



AquaSnap[®] 30MP Modular Chiller/Heat Pump

Cooling 17 - 640 Tons (60 - 2,250 kW)
283 - 8,800 MBH of Heating



AQUASNAP[®]

Efficient Custom Cooling for Retrofit or New Construction

The Carrier AquaSnap® 30MP chiller/heat pump delivers high efficiency cooling customized to the precise requirements of your facility.

With a host of configuration options, the AquaSnap 30MP modular chiller/heat pump is a snap to install, operate and control for years of quiet, reliable, cost-saving performance.

And thanks to its modular design, the 30MP chiller/heat pump plant can match a facilities' present and future capacity requirements by adding modules as needed. It can also be field-assembled in limited-access mechanical rooms, so every new construction or retrofit project can benefit from years of Carrier reliability and performance.



A Snap to Install

Simple Set-Up

In addition to its compact footprint, features and options simplifying installation include:

- Mobility Kit Option
- Standard Evaporator Flow Switch
- Water Manifold Option
- Height Adjustment Kit Option
- Low Sound Options

Single-Point Power

Individual power feeds allow for partial capacity.

Load Matching

With 10 sizes to choose from, modules can be mixed and matched to meet your application-specific load.



The AquaSnap 30MP chiller/heat pump's modular and compact design facilitates efficient, cost-saving installation and configuration.



A Snap to Operate

Remote Air-Cooled Application

In applications where air-cooled chillers create installation, maintenance or sound issues, a condenserless 30MPA option is available. Moving the evaporator and compressor inside reduces the chiller footprint, eliminates the need for glycol, and reduces outdoor sound levels.

Heat Pump Application¹

Allows for transferring heat energy from sources that do not perform any useful work in a chiller plant to spaces where utilization of this heat may result in significant energy savings for the facility.

With up to 140° F (60° C)² leaving condenser water temperature, the 30MPQ heat pump is great for applications such as reheat, process, and domestic water heating.

15HP Circuit Option

All 30MPW models meet the minimum efficiency requirements of ASHRAE 90.1-2022. Select models (017 & 033) were designed not to exceed 15 HP per refrigerant circuit, a key code requirement in certain municipalities.

Medium Temperature Brine Application

Unit may be factory-modified to permit brine operation from 15° to 32° F (-9.4° to 0.0° C) leaving brine temperature.

Refrigeration circuit components, such as the liquid line solenoid, are modified to permit low refrigerant flow rates typical of brine duty operation.

Multi-Unit Controller

Allows for operation of up to eight 30MP modules in a single plant with centralized control enabling efficient staging logic across modules for optimized system performance.



A Snap to Control

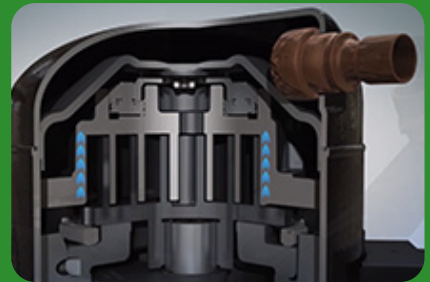
Digital Scroll Compressors³

Digital scroll compressors are available as a factory installed option. These compressors allow incremental unloading with capacity modulation to better match building load when compared to standard scroll compressors.

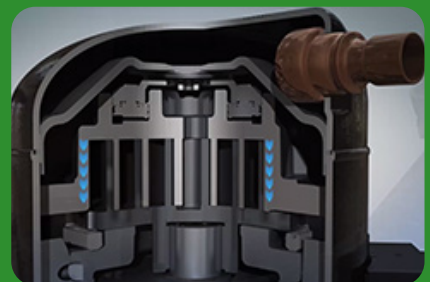
Loaded
(Full Capacity)



Unloaded
(Zero Capacity)



Loaded
(Full Capacity)



The Digital Scroll Compressor option allows the chiller to match building load without cycling the compressor on and off. It operates by internally unloading the compressor, simply separating the scroll elements while maintaining shaft rotation.

¹ Option available where applicable.

² Digital scroll compressors, 017 & 033 models are capable of producing up to 130°F (54.4° C) 115°F (46.1° C) and 104°F (40° C) leaving condenser water respectively.

³ 017-046 models only - units without multi-unit controller option.

30MP AquaSnap® Modular Chiller/Heat Pump



AquaSnap® 30MP Module Dimensions¹

Module	L (Inches)	W (Inches)	H ² (Inches)
017 - 046	55	32	62.5
055 - 080	55	32	62.5
Distribution Panel	55	32	70.25

Module	L (mm)	W (mm)	H ² (mm)
017 - 046	1,397	812.8	1,587.5
055 - 080	1,397	812.8	1,587.5
Distribution Panel	1,397	812.8	1,784.35

¹ Dimensions reflect Single Modules with no Options.
² Add 4" (Inches) to Height for Mobility Kit Option.



Water cooled chillers within the scope of the AHRI WCCL certification program are certified in accordance with the AHRI Water-Cooled Water-Chilling and Heat Pump Water-Heating Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at www.ahridirectory.org. Condenserless versions of these units are not certified under the AHRI certification program.

Benefits at a Glance

FOR BUILDING OWNERS AND MANAGERS

- Snap to Install, Operate and Control
- Quiet, Reliable Operation
- Building Automation System Compatible
- Environmentally Sustainable Refrigerant
- 15 Hp/Circuit Option

FOR CONSULTING ENGINEERS

- ASHRAE 90.1 Compliant
- Ideal for Retrofit, Replacement or Building Expansion Project

FOR CONTRACTORS

- Factory Operational Testing
- Low Installation Costs
- Compact Footprint
- Thermowells, Schrader Valves Standard



carrier.com/commercial