

TruClimate 300

Water-Cooled Chiller with HybrEx™ Technology

Large Commercial | 30 & 50 Ton



Formerly known as WC HybrEx™ Chiller

Water-Furnace.
Commercial Solutions

REDUCED FOULING AND CLOGGING

When using an open loop cooling tower for heat rejection, fouling and clogging can occur within the condenser heat exchanger which can lead to untimely down time and require additional flushing and cleaning. To address this problem, the TruClimate 300 Water-Cooled Chiller with HybrEx™ Technology utilizes a highly robust heat exchanger for the condensing side of the chiller. With the robust designed condenser, the chiller is less prone to fouling, doesn't sacrifice efficiency and is highly efficient for heat transfer. WaterFurnace's newest chiller offers superior reliability and serviceability in a modular design - all without sacrificing efficiency or space.



Single Point Power

MODULARITY & FLEXIBILITY

We designed the TruClimate 300 Chiller to be adaptable so it can fit as many applications as possible.

SMALL FOOTPRINT

With widths starting at 28 inches, all models can fit through a 36-inch doorway. Based on powerful Niagara N4 network, HydroLink controls offers standalone operation or seamless integration with building automation systems.

- Utilizes HTML5 for improved data and graphics interface
- Enhanced security that allows levels of role-based access control and stronger passwords
- Supports BACnet MSTP & IP communication protocols

ADD-ON CAPABILITIES & MIXTURE OF UNITS

Banks up to 12 modules with 24 compressors, which can be fixed speed or lead variable speed or a combination of both.

IDEAL FOR RETROFITS OR NEW CONSTRUCTION

Designed to be an easy retrofit for older models, as well as a space saving design for new construction. The 30 ton unit operates under 30 horsepower for lower operating costs and doesn't require stationary engineer.

WIRING SIMPLIFICATION

When the single point power option is selected, the unit comes pre-wired, which reduces installation time, labor, and cost. Our pre-engineered wiring solutions offer flexibility for varying bank configurations.



Designed to fit through a standard doorway



Easily fits onto a freight elevator

SERVICEABILITY

The TruClimate 300 Chiller puts technology to work for you. The system is fully integrated with our advanced Hydrolink controls platform for easy monitoring and maintenance. Plus, there are built-in mechanical features to simplify things even more.

PREMIUM CONTROLS

- HydroLink2 controls platform provides supervisory control over the chiller bank operation.
- Simple and easy-to-read 10-inch touchscreen HMI display provides intuitive navigation.
- Available refrigerant, energy and performance monitoring
- Preventative maintenance alarms provide service reminders
- Modulating isolation valves provide additional refrigerant head pressure control.
- Integrated supervisory control panel for simple and fast plug-and-play installation (no separate panel required).

MECHANICAL

- Integrated strainers provide easier maintenance and can be serviced independently.
- The robust condenser reduces the probability of fouling and reduces the standard cleaning and flushing interval. Isolation valves are provided on each heat exchanger for improved serviceability without interrupting chiller bank operation.
- Designed to allow easy access for annual maintenance and heat exchangers cleaning-in-place.



Easy access panels for servicing

RELIABILITY

WaterFurnace prides itself on manufacturing a product you can trust. We've built in many features to ensure your TruClimate 300 Chiller will be in service for years to come.

TRUE VARIABLE SPEED

Our optional lead variable speed compressor employs true variable speed, which is designed for large turn down ratios and oil pumping at low speeds. The chiller has the ability to modulate to match the load of the space.

FACTORY CHARGED & TESTED

Having the manufacturer handle the delicate and technical service of system charging ensures peak-performance. A run-test report from WaterFurnace's Chiller Lab can be requested to show complete diagnostics.

EQUAL RUN TIME DISTRIBUTION

Not only do we do lead lag rotation on the compressors of each module, but the supervisory controls also equalize the run time across each module. This balances usage and is all managed internally to the control sequences.

SAFETY FEATURES

Head pressure control is maintained using modulating isolation valves. This allows the chiller to be operated under a wide range of temperatures. Because it's monitored at each individual module and not system wide, there's no single point of failure. The redundancy of refrigeration circuits and chiller modules provides additional reliability.



HydroLink2 Controls with powerful Niagara N4 network



Integrated Supervisory Control Panel



ASK US HOW YOU CAN SAVE UP TO 50% ON YOUR NEXT COMMERCIAL PROJECT

With the Inflation Reduction Act, projects completed with a geothermal loop and heat pumps may qualify for:

- 30% bonus rate
- 10% bonus rate for domestic content
- 10% Energy Community bonus
- Up to \$5 per square foot tax deduction
- 5-year accelerate depreciation and a 1-year bonus depreciation



SCAN TO
LEARN MORE



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