

# Quick Start for YORK® YVAM

(250–375 tons)

## Designed for critical applications

It is essential to maximize chiller uptime for mission-critical, temperature-sensitive applications. Data centers and high-value connected loads face a constant threat of violating service level agreements, equipment failures, and lost production, all of which costs money. Owners and operators must have confidence in the equipment serving their processes.

## Reduce the risk of cooling disruption

Uptime is vital, so Quick Start is included as standard on all YORK YVAM magnetic bearing centrifugal chillers. Quick Start 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 spaces and equipment cool
- lowering the risk of damage to temperature sensitive equipment

## Smarter power management and faster restarts

YVAM chillers include an integral UPS, which ensures critical systems remain energized through a power outage. During a power failure, the magnetic bearing controller, Optiview™ Panel, and OptiSpeed™ variable speed drive control circuits remain energized until an emergency generator is activated. This eliminates the need for a control panel reboot so the chiller is able to restart the moment power is restored and compressor coastdown is complete.



### Faster restarts, faster loading

The YVAM YORK air-cooled centrifugal chiller offers exceptionally fast restart times while precisely controlling to setpoint. This means your chiller will return to its original operating conditions more quickly, ensuring your facility experiences reduced downtime. YVAM chillers can return to pre-power failure operating capacity in as little as three minutes once power is restored.

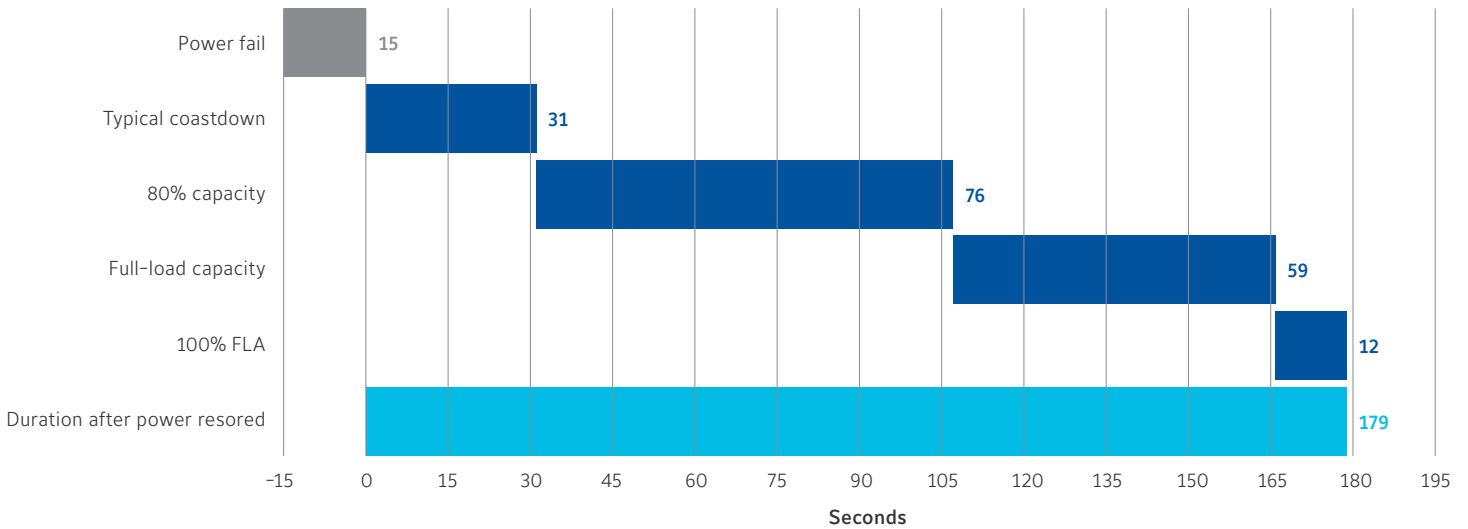
Several factors can alter or improve the recovery times of a chiller with the Quick Start feature, including the specific

chiller configuration, the duration of the power interruption, and the operating condition prior to a power failure.

A performance test can be requested to witness restart times and capacity recovery for your specific chiller, design parameters, and length of power failure.

For details on a YVAM chiller with the Quick Start feature, or to learn more about other Quick Start feature offerings, contact your local Johnson Controls branch today.

Figure 1 – Example of restart and capacity recovery time for a YVAM chiller after 15-second power failure



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