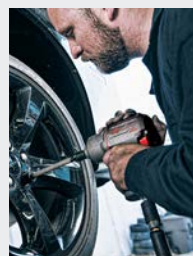
Craft Brewing

Compressed air for your growing business including washing and bottling operations



Woodworking

Power for sawing, clamping, hoisting, actuation & controls, pressure treatment



Vehicle Services

Reliable compressed air for powering tools for repairs, filling tires, painting and more



Paint Shops

Clean, dry air to achieve a perfect finish for many painting applications

AIR COMPRESSORS



Air compressor use accounts for a significant part of your energy costs. Our design team uses advanced computer modeling techniques to create rotary screw compressors that maximise efficiency and airflow, while operating reliably to improve your company's bottom line.



All Air Isn't Equal

Next Generation R-Series air compressors help eliminate waste and control costs to lower your total cost of ownership.



View Products

See our entire portfolio of oil-flooded compressors

What Makes Our Rotary Screw Compressors Unique?

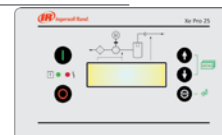
Optimised Drive Components

State-of-the-art airends, high performance motors and an oversized inlet air filter that decreases pressure drop deliver uncompromising efficiency, minimising energy use. Choose the optional VSD for even more energy savings.



Intuitive Connectivity

Xe-Pro Controllers deliver enhanced control and functionality through an intuitive user interface as well as remote access with any common, current web browser, providing critical real-time monitoring and diagnostics.



Simple and Serviceable

Smart design elements, including a fully integrated airend, reduced connections and piping, and a sound attenuating enclosure create a compact footprint and provide easy access to internal parts for quicker maintenance.



Robust Components

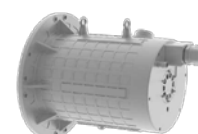
Durable parts such as the auto-tensioning, non-stretching poly-v belt, robust hoses and pipe connections with viton victaulic couplings, and an innovative separator deliver performance integrity and reliability for life.



Motor

Fixed speed drive: premium IEC60034-30 IE3 motor enables IP55 protection grade and Class F insulation with B rise.

Variable speed drive: highly efficient oil-cooled IE5 & IP66 PM motor enables Class H insulation with B rise.



Efficient Operation and Powerful Information

We Start At The Core

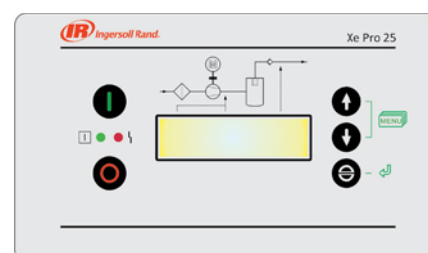
When we made the Next Generation RSb-Series we started with an all-new, state-of-the-art airend, making it your best choice for performance. The new airend improves efficiency as much as 16% through several advancements, including an optimised rotor profile to help minimise operating expenses. The new rotor profile also provides world-class airflow, delivering up to 14% more than previous models. With more airflow for the same power input, your compressor requirements are smaller, reducing both investment costs and energy usage, to lower your total cost of ownership.



Reliability and Control You Can Count On

The Xe-Pro Series control system ensures reliable operation and protects your investment by continuously monitoring operational parameters. It has the capability to have programmable inputs and outputs, control additional equipment, as well as provide a variety of critical features.

