



Low Charge Packaged Ammonia Chillers

AIR COOLED



The natural evolution of ammonia refrigeration



for LIFE

An Employee Owned Company



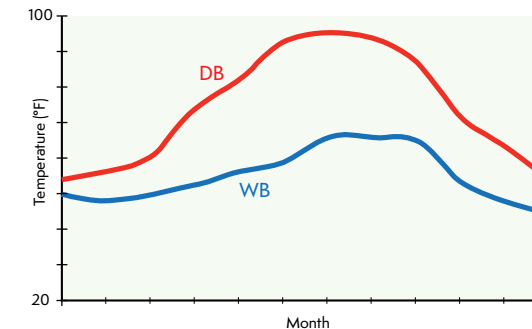
for LIFE

Optimize your condensing technology for your application. Ask an Evapcold expert which of the full spectrum of LCR-C Chillers is right for you.



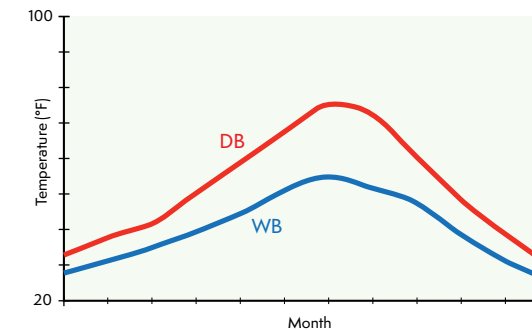
Water-Cooled LCR-C

In dry and hot climates, take advantage of low wet bulb temperatures to maximize energy efficiency. Water-cooled technology also provides the lowest ammonia charge!



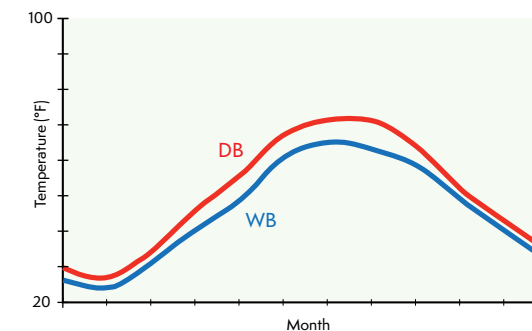
Adiabatic LCR-C

In moderate and dry climates with a short peak season, take advantage of adiabatic technology to trim energy consumption while minimizing water usage and eliminating water treatment.



Air-Cooled LCR-C

In humid and cool climates, air-cooled technology can be leveraged throughout the year. Benefit from simple plug & play installation, easy operation and zero water usage!



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The Natural Leader in Complete Self-Contained Low Charge Ammonia Refrigeration Systems

The Evapcold® Low Charge Refrigeration Chiller - now available with a top mounted air-cooled condenser (LCR-C-A) for complete plug-&-play functionality and single-source responsibility from Evapco.

