Advanced Technologies of the YORK® YZ Chiller

**Capacity Control Logic**
Patented YORK® control technology provides rapid response to the load on the building, ensuring the YZ does not waste energy or work harder than needed.

**Variable-Speed Drive**
The YZ, with VSD standard, as well as variable geometry diffuser and magnetic bearing technology, delivers up to 35% annual energy savings versus traditional fixed-speed oil bearing chillers.

**OptiView™ Control Panel with Connected Services**
Offers over 100 setpoints, readouts, alerts, trending reports and more. Data can also be securely connected to analytics platform for remote monitoring and predictive diagnostics.

**Magnetic Bearing Driveline**
Offers outstanding reliability and 80% fewer moving parts than traditional oil- or refrigerant-lubricated drivelines.

**Optimized Compressor**
Optimized, single-stage design enables YORK® chillers to provide best real-world energy efficiency and the widest operating range at off-design conditions.

**High-Speed Hermetic Induction Motor**
The YZ will be the first magnetic bearing centrifugal chiller to utilize reliable, robust, and low-maintenance induction motors.

**Falling Film Evaporator**
Reduces refrigerant charge up to 60% and reduces evaporator shell size up to 20% compared to other flooded, low-pressure refrigerant designs.

**Low-Pressure Chiller**
Building upon decades of experience, the YZ has been fully optimized around R-1233zd, which has a GWP of 1.
The YORK® YZ chiller from the chiller experts is the industry's first chiller fully optimized for ultimate performance with a next generation low-GWP refrigerant, offering exceptional efficiency and operation.

**Cooling Capacity:** 165-1000 Tons (581-3516 kW)

**From the Chiller Experts**
The YORK® YZ chiller is a revolutionary advancement that challenges everything about conventional chiller design. Built upon decades of industry-leading chiller expertise, our engineers questioned every component, analyzed every function and challenged every assumption.

**Optimized for Ultimate Performance**
The design premise for the YORK® YZ was simple: don't just make a new chiller – make the best chiller. This was accomplished through a holistic approach to system design and engineering, optimizing every component around a carefully selected next generation refrigerant for ultimate performance.

**Dramatically Lower Cost of Ownership**
To maximize value, the YORK® YZ design has been optimized to minimize operating costs by leveraging the benefits of a new refrigerant in our new heat exchangers and motor/compressor driveline while also mitigating the high cost of a next generation refrigerant.

**The New Definition of Sustainability**
True sustainability means the lowest total emissions – from beginning to end. Adapting a chiller design to a new refrigerant is not enough. That’s why the YORK® YZ was specifically designed to maximize the potential energy efficiency of a low-GWP refrigerant. Our design optimization for the highest possible efficiency, combined with a low-GWP refrigerant, makes the YORK® YZ Centrifugal Chiller the best choice for the environment.

Available January 2018 – visit YORK.com/Next for more information.