Benefits at a Glance

For Consulting Engineers
■ Simple to select
■ ASHRAE 90.1 compliant
■ High efficiency
■ Reduces energy consumption
■ Puron® refrigerant

For Contractors
■ Streamlines installation
■ Reduces installation expenses
■ Reliable performance
■ Easy to start up and operate
■ Plug and play hydronics

For Building Owners & Managers
■ Reduces operating costs
■ Quiet operation
■ Reliable operation
■ Environmentally friendly refrigerant

Selection Guide

For AQUASNAP™

Air-Cooled Chillers

Turn to the Experts.

Whatever your HVAC needs, from specifying and purchasing to installation and maintenance, Carrier has the solution. As the world leader in heating, ventilation and air conditioning, Carrier is committed to continually improving the quality of comfort for our customers.

From concept to finished product, your local Carrier sales representatives will work with you every step of the way. Whether you have one building, multiple sites or complex facility requirements, Carrier sales representatives will recommend a solution that fits your scope and budget.
AQUASNAP™ Air-Cooled Chillers

Leaf it to Carrier to rethink chiller design in ways you will notice the initial push-through installation, and for years afterward. Carrier's AQUASNAP chillers stand quality and reliability, which will continue to add value over time with low operating costs and superior part load performance.

Environmental Leadership
Carrier was the first manufacturer to introduce a non-ozone-depleting refrigerant—a full six years ahead of the competition—paving the way for the future. Carrier is now the industry leader in non-ozone-depleting, non-CFC refrigerants.

Affordability / Installability
Our AQUASNAP chillers feature an all-in-one package design: AQUASNAP air-cooled chillers are available with or without an integrated pumping package. The preassembled design is a cost-effective, time-saving solution for the end user.

Quiet
AQUASNAP chillers are being heard a long way, but they are doing it very quietly. The standard AeroAcoustic fan is almost silent as it circulates air through the condenser coils, and a high-frequency plate heat exchanger makes noise at most unwanted. AQUASNAP air-cooled chillers are ideal for sound-sensitive environments. In addition, AQUASNAP chillers offer a low sound feature.

Availability / Installation
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Efficiency
In addition to the low purchase and installed costs, AQUASNAP chillers are also low-expansion: AQUASNAP chillers have the highest efficiency with full load energy efficiency ratios as high as 13.0 EER. This translates into operating efficiency at part load conditions, the AQUASNAP chillers maintain their high-efficiency levels. The key to AQUASNAP chillers' great performance is the use of highly efficient scroll compressors. The use of patented sealing techniques allows for high volumetric efficiency and low frictional losses.

Enhanced Controls
The Energy Management Module allows the end user to monitor and control AQUASNAP air-cooled chillers. The ComfortLink™ control system, common across the product offering, makes it easy to monitor and control all AQUASNAP air-cooled chillers. The ComfortLink™ control system is a fully integrated HVAC solution that provides real-time information about chiller performance and diagnostic data. The ComfortLink™ control system reduces start-up time and reduces overall hardware and installation costs. The ComfortLink™ control system also includes both remote and local control, allowing for easy integration with Building Management Systems (BMS).

The Right Level of Control

Available Interface Devices
Available interface devices include:
- Single/Double Capacity 15.5 to 60 HP
- Single/Double Capacity 60 to 90 HP
- Single/Double Capacity 90 to 120 HP
- Single/Double Capacity 150 to 300 HP
- Single/Double Capacity 300 to 390 HP

Powerful Choices

Wide Operating Range
AQUASNAP chillers operate year-round, even in extreme temperatures. From -20°F to 105°F, AQUASNAP chillers provide chilled water reliably and efficiently.

Coil Corrosion Options
AQUASNAP chillers offer a complete set of choices for condenser coil corrosion protection. These options include:
- Copper Coils
- Copper Coils with Copper Tube
- Epoxy Phenolic Coating
- Epoxy Phenolic Coating with Corrosion Applied Electrostatically

Structural Integrity
The AQUASNAP chillers can be easily adapted to any roof and can be easily adapted to any building. The AQUASNAP chillers are built in. The compressor is also maintenance-free and protected by an auto-adaptive control that minimizes wear.

Scroll Compressor
Scroll compressors only have one moving assembly, the rotating orbiter. With just this one critical component in the compression process, reliability is built in. The compressor is also maintenance-free and protected by an auto-adaptive control that minimizes wear.

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AQUASNAP™
Air-Cooled Chillers

Environmental Leadership
Carrier was the first manufacturer to introduce a non-ozone-depleting refrigerant—R22—an eight years ahead of the competition—paving the way for the future. Carrier is now the market leader in air-cooled chillers. All of the AQUASNAP™ chillers from 60 to 200 tons are ammonia with Puron® refrigerant.

Quiet
AQUASNAP chillers are hearing is big impact in the market, but they are doing it very quietly. An standard motorized fan is almost silent as a traditional single stage chiller. The noise is so low that it is not noticeable even in environments with frequencies where noise is not an issue, which makes AQUASNAP air-cooled chillers ideal for sound sensitive environments. In addition, all AQUASNAP chillers offer a low sound feature.

Affordability / Installability
AQUASNAP™ chillers are air-cooled chillers available with an all-in-one package design. The package includes all the components necessary to begin operation, making the installation process simpler and faster. The preassembled and integrated hydronic package is more than just a pump; it is an entire chilled water system, including:

- Strainer
- Single/Dual Pump
- Flow Switch
- Expansion Tank
- Flow Regulator
- Puron® Refrigerant
- Copper Fin/Copper Tube
- Durable epoxy-phenolic coating
- Flexible epoxy polymer coating
- AQUASNAP chillers are designed in ways you will notice at the initial purchase, through installation, and for years afterward. Carrier’s AQUASNAP chillers offer the best protection on the market for corrosion resistance. With such a structurally sound base, no perimeter base rail is needed.

