

Ice-Ready™ Rooftop Units

PRODUCT OVERVIEW



ICE ENERGY®

INTELLIGENT STORAGE AT WORK.™

DESCRIPTION

Ice-Ready™ rooftop units (RTUs) are perfect complements to the Ice Bear® system in new construction, renovation, and replacement applications. The Ice-Ready option specifies the addition of an Ice-Coil™, a dedicated evaporator coil installed adjacent to the DX coil in the RTU, to allow for easy connection and optimal performance as a Hybrid Cooling™ system. Hybrid Cooling allows the Ice Bear system to provide cooling during the hot afternoon peak hours by circulating R-410A refrigerant to the Ice-Coil, leaving the conventional mechanical cooling of the RTU available during all other times of day as needed.

The Ice-Ready option is available for a select set of rooftop units from leading manufacturers in 4 to 20 ton capacities. See the Selection Guide for Ice-Ready™ Products for currently available makes and models. These units have been tested to ensure they meet or exceed specifications for air flow and cooling performance in both DX and Ice Cooling modes. Ice-Coil™ Kits are also available to retrofit existing RTUs approved for operation with the Ice Bear® system.

KEY BENEFITS

Cuts Hybrid A/C Installation Time and Cost

- Ice-Coil™ addition completed by qualified modifier and shipped ready-to-install to job site
- Follows standard RTU specification and installation procedure, eliminating the need for special on-site modification
- Ideal solution for integrating Hybrid A/C into new construction, renovation, or RTU replacement applications

Operates Seamlessly with the Ice Bear® Hybrid Air Conditioner

- Integrated Ice-Coil is factory designed and tested for optimal performance as Hybrid Cooling solution
- Provides on-peak cooling using the Ice Bear unit and Ice-Coil; operates in normal DX mode during non-peak periods
- Ice-Coil refrigerant lines designed for ease of connection to the Ice Bear unit

Available in 4 to 20 Ton Capacity Models by Leading Manufacturers



ORDERING

Please visit our website at www.ice-energy.com for the latest Selection Guide for Ice-Ready™ Products.

- Select desired rooftop unit from among Ice-Ready compatible sizes and models
- Order rooftop unit from a preferred distributor or directly from approved modifier with instructions to include the Ice-Ready option

WARRANTY

The Ice-Coil™ and its installation are provided with a limited warranty against defects in workmanship and materials. The rooftop unit maintains the original warranty from the manufacturer. No alterations are made to the base unit DX refrigerant circuits.

Currently available for select models by York®, Trane®, Lennox® and Carrier®

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Ice-Ready™ Rooftop Units

TECHNICAL SPECIFICATIONS



ICE ENERGY®

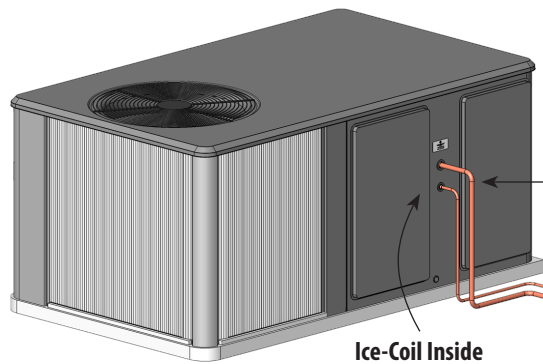
INTELLIGENT STORAGE AT WORK.™

TYPICAL CONFIGURATION

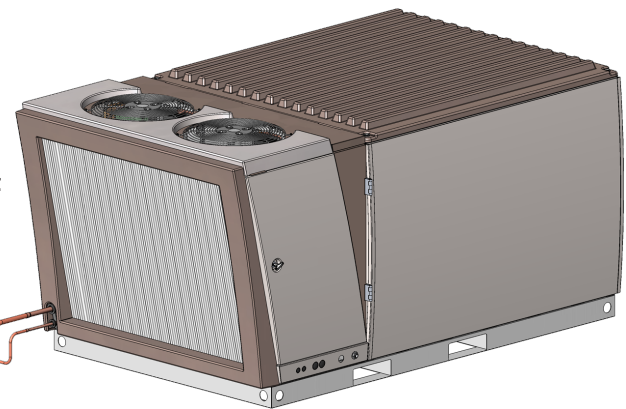
Designed for fast and reliable connection to most air conditioning systems and requiring no modification to existing ductwork or structure, Ice Bear Hybrid A/C units integrate seamlessly with conventional 4-20 ton rooftop and split-system air conditioners that cool most light-commercial buildings. Each Ice Bear unit can fully offset the peak demand of a 4-5 ton system, or one stage of a 7.5-20 ton system.

Ice-Ready™ Rooftop Unit

(Available for select models by Carrier®, Lennox®, Trane® and York®)



Ice Bear® 30 Hybrid Air Conditioner

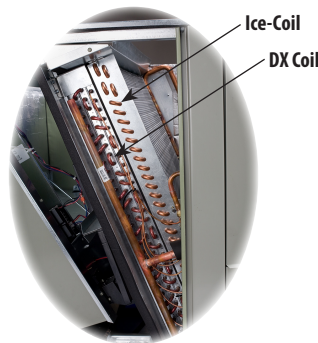


Ice-Coil™ refrigerant line connections

Ice-Coil Inside

ICE-COIL™

- Dedicated evaporator coil for Ice Cooling
- Installed adjacent to and downstream of existing DX coil
- No modifications are made to the base unit DX refrigerant circuits



SPECIFICATIONS

Line Set Restrictions

- | | |
|---|----------|
| • Length (Ice Bear to Ice-Coil) | 150 feet |
| • Height (Ice Bear to Ice-Coil above/max) | 35 feet |
| • Height (Ice Bear to Ice-Coil below/max) | 20 feet |

Refrigerant

- | | |
|--------------------------|----------------|
| • Ice-Ready Rooftop Unit | R-22 or R-410A |
| • Ice Bear 30 | R-410A |

ADDITIONAL AIRSIDE SOLUTIONS

The Ice Bear® system is compatible with a complete range of airside solutions, including:

- Ductless evaporators
- Fan coils
- Slab coils

SUPPORT

For assistance with technical or sales support questions contact your Ice Energy representative, call us at 877-542-3232, email us at iceinfo@ice-energy.com or visit us on the web at www.ice-energy.com.

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