

FOR IMMEDIATE RELEASE

CONTACT: Ryan Nolan
Global Public Relations Program Manager
Building Technologies & Solutions, Johnson Controls
Work + 1 414 524 6170
Mobile + 1 414 378 9641
Ryan.P.Nolan@jci.com

YORK® YZ Magnetic Bearing Centrifugal Chiller is first chiller optimized for ultimate performance with new, low-GWP refrigerant

New chiller delivers up to 35 percent annual energy savings, reduced maintenance costs and widest operating envelope in industry

MILWAUKEE – (Jan. 3, 2018) – [Johnson Controls](#) introduces the [YORK® YZ Magnetic Bearing Centrifugal Chiller](#), the first chiller fully optimized for ultimate performance with a next generation low-global warming potential (GWP) refrigerant—R-1233zd(E). Chosen for its efficiency, safety, availability, low environmental impact and cost, nonflammable R-1233zd(E) has an ultra-low GWP of 1 and is readily available from refrigerant manufacturers.

“We have long led the industry in delivering chiller innovations,” said Laura Wand, vice president, Chiller Solutions, Building Technologies & Solutions at Johnson Controls. “With the new YORK® YZ, we have engineered the world’s most efficient low-GWP line of centrifugal chillers. Our broad range cooling capacity will serve our customers’ many diverse application needs.”

Johnson Controls used a holistic approach to system design and engineering, optimizing every component around a carefully selected next generation refrigerant for ultimate performance. The YORK® YZ chiller uses an integral, variable speed drive and advanced magnetic bearing technology that features a single moving assembly suspended in a magnetic field that does not require lubrication. This technology requires 80 percent fewer moving parts than traditional oil- or refrigerant-lubricated drivelines. The result is enhanced reliability, reduced maintenance and improved efficiency. Compared to traditional fixed-speed oil-bearing chillers, the YZ delivers up to 35 percent annual energy savings.

The YZ chiller can deliver significant energy savings and lower operating costs by taking advantage of the off-design conditions where chillers operate 99 percent of the time. The YZ operates with entering condenser water temperature as low as 40°F (4.5°C), providing enhanced performance in every operating condition and the widest operating envelope in the industry. The YORK® YZ uses an optimized single stage design to provide industry-leading real-world energy efficiency. The chiller can also operate with condenser temperatures below the evaporator temperatures, eliminating the need for a water-side economizer, which simplifies the system, requires less mechanical room space and saves money on components, piping, controls and maintenance.

“We continue to deliver industry-leading chiller options that best meet the needs of our current and continually expanding customer base around the world,” said Bill Jackson, president, Global Products, Building Technologies & Solutions at Johnson Controls. “The YZ is another fantastic platform system that equips our customers with environmentally friendly performance in an optimized solution. Thank you to our YORK® Chiller team for leading the way.”

The YZ chiller brings together groundbreaking YORK® innovations refined over decades of real-world use to create a revolution in chiller design and optimization. It represents a solution from the chiller experts, who like to think of the YORK® YZ chiller as tomorrow’s chiller, available today.

To learn more about the YORK® YZ Magnetic Bearing Centrifugal Chiller, visit www.YORK.com/Next.

To see the YZ chiller, visit the Johnson Controls booth at the AHR Expo, Jan. 22-24. The chiller will also be on display at Mostra Convegno Expocomfort in March and China Refrigeration & Heating in April.

About Johnson Controls

Johnson Controls is a global diversified technology and multi-industrial leader serving a wide range of customers in more than 150 countries. Our 120,000 employees create intelligent buildings, efficient energy solutions, integrated infrastructure and next generation transportation systems that work seamlessly together to deliver on the promise of smart cities and communities. Our commitment to sustainability dates back to our roots in 1885, with the invention of the first electric room thermostat. We are committed to helping our customers win and creating greater value for all of our stakeholders through strategic focus on our buildings

and energy growth platforms. For additional information, please visit www.johnsoncontrols.com or follow us [@johnsoncontrols](https://twitter.com/johnsoncontrols) on Twitter.

About Johnson Controls Building Technologies & Solutions

Johnson Controls Building Technologies & Solutions is making the world safer, smarter and more sustainable – one building at a time. Our technology portfolio integrates every aspect of a building – whether security systems, energy management, fire protection or HVACR – to ensure that we exceed customer expectations at all times. We operate in more than 150 countries through our unmatched network of branches and distribution channels, helping building owners, operators, engineers and contractors enhance the full lifecycle of any facility. Our arsenal of brands includes some of the most trusted names in the industry, such as Tyco®, YORK®, Metasys®, Ruskin®, Titus®, Frick®, PENN®, Sabroe®, Simplex® and Grinnell®. For more information, visit www.johnsoncontrols.com or follow [@JCI_Buildings](https://twitter.com/JCI_Buildings) on Twitter.

#

Photo Caption:

The YORK® YZ Magnetic Bearing Centrifugal Chiller is the first chiller fully optimized for ultimate performance with a next generation low-global warming potential (GWP) refrigerant—R-1233zd(E).

