

# Peace of Mind Operation

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, semiconductor production and other manufacturing facilities require constant cooling for equipment and processes. If power fails and cooling is interrupted, critical operations may also fail – risking millions of dollars in equipment failure and operational downtime.

## The Quick Start feature reduces the risk of cooling disruption

Available as a feature on YVAA air-cooled variable-speed drive screw 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

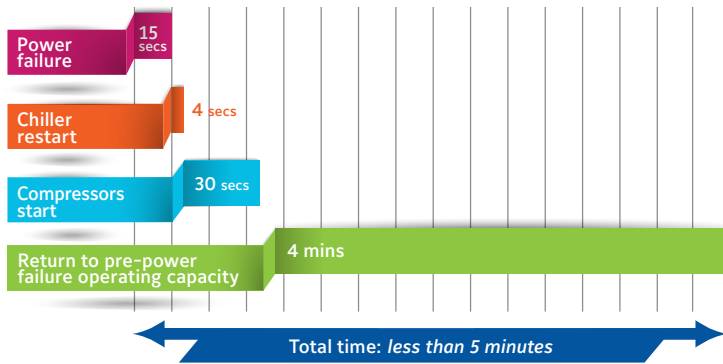
After power is interrupted, it can take a standard chiller many minutes to restart. But YVAA chillers with the Quick Start feature can restart within seconds after the emergency generator restores power (which typically takes 15 seconds).

Because YVAA chillers contain a variable-speed drive, there is no inrush of current. As a result, all compressors can be started together. This allows the YVAA chiller to ramp up to full capacity much faster than a typical chiller.

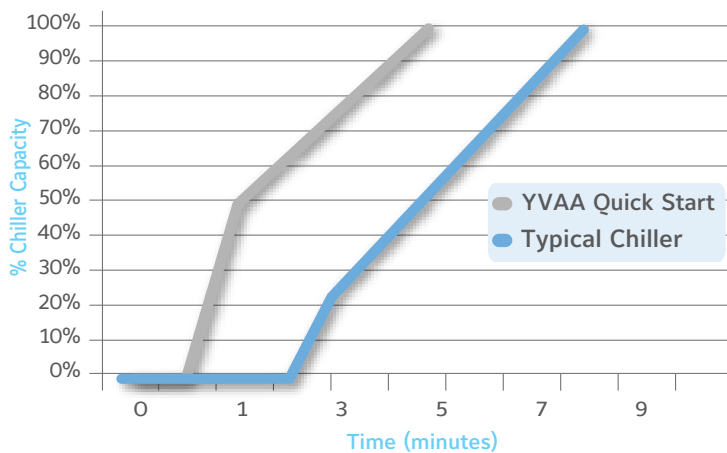


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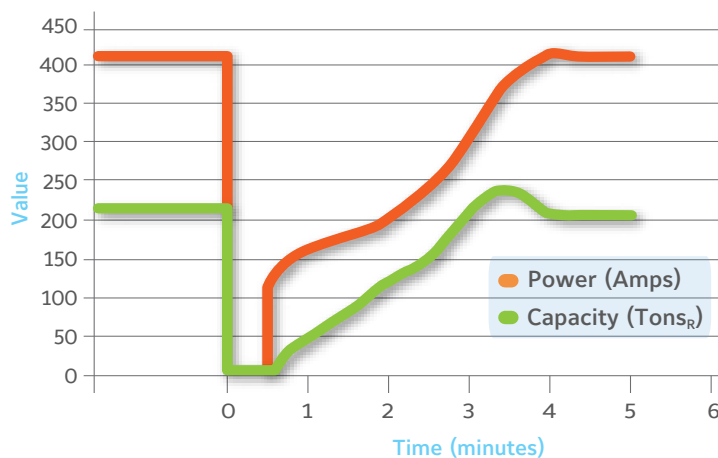
## YVAA Restart and Capacity Recover Timeline, in Seconds



## Return to 100% Capacity - Chiller Comparison



## Power and Capacity Recovery Times with the YVAA Quick Start



## The fastest capacity recovery in the industry

Not only will your YVAA chiller restart quickly, more importantly, your chiller will return to its original operating conditions quickly, ensuring your facility does not lose precious products or services. YVAA chillers can get back to pre-power failure operating capacity within 4 minutes.

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

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

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

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.

## Proven performance

With an ever-growing number of YORK YVAA chillers with the Quick Start feature installed around the world, you receive peace of mind knowing your chillers – and your operation – can be protected by Johnson Controls from the consequences of a power failure.

For details on a YVAA chiller with the Quick Start feature, or to learn more about other Quick Start feature offerings, contact your local Johnson Controls branch today, or visit [www.johnsoncontrols.com/chillers](http://www.johnsoncontrols.com/chillers).