



Mammoth® *Evaporative-Cooled* Replacement Chillers

Upgrade Your HVAC System Performance

 Mammoth®



Custom, packaged, replacement chiller solutions



Upgrade Your System with Mammoth® Chillers

Find it hard to be “green,” when faced with an aging, inefficient, or unreliable water chiller? Wonder how to replace or upgrade it within the same footprint? Want to reduce the sound levels of the equipment? If so, contact your local CES Group™ representative to find out more on how Mammoth chillers can make what looks like the impossible, possible.

Why settle for a “catalog” compromise when Mammoth can provide a cost-effective, custom-engineered solution that meets your needs—performance, sound levels, footprint, timeline, and budget. That’s what you get when you work with a custom manufacturer—you get superior performance without compromise.

Mammoth offers the most comprehensive portfolio of custom chiller products in the industry. We can provide high efficiency chillers with either air-cooled, water-cooled, or evaporative-cooled condensers.

Chillers with evaporative-cooled condensers have grown in popularity for many reasons. Evaporative-cooled chillers:

- require up to 40 percent less compressor energy to operate than an air-cooled condenser chiller, depending on climate;
- have up to a 50 percent smaller footprint than a comparable air-cooled condenser chiller because less coil surface area is required, and they move less air;

- use noise abating construction, double wall cabinets, condenser fan silencers, or variable speed condenser fans, and move less air, making them quieter than comparable air-cooled chillers;
- can utilize a waterside economizer option for free cooling during mild temperatures;
- can be situated on the roof or alongside a building, freeing valuable indoor space.

More Than Just A Chiller

Often a business has additional equipment (pumps, electrical panels, boilers, air compressors, or water conditioning systems) in need of replacement. Many designers have found Mammoth’s custom cabinet design ideal for co-locating ancillary equipment—saving both design time and installation costs.



Mammoth Quiet

Achieve sound levels never thought possible from a chiller with Mammoth’s quiet design options. Low-sound fans and sound abatement enclosures, smooth running compressors, and controls for low sound operation aid designers faced with placing units near occupied spaces or sensitive property lines. Work with Mammoth-WEBCO and gain access to decades of acoustical application knowledge supported by a AMCA 300 accredited sound-testing laboratory.



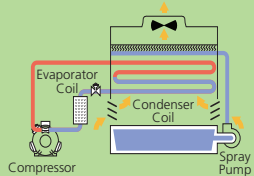
CES Group’s AMCA 300 accredited sound- and thermal-testing laboratory

Why Mammoth®

Since 1935, Mammoth-WEBCO, Inc. has offered powerful solutions for controlling air and fluid temperatures with some of the most innovative technology ever developed. So it comes as no surprise that our solutions are found maintaining indoor environments and processes in some of the world’s most important buildings.

Never has there been a time when you have as much flexibility at your command than what you have when you work with Mammoth-WEBCO. When you want to squeeze out every BTU or CFM of performance in a cost-effective, energy-efficient package, you want to work with the professionals at Mammoth-WEBCO.

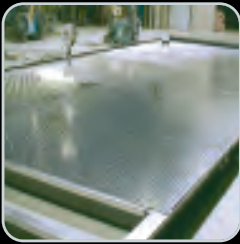
Green Tip



Evaporative-cooled chillers reduce:

- Compressor energy use
- Unit sound levels
- Unit footprint

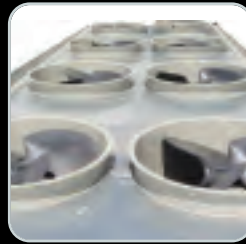
Mammoth® Chillers—Factory Packaged Quality



Cabinet construction to meet your footprint



High efficiency scroll, screw, and centrifugal compressors and refrigerants: R410A, and R134a



