



NEWS RELEASE
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New high-efficiency horizontal and vertical water source heat pumps from Mammoth, Inc. offer an EER up to 21.0 and COP up to 5.6

High-efficiency units deliver energy savings, help earn points toward LEED certification

Minneapolis, MN (November 17, 2011)—New A-Vintage horizontal (½ to 6 tons) and vertical (1 to 6 tons) [water source heat pumps](#) from Mammoth provide industry-leading energy efficiency in geothermal and boiler/tower heating and cooling applications. With an energy efficiency ratio (EER) up to 21.0 and a coefficient of performance (COP) up to 5.6, units can help lower energy consumption, operating costs and the carbon footprint of an HVAC system over its life cycle. In addition, A-Vintage units can contribute to higher energy rebates and help earn the maximum eligible points for optimizing energy efficiency in pursuit of LEED certification.

“New A-Vintage units build on our already impressive line of ½ to 70 ton R-410A water source heat pumps, which also include our standard efficiency U-Vintage units available in the same sizes,” said Dennis Nelsen, product manager for Mammoth. “While water source heat pump systems—especially [geothermal systems](#)—are among the most efficient means to heat and cool buildings, the industry-leading EER and COP of A-Vintage units provide the opportunity to push that envelope even further for the lowest possible energy consumption and carbon footprint in support of our customers’ green building objectives.”

To achieve high efficiency ratings and maintain peak efficiency throughout their operating range, A-Vintage units incorporate a three-speed PSC motor for sizes 006 to 012 and electronically commutated motor (ECM) for sizes 015 to 072, as well as a two-stage scroll compressor for sizes 024 to 072. Units are ETL listed and AHRI/ISO 13256-1 certified for capacity and efficiency.

Several control options are available to meet different needs for system monitoring and management. The HP-5 controller provides easy, reliable and stand-alone control. A standard DDC controller can easily be customized to meet any sequence of operation required in standalone mode or while connected to a Building Automation System (BAS) that uses industry-standard protocols (BACnet, Modbus, N2 and LONTALK). An optional EPiC™ controller combines a software approach that works over a wide range of control protocols with specific hardware interconnection tools.

To learn more about Mammoth A-Vintage water source heat pump systems, visit www.mammoth-inc.com.

About Mammoth

Mammoth, Inc., a CES Group company, manufactures innovative custom air conditioning solutions for controlling the environment inside of commercial, institutional and industrial buildings and in manufacturing processes. Solutions include custom-packaged HVAC systems, penthouse systems, vertical self-contained systems, replacement multizone rooftop systems, water and ground source heat pumps, and EPiC DDC Controls. Learn more about Mammoth solutions at www.mammoth-inc.com.

About CES Group

CES Group, LLC, serves its customers with more than 224 combined years of custom design, engineering and manufacturing experience. CES Group companies can provide innovative, cost-effective solutions for today's most challenging HVAC requirements for customers with

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commercial, industrial and institutional indoor environments. Products are sold under such leading brands as CLEANPAK[®], Governair[®], HUNTAIR[®], Mammoth[®], Temtrol[®], Venmar CES[™], Ventrol[®], WEBCO[™] and Eaton-Williams[®]. Learn more about CES Group at www.ces-group.com.

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