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## **New Ingersoll Rand® Rotary Screw Air Compressors with Variable Speed Drive Increase Energy Efficiency by up to 35 Percent**

**DAVIDSON, N.C., Aug. 22, 2016** — [Ingersoll Rand®](#), a global leader in compression technologies and services, has introduced new models to its revolutionary line of Next Generation R-Series compressors, which incorporate the latest advancements in variable speed drive (VSD) technology to increase air flow output by up to 15 percent, reduce energy costs by up to 35 percent and increase system reliability. With the launch of the RS30n and RS37n VSD models, Ingersoll Rand engineers designed a streamlined system that maximizes the latest advancements in rotor dynamics coupled with Totally Enclosed, Fan-Cooled (TEFC) high-performance motors.

“Faced with high energy costs and an increasing focus on sustainability goals, plant managers and facility owners are under extraordinary pressure to reduce costs while improving productivity and energy efficiency,” says Eric Seidel, vice president of product management for compression technologies and services at Ingersoll Rand. “Our Next-Generation R-Series line reduces customers’ energy footprint. In these models, we’ve combined our state-of-the-art airend with a VSD to provide exemplary compressor efficiency and durability to keep plants running optimally.”

At the heart of every Next Generation R-Series compressor is the airend Ingersoll Rand engineers designed to significantly improve overall system efficiency by ensuring low pressure drops. It delivers specific energy output and premier airflow capacity for each compressor application.

The compressors are designed to withstand harsh plant conditions and can run continuously in ambient temperatures of up to 115 degrees Fahrenheit. The starter panel meets NEMA 12/IP55 protection ratings to provide protection against circulating dust, falling dirt and dripping or splashing liquids.

In addition to matching output based on the demand, the RS30n and RS37n compressors also decrease energy use during start-up, which can draw up to 800 percent of the full load current. RS30n and RS37n limit the in-rush current during start-up, minimizing peak power charges and lowering energy usage.

The new compressor models also come equipped with updated standard features to enhance reliability and durability. The following design enhancements translate to thousands of dollars in savings over the competition within the first five years of operation<sup>[1]</sup>:

- | braided PTFE hoses that increase the lifetime of the compressor and mitigate downtime;
- | an integrated dryer that is ISO 1.5.1 classified, which provides higher air purity and reduces the likelihood of damage to tools powered by the compressor;
- | a NEMA 12 rated enclosure and standard pre-filter allow these compressors to operate in harsh application environments;
- | enhanced separators and coolers, and standard coolant that lasts twice as long as comparable models, thereby significantly reducing maintenance costs; and
- | less energy required to operate, reducing energy costs over fixed speed.

“The Next Generation R-Series compressors with VSD provide customers with greater value than other products in the category,” Seidel adds. “Ingersoll Rand is continuing to improve and expand this product line to meet the ever-increasing performance needs of customers and the sustainability goals they face.”

All Next Generation R-Series air compressors are equipped with Xe-series controllers, which allow easy access to and control of the compressed air system. The Xe70 controller has customizable units of measure and built-in sequencing for up to four compressors and communicates directly to the inverter drive to determine the appropriate running speed of the airend. Backed by extensive leading global service offerings, Ingersoll Rand is dedicated to proactively maintaining customers’ equipment, allowing them to do what they do best – focus on their production.

For more information on the Ingersoll Rand Next Generation R-Series VSD air compressors, visit [www.IngersollRandProducts.com/NextGenRSeries](http://www.IngersollRandProducts.com/NextGenRSeries) or contact your local service representative.

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Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands — including [Club Car®](#), [Ingersoll Rand®](#), [Thermo King®](#) and [Trane®](#) — work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are a \$13 billion global business committed to a world of sustainable progress and enduring results. Ingersoll Rand products range from complete compressed air and gas systems and services, to power tools, material handling and fluid management systems. The diverse and innovative products, services and solutions enhance our customers' energy efficiency, productivity and operations. For more information, visit [www.ingersollrand.com](http://www.ingersollrand.com) or [www.ingersollrandproducts.com](http://www.ingersollrandproducts.com).

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[1] Savings vary by application, use and energy costs at point-of-use, see your local service representative for more details.

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