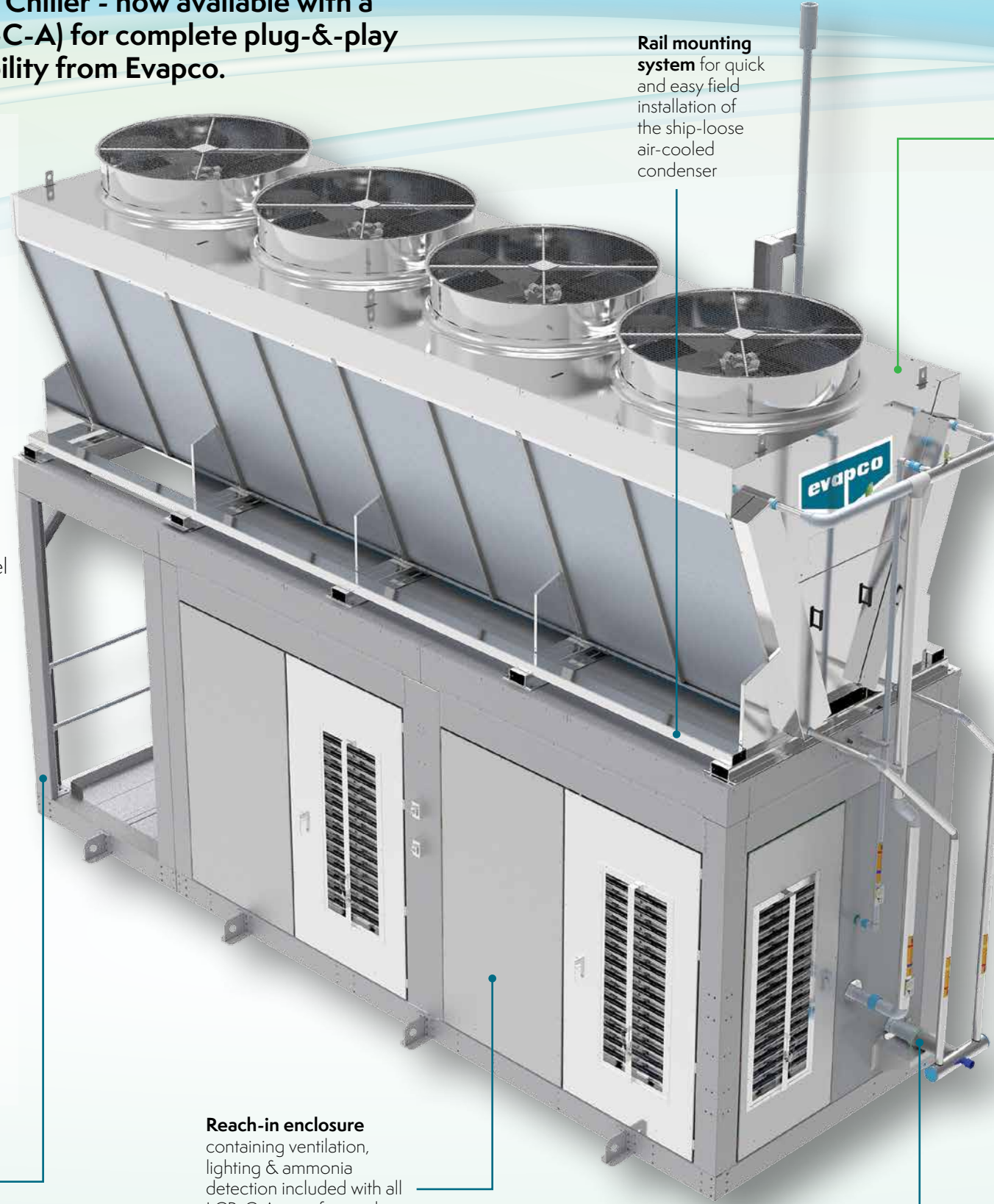
The LCR-C-A provides chilled secondary fluid to serve many diverse applications:

- Over 100 pre-engineered chiller models
- Typical ammonia charges range from 2.5 lb/TR to 5.5 lb/TR depending on condenser selection
- Capacities from 40 TR to 225 TR
- Fluid temperatures from 5°F to 50°F

LCR-C-A Chiller Features

- Zero water usage with air-cooled technology – or minimize water usage with alternate adiabatic technology
- Many product configurations through EVAPCO's unique eco-Air™ condenser selections and ALCOIL® microchannel condensers for SS models
- Roof mounted condenser minimizes footprint - a great solution for space restricted sites! Also available to be mounted separately
- Inherently safer to use – very low NH3 charge
- Environmentally friendly NH3 refrigerant - zero ozone depletion potential and zero global warming potential
- Eliminates ammonia in refrigerated space
- Great for docks, coolers, process & HVAC
- Cost-effective means to serve multiple rooms or cooling loads
- IIAR-2 code compliant and fully tested by EVAPCO
- Robust industrial grade construction including stainless steel piping and galvanized structural steel
- Several optional accessories available, including chilled fluid pump system, cold weather kit, rigging davit for compressor/motor removal and dual compressors

Galvanized steel support provided with the LCR-C-A as required by condenser design



Rail mounting system for quick and easy field installation of the ship-loose air-cooled condenser

Reach-in enclosure containing ventilation, lighting & ammonia detection included with all LCR-C-A units for outdoor installation

Stainless steel condenser piping provided from the factory for simple and fast connection in the field

Energy optimization and footprint minimization can be achieved by utilizing adiabatic technology. Evapco's industry leading adiabatic condensers are a great match with the LCR-C-A Chiller.

Thousands of condenser selections available from EVAPCO's proven eco-Air™ product line, including adiabatic models.



