

YK Water-cooled centrifugal chiller

Cooling capacities from 800 kW to 11250 kW



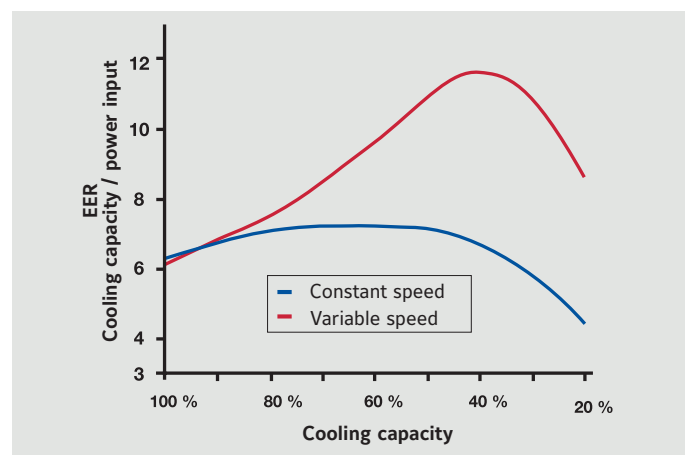
“Tailor and tune” customized units around job specific design.

Old but Bold, wondering why?

- Cooling capacity up to approx. 4500 kW with standard 400V VSD; custom made unit can reach 11250 kW.
- 30+ years of experience in the market, with R134a and unit mounted Variable Speed Drive starter.
- The YORK YK chiller is designed for air conditioning and process applications where very high cooling capacities are required, available also with medium voltage supply.
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- The high efficiency single-stage centrifugal compressor is powered by an open-drive motor. This provides flexibility to operate the chiller with electricity, steam, or gas depending on utility rates. Lubrication by oil.
- The YK utilizes a falling film evaporator to increase chiller efficiency and reduce refrigerant charges.
- The inherent design flexibility of this chiller allows it to be precisely selected for any building load profile.
- The YK provides the highest flexibility for customization and its small footprint design with R513A make it ideal for retrofit applications too. **Available now with R1234ze refrigerant option for improved sustainability.**



OptiView panel



Speed comparison

Refer to <https://www.ahrinet.org/wccl> for water cooled Program Scope, Inclusions, and Exclusions as some options listed herein fall outside the scope of the AHRI certification program. For verification of certification, go to the AHRI Directory at www.ahrirectory.org

Water-cooled centrifugal chiller

YK



YK are customized centrifugal units with job specific design. See below table as a reference.

Nominal capacity

Model	Code	Cooling capacity kW (HFC refrigerants)
YK	Q3 - Q7	800 - 2100
	P7 - P9	1750 - 2800
	H9	2400 - 3800
	K1 - K7	3200 - 9850

Cooling capacities at 7°C leaving chilled water and 30°C entering condensed water.

The table above shows only a representative sample of performance points based on generic project operating conditions working with R513A and R134a refrigerants. For R1234ze information contact your JCI Representative.

Heat Recovery

The YK Heat Recovery option can be used for domestic hot water preheat, process heat, facility air reheat, and humidity control. Heat recovery delivers operational savings, CO2 reductions, and reduced water consumption.



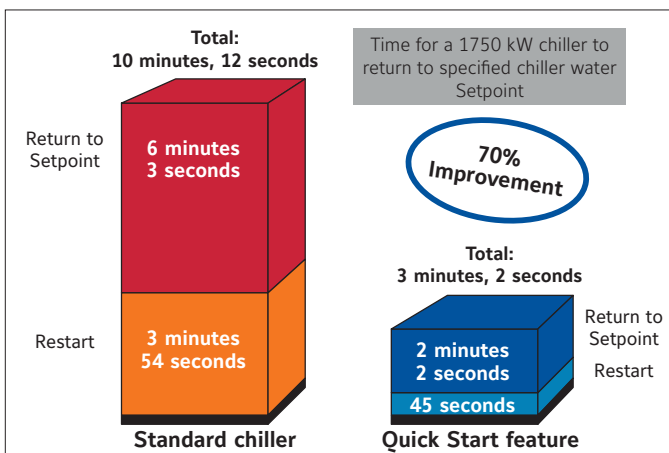
Medium Voltage Variable Speed Drive

YORK has a full line of unit mounted and floor mounted Variable Speed Drives, from 380V to 11,000V, to maximize operational savings at off design conditions; which typically occur 99% of the time!



Quick Start (only available for VSD units)

Utilize Quick Start technology to improve chiller starting times and get back to setpoint up to 70% faster than standard chiller designs!



Manufacturer reserves the rights to change specifications without prior notice.