

QUICK START

YORK® YZ Water-Cooled Magnetic Bearing Centrifugal Chiller



Dependable Operation with Quick Start

The fastest chiller restart and capacity recovery following a power failure

The Quick Start feature — designed for your critical applications

Temperature sensitive operations such as data centers, pharmaceutical labs, hospitals, and manufacturing facilities require constant cooling for equipment and processes. If the power fails and interrupts cooling, critical operations may also fail — risking millions of dollars in equipment failure and operational downtime.

The Quick Start feature reduces the risk of cooling disruptions

Standard on all YORK® YZ magnetic bearing centrifugal chillers, the Quick Start feature saves both time and money by:

- Reducing time for chiller restart after a power failure
- Rapidly bringing the chiller back to pre-power failure operating capacity
- Keeping critical space and equipment cooled
- Reducing the risk of expensive downtime



Smarter power management, faster restarts

After power is interrupted, it can take a standard centrifugal chiller almost double the time it takes a YZ chiller to restart. After power is restored from a 15 second power failure, YZ chillers can restart as fast as 26 seconds. During a power failure, the magnetic bearing controller, control panel, and variable speed drive control circuits remain energized until the facility's emergency generator is activated. This smart power management eliminates the need for a control panel reboot so that the chiller can restart rapidly when power is restored.

The fastest capacity recovery in the industry

Your YZ chiller restarts quickly. More importantly, it can return to the original operating conditions quickly, which ensures that your facility does not lose precious products or services. YZ chillers can get back to pre-power failure operating capacity within 2 minutes and 9 seconds.*

The YZ chiller offers significantly faster capacity recovery times compared to the industry's typical centrifugal chiller. For your critical cooling application, consider a YZ chiller that can return your facility to 100% capacity faster than any other chiller.

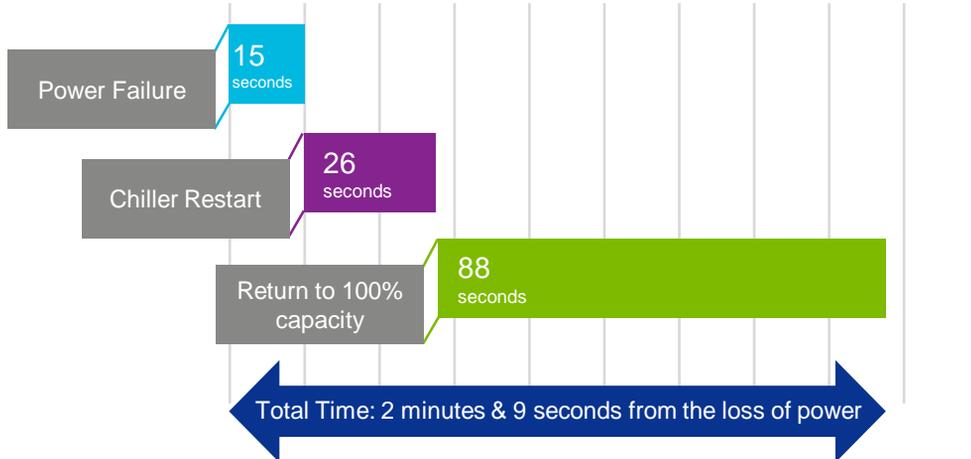
There are several factors that can alter or improve the restart time of a chiller with the Quick Start feature:

- Specific chiller configuration
- Percent capacity operation prior to power failure
- Length of the power failure

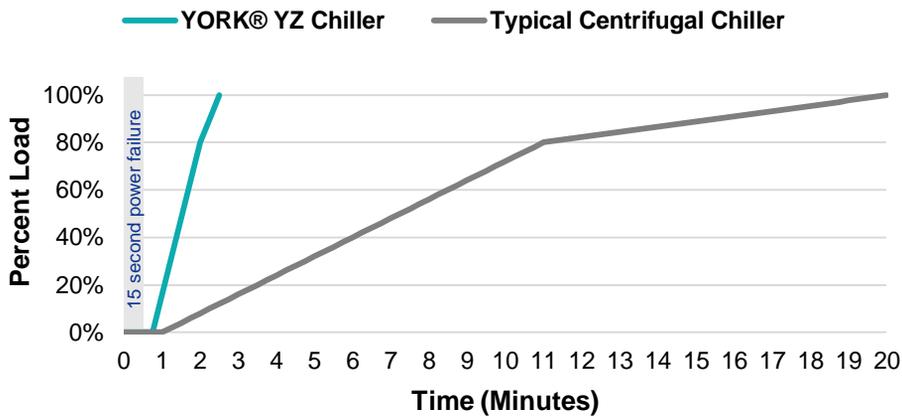
** Time to return to operating capacity is dependent on several variables. Reach out to your local YORK® chiller sales contact for more information specific to your application.*

A performance test can be requested to witness restart times and capacity recovery times for your specific chiller, capacity operation, and length of power failure. Scheduled performance tests are held at your Johnson Controls Water-Cooled Chiller Performance Test Facility and Customer Center.

YZ restart and capacity recovery time, in seconds



Return to 100% Capacity



Proven Performance

With an ever-growing number of YORK® chillers with Quick Start installed around the world, you receive peace of mind knowing your chillers — and your operation — can be protected from the consequences of a power failure. For details on a YZ chiller with the Quick Start feature, or to learn more about other Quick Start feature chiller offerings from Johnson Controls, contact your local sales branch today, or visit www.YORK.com/Next.