

New Modular Chiller Harnesses both Air and Water to Provide Simultaneous Heating and Cooling, Without Geothermal

ClimaCool modular chiller eliminates energy waste; uses only what's needed to reduce total cost of ownership

LAS VEGAS – Jan. 30 – Feb. 1, 2017; AHR EXPO, Booth C1113 —Efficiently generating hot and cold water is important to controlling costs and energy. While most buildings rely on separate equipment and traditional technology for heating and cooling, it often leads to wasted energy and higher operating and installation costs. For some, geothermal is the answer for achieving high levels of energy efficiency; however, it requires substantial infrastructure that's not always feasible. To fill this gap and deliver only the energy needed, and nothing more, ClimaCool introduces an industry leading modular chiller that harnesses both air and water to achieve simultaneous heating and cooling, without geothermal.

Three modes of operation: added flexibility without the compromises

The product, referred to as the Simultaneous Heating and Cooling Air Cooled Heat Pump with Integral Water to Water Heat Recovery, deepens ClimaCool's modern approach to modular chillers and extends the company's broad line of chillers. By offering all the benefits of geothermal, without the need for geothermal well fields or other source/sinks, ClimaCool's new chiller eliminates compromises and offers a new level of design flexibility in how it can be configured and applied. The chiller operates in three modes: cooling, heating or heat recovery allowing buildings to harness energy already being produced, but not used. The chiller's unique design only uses what's needed, further eliminating energy waste.

Greater energy control with minimal capital investments reduce total cost of ownership

"Our customers are looking to achieve dramatically different outcomes from their HVAC systems so it's not enough to make incremental changes in product design. We've taken a pragmatic approach that delivers unexpected benefits," said Tom McDermott, director of sales at ClimaCool. "With our newest modular chiller, we're able to more effectively control both energy and operating costs. The combined heating and cooling feature further minimizes costs by eliminating the need to purchase separate boilers and chillers."

True redundancy eliminates downtime and simplifies maintenance

Unlike traditional chillers, the modular chiller is designed with separate electric feeds, providing true redundancy so the chiller is never offline, even during routine maintenance. With the separate feeds, individual modules within the chiller bank can be taken offline for servicing, expansion or replacement, without impacting system performance. The simple design and off-the-shelf components eliminates the

need for factory service techs, allowing easier maintenance by service contractors. Its outdoor design also requires a small footprint in applications where geothermal may have been a consideration.

The new chiller will be represented at the AHR EXPO Las Vegas January 30 – February 1. For more information regarding the chiller or ClimaCool's suite of products, visit booth C1113 or visit

<http://modularchillers.climacoolcorp.com>.

About ClimaCool

[ClimaCool](#), a subsidiary of NIBE Industrier AB of Sweden, is a leading manufacturer of modular chillers and packaged rooftops for commercial HVAC applications. The people at ClimaCool are on a mission to prove system performance and environmental leadership go hand in hand. Every day, they work to defy HVAC status quos in order to deliver unmatched flexible platform product designs, leading efficiency, sustainability and lowest total cost of ownership.

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