



WATER COOLED MODULAR SCROLL CONDENSING UNITS

FOR USE WITH COOLING TOWERS & GROUND SOURCE SYSTEMS
THE ONLY TRULY MODULAR CHILLER

WATER COOLED CONDENSING UNITS - WCUX SERIES

Range – dual 5 hp up to dual 40 hp compressors using 410A for standard Condensing units with the maximum number of 12 in one group.

Water Cooled Condensing Units Model WCUX

- Standard 410A chillers the maximum condensing temperature is 105°F down to -20° F during winter months).
- AHRI certified and UL 1995 approved.
- 8 models to choose from.
- 20, 30, 40, 50, 60, 70, 75 and 85 ton chillers with dual high efficiency scroll compressors.
- Chillers are dual refrigeration circuit up to 85 tons.
- Dual circuit high efficiency brazed plate evaporators and condensers.
- Evaporator and condensers are oversized to increase efficiency of the chiller.



Features and Benefits

SMALL COMPACT SIZE: Makes it easy to get to those out of the way mechanical rooms when moving through narrow doors, halls and small elevators. The water header assembly can be removed to make the condensing unit even smaller.

EASILY INSTALLED: The modular units are shipped complete with panels and water headers, once in position all that needs to be done is connect the main headers to each other, the refrigeration piping to the evaporator and connect the main power to the chiller. Simplifying the installation reduces installation time and cost.

EASILY EXPANDED: Just add a new chiller to the end of the existing row, connect up the main headers, the refrigeration piping to the evaporator and main power and you are done. Twelve (12) chillers can be connected in one row.

This process can be made easier by installing the main water headers with shut-off valves during the first phase and just slip future chiller(s) into place and connect up to branch header valves. This is all done without interruption to the rest of the system.

EASILY REMOVED: It takes only one hour to remove a chiller for service without interruption to the rest of the system and is re-installed just as easily. Having the option to remove and replace the chiller for service when you want not when the cooling season is over.

EASY TO OPERATE: Our large LCD displays in each chiller allows the operator to read operating and fault conditions in English and with our larger display on the System Remote Master it is even easier to see the status of each chiller in the group. Both displays have key pads for entering or retrieving data and monitoring the many display screens.

BAS COMMUNICATIONS: Available for both a stand-alone units or for a group of units through the System Remote Master. Choices available are BACnet IP, BACnet MS/TP, Modbus and LonWorks.

If communications is not an option you can remote start the chiller or system, receive an alarm output and change the set point with a 4 to 20 ma signal.

OUTSTANDING RELIABILITY: Our advanced chiller design incorporates dual High Efficiency SCROLL compressors with dual refrigeration circuits, oversized dual circuit stainless steel copper brazed plate condenser, all necessary refrigeration components and safety controls. Combined with our exclusive INTELLIGENT CHILLER control system insures year-round reliable chiller operation for many years.

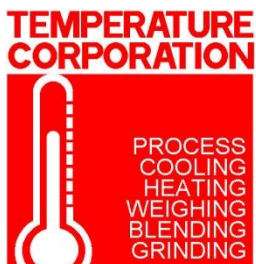
UNSURPASSED OPERATING EFFICIENCIES: With high efficiency 410A SCROLL compressors, oversized evaporator and condenser we achieve some of the lowest kw/ton and highest EER's in the industry to-day.

EXTRAORDINARY SAFETY PROTECTION: With our exclusive "INTELLIGENT CHILLER" control system that senses all of the following points to prevent nuisance trips while protecting your chiller: Compressor operating temperatures and pressures, condenser water temperatures, phase reversal, under/over voltage, compressor internal protection, rotates compressors on a first in – first out basis to equalize both run times and compressor starts.

We have designed the best ongoing preventative maintenance program possible for your chiller.

WITH OVER 40 YEARS EXPERIENCE DESIGNING AND BUILDING CHILLERS AND CHILLING SYSTEMS, WE CAN ASSIST YOU THROUGH THE DESIGN, INSTALLATION AND START-UP OF YOUR SYSTEM.

CONTACT INFORMATION



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