Low sound options for condenser fans



Evaporative-cooled condensers with chemical free water treatment



Factory pump and piping package options



Electrical control centers and DDC options



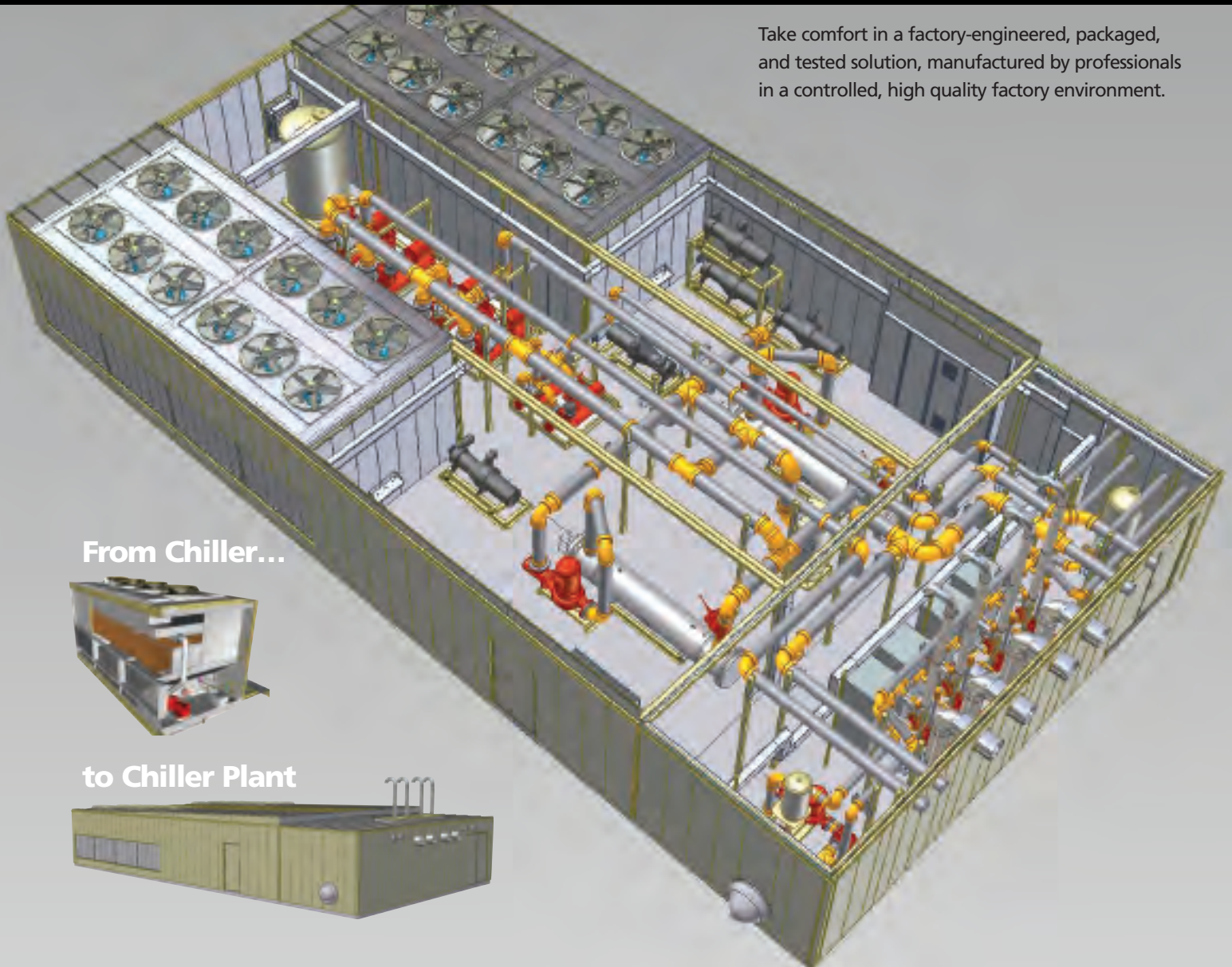
Boilers and water heaters are easily integrated



An ideal location for standby generators

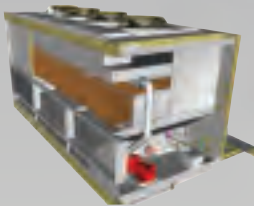


Other products like air compressors and medical devices easily fit inside



Take comfort in a factory-engineered, packaged, and tested solution, manufactured by professionals in a controlled, high quality factory environment.

From Chiller...

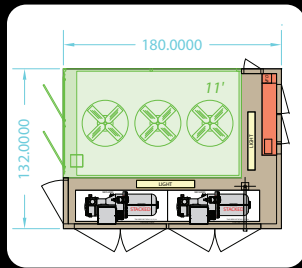


to Chiller Plant

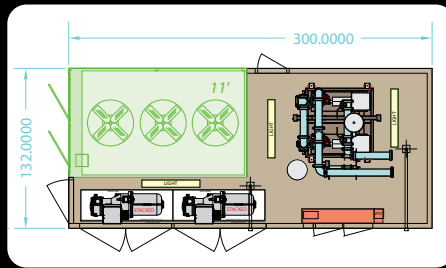


Mammoth® *Flexibility* To Meet Your Needs

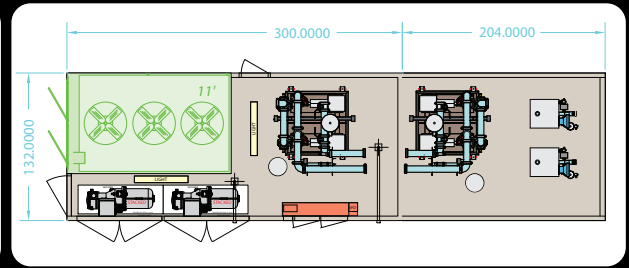
125–150 Ton Examples



Evaporative-cooled chiller



Chiller, system pumps, and piping package



Chiller, system pumps, boiler, and boiler pumps

Mammoth® Evaporative-Cooled Chiller Options

Capacities

50–500 tons

Construction Types

1, 2, or 3-inch single- or double-wall

Metal Types

Pre-painted galvanized
Galvanized
Stainless steel
Architectural siding
Solid or perforated panels

Insulation Types

Fiberglass, mineral wool
Hybrid foam
Thermal break

Floor Types

Galvanized fastened with screws
Aluminum tread plate, fastened with screw
Galvanized or painted tread plate, fastened with screws
Stainless steel solid or tread plate, fastened with screws

Electrical

Simple to sophisticated electrical service
DDC controls
VFDs
Lighting and outlets

Refrigeration

R410A and R134a “green” refrigerants
Scroll, screw and centrifugal compressors

Creating the right indoor environment is a challenge we understand. That is why our approach in the industry is to provide custom-engineered solutions to meet your needs. Let your CES Group representative show you how a Mammoth may be the best solution for your facility needs.



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