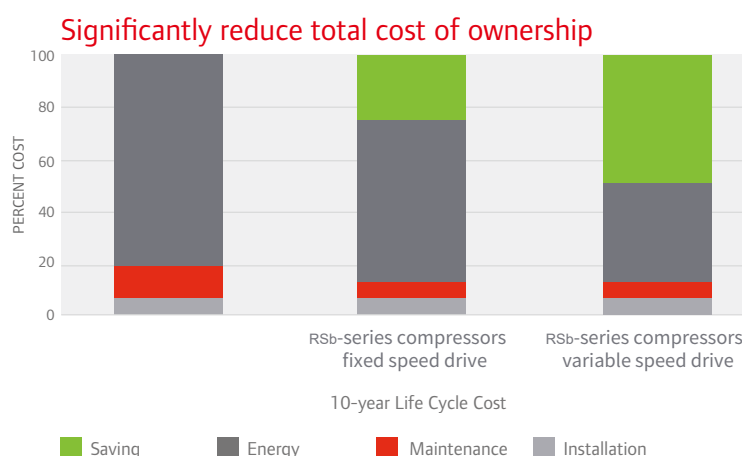
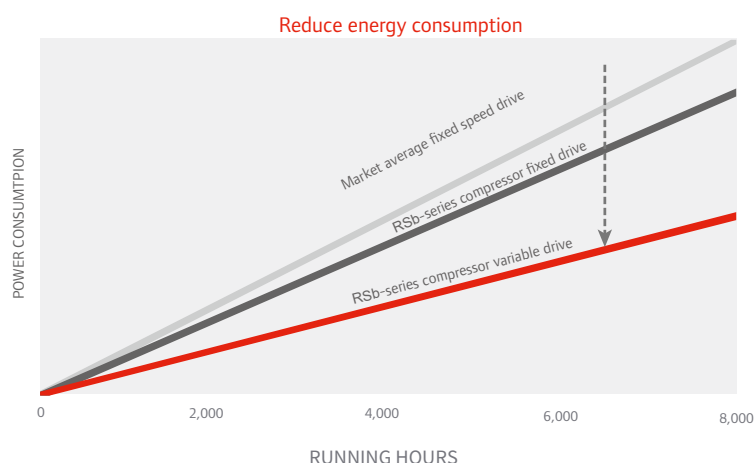
Stay connected with the Xe-Pro Series via its easy to use touch screen display, or remote access via web-browser or smartphone. Real-time monitoring, diagnostics, trending and analysis will always keep you in total control.



Environmental protection, energy saving and efficiency

Every RSb-Series compressor features an all-new highly efficient airend, in combination with motor meeting IE3 and ECO*-PM IE5 energy-efficiency standards, helping you save up to 12-30% on energy costs.

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Rotary comparison at 79% average volume capacity; 4000 hours per year; INR 9/kWh

Innovative Design, Flexible Choices

Our rotary screw compressor systems provide flexible equipment choices, as well as advanced solutions that ensure reliable flow—even in extreme operating environments. That's what you expect from Ingersoll Rand. That's what you get from the Next Generation R-Series rotary screw air compressor.



Optimise Your Demand

We mix and match motors and airends to achieve the exact level of performance and economy your operation and budget require. Super-premium IE4 efficiency motors are available as an option on most models.

ie

Premium Efficiency for Constant Demand: Fixed speed compressors with the continuous duty IP55 Premium efficiency TEFC induction motor and enhanced features for improved performance and efficiency

ne

Premium Efficiency for Variable Demand: VSD compressors with enhanced features for improved performance and efficiency

RSb Performance Chart

Model	Nominal Power	Max Pressure	Capacity (FAD)*	Dimension	Weight
	kW	bar	cfm	(L x W x H) mm	kg
RSb15ie	15	7.5	104	1400 x 826 x 1275	578
		8.5	97		
		10	85		
		13.5	60		
RSb18ie	18	7.5	124	1400 x 826 x 1275	623
		8.5	117		
		10	104		
		13.5	78		
RSb22ie	22	7.5	145	1400 x 826 x 1275	642
		8.5	138		
		10	124		
		13.5	95		

Model	Nominal Power	Max Pressure	Capacity (FAD)*	Dimension	Weight
	kW	bar	cfm	(L x W x H) mm	kg
RSb15ne	15	7-13.5	103 - 42	1400 x 826 x 1275	419
RSb18ne	18	7-13.5	129 - 42		423
RSb22ne	22	7-13.5	152 - 42		423

* Displacement (FAD*)(volume flow) is the operating parameter of the complete, measured according to the test standard of ISO1217:2009 Appendix C.



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