The Right Level of Control
The ComfortLink™ control system, common across the product offering, makes it easy to monitor and control each AQUASNAP™ air-cooled chiller. The ComfortLink™ control is a user-friendly interface that greatly reduces start-up time. All AQUASNAP chillers are ComfortNetwork™ ready. With external interface devices, compatibility with other manufacturer’s Building Management Systems (BMS) is easily accomplished.

Available Interface Devices
The ComfortLink™ control system includes the following interface devices in a simple to find the required information for start up and service.

- The Scrolling Marquee display provides easy-to-read information about chiller performance and diagnostic data. The large LED display is easy to read in any lighting condition. Large control buttons are easily accessed by gloved hands.

Enhanced Controls
The Energy Management Module adds energy management functions such as demand trim, load shed, and water temperature reset capabilities. These features provide added control for reduced energy usage.

Powerful Choices
Wide Operating Range
AQUASNAP chillers operate year-round, even in extreme temperatures. From -20°F to 125°F, AQUASNAP chillers provide chilled water reliably and efficiently.

Coil Corrosion Options
AQUASNAP chillers offer a complete set of choices for condenser coil corrosion protection. These options include:

- Copper fin/Copper tube
- Double epoxy-phenolic coating
- Durable epoxy-phenolic coating applied electrostatically

Structural Integrity
The framework is industrial quality galvanized steel for maximum structural integrity. The side panel and painted galvanized frame with Samson™ coating provides the best protection on the market for corrosion resistance. With such a structurally sound base, no perimeter base rail is needed.

Scroll Compressor
Scroll compressors only have one moving assembly, the rotating orbiter. With just one critical component in the compression process, reliability is built in. The compressor is also maintenance-free in water-cooled application. Two-stage, oil-less, self-adaptive control that minimizes wear.

AQUASNAP™
A powerful choice for your next air-cooled chiller needs.

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AQUASNAP™
Air-Cooled Chillers

Environmental Leadership
Carrier was the first manufacturer to introduce a non-ozone-depleting refrigerant - a full six years ahead of the competition – paving the way for the future. Carrier is now the foremost manufacturer of non-ozone-depleting refrigerant chillers. All of the AQUASNAP™ chillers from 60 to 500 tons come standardized with Puron™ refrigerant.

Affordability / Installability
Many AQUASNAP™ chillers feature an all-in-one package design. AQUASNAP air-cooled chillers are available with or without an integrated pumping package. This prepackaged design is housed in a factory-enclosed compartment with pre-painted, normal temperature-rated exterior panels. The entire compartment is individually tested to ensure the components inside are fully functional. The entire package weighs over 2,000 pounds. This makes installation easier and faster.

Efficiency
In addition to the low purchase and installed costs, AQUASNAP™ chillers also boast energy efficiency. AQUASNAP™ chillers have industry-leading efficiencies to greatly reduce energy costs. The Scroll compressors only have one moving assembly, the rotating orbiter. With just this one critical component in the compressor, there is no need to introduce a non-ozone-depleting refrigerant – a full six years ahead of the competition. AQUASNAP™ chillers are CARB compliant and are built to meet the latest energy efficiency guidelines.

Quiet
AQUASNAP™ chillers are nearing 80% energy efficient. In addition to this, the AQUASNAP™ chillers also have industry-leading efficiencies to greatly reduce energy costs. The Scroll compressors only have one moving assembly, the rotating orbiter. With just this one critical component in the compressor, there is no need to introduce a non-ozone-depleting refrigerant – a full six years ahead of the competition. AQUASNAP™ chillers are CARB compliant and are built to meet the latest energy efficiency guidelines.

Powerful Choices
Wide Operating Range
AQUASNAP™ chillers operate year-round, even in extreme temperatures. From 0°F to 125°F, AQUASNAP™ chillers provide chilled water reliably and efficiently.

Coil Corrosion Options
AQUASNAP™ chillers offer a complete set of choices for condenser coil corrosion protection. These options include:
- Copper fin / Copper tube
- Durable epoxy-phenolic coating
- Flexible epoxy polymer coating
- Durable epoxy-phenolic coating

Expansion Tank
The optional integrated hydronics package comes with an expansion tank, which is an integral part of the system and provides for easy installation. The expansion tank also serves as a reservoir for water, allowing for efficient operation.

Flow Regulator
The optional integrated hydronics package comes with a flow regulator, which is an integral part of the system and provides for easy installation. The flow regulator also serves as a reservoir for water, allowing for efficient operation.

Flexible epoxy polymer coating
Flexible epoxy polymer coating

Environmentally Friendly Refrigerant
AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant. AQUASNAP™ chillers use an environmentally friendly refrigerant.

Scrolling Marquee
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Remote Enhanced Display
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Powerful Controls
The ComfortLINK™ control system, common across the product offering, makes it easy to monitor and control each AQUASNAP™ air-cooled chiller. The ComfortLINK™ control system has been designed to greatly reduce start-up time. All AQUASNAP™ chillers have ComfortLINK™ control system. The ComfortLINK™ control system helps maintain high efficiency and low frictional losses.

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For remote monitoring of AQUASNAP™ chillers, a remote enhanced display is available. A 16-line 40-character indoor mounted display provides easy access to operational data for any CCN device on the network.

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Effective Controls
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Energy Management Module
The energy management module adds energy management functions such as demand limit, load shed, and water temperature reset capabilities. These features provide added control for reduced energy usage.

Coil Corrosion Options
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Freeze Protection
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