Adiabatic

Benefits of Evapcold® LCR-C Chillers

- ✓ **Quick & Easy Design**
Pre-engineered and factory-tested models in three product families that allow for fast and accurate project designs and installations.
- ✓ **Faster Installation**
Complete factory built modules and many available accessories allow for rapid deployment.
- ✓ **Simple Startup & Robust Operation**
Product line factory testing paves the way to easy startup and operation. Evapcold onsite ACES training, unit startup supervision and expansive documentation give operators the tools to succeed with Evapcold.
- ✓ **Environmentally Friendly & Energy Efficient**
Evapcold LCR-C's use ammonia, a natural refrigerant with zero ODP and zero GWP. As a result, Evapcold units are future-proof and more energy efficient than comparable chillers using other refrigerants.
- ✓ **Numerous Optional Accessories**
On-board pumps and more – Evapcold LCR-C's can be outfitted to meet your application needs, all direct from the factory!
- ✓ **Ease of Maintenance**
Common package industrial designs, reach-in access, and complete operating and maintenance procedures provided by Evapco all allow for easy training and maintenance!



EVAPCO Global Headquarters, Taneytown, Maryland USA

Since its founding in 1976, EVAPCO, Incorporated has become an industry leader in the engineering and manufacturing of quality heat transfer products around the world. EVAPCO's mission is to provide first class service and quality products for the following markets:

- Industrial Refrigeration
- Commercial HVAC
- Industrial Process
- Power

These quality products now include a complete line of low charge ammonia chiller products. Evapcold is manufactured in Greenup, IL, in a new 100,000 sq. ft. building dedicated to the assembly of all components required for the Evapcold system. The Evapcold manufacturing operation utilizes a lean assembly line process which allows fabrication and assembly at the highest quality and shortest lead time.



Evapcold Manufacturing, Greenup, IL



Evapcold LCR-C Chillers coming down the assembly line

LCR-C Chillers are the Ideal Solution for a Wide Range of Applications

Cooler & Dock Cooling Coils

Produce & Banana Room Cooling Coils

Food & Beverage Manufacturing Plants

Process Cooling Loads

Dairies & Wineries

Pharmaceutical

Chemical Plants & Industrial Process

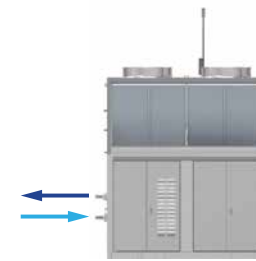
Ice Rinks

Product Line Overview

LCR-C-AM-SS Models

Small Capacity
Single Compressor Models

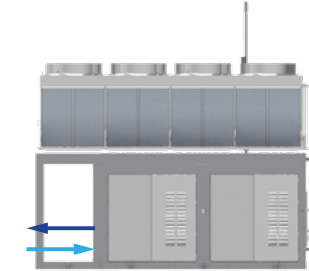
40 to 100 TR @ 22°F glycol
6'8" W x 19'8" L x 16'7" H
Avg. Weight 30,000 lbs.



LCR-C-A-LS Models

Large Capacity
Single Compressor Models

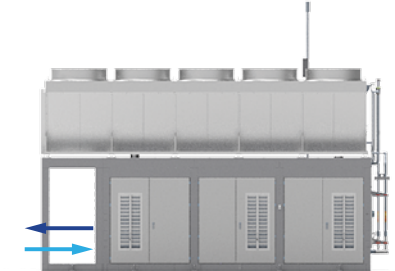
100 to 200 TR @ 22°F glycol
7'8" W x 30' L x 18'4" H
Avg. Weight 39,500 lbs.



LCR-C-A-LD Models

Large Capacity
Dual Compressor Models

100 to 200 TR @ 22°F glycol
7'8" W x 30' L x 18'4" H
Avg. Weight 45,000 lbs.



■ Chilled Fluid Out ■ Chilled Fluid In

LCR-C-A Internal Components

- High efficiency plate & frame flooded evaporator
- Relief header riser
- eco-Air™ condenser VFD and controls mounted in separate panel in LCR-C enclosure
- Optional redundant chilled fluid pumps
- High pressure receiver with liquid injection oil cooling supply
- Power panel includes starters and single-point 460V field electrical connection
- Microprocessor control with touch screen interface and remote monitoring capabilities
- Variable speed screw compressor for very efficient capacity control and part load operation
- Rigging davit for compressor and motor removal