

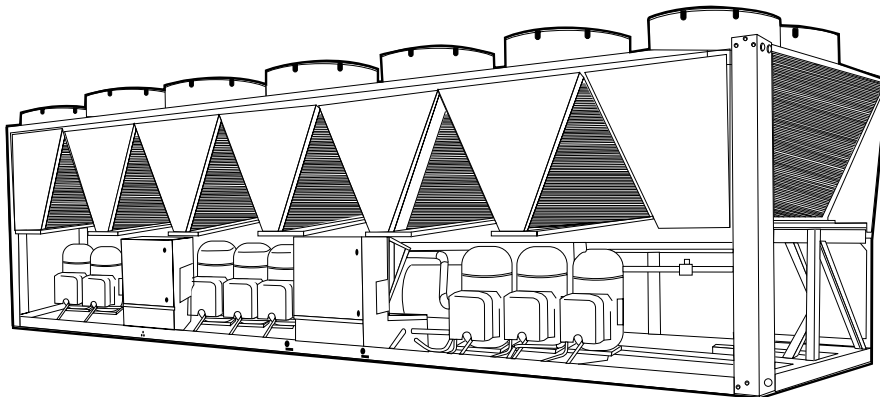
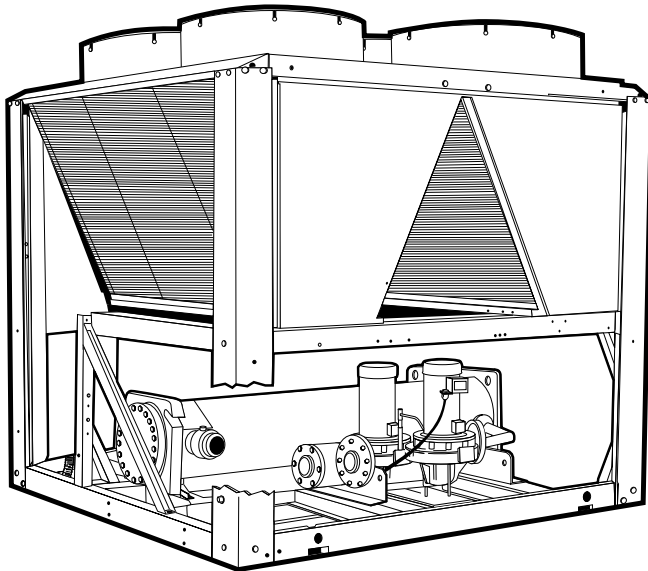


## Product Data

# AQUASNAP® 30RB060-390 Air-Cooled Chillers

60 to 390 Nominal Tons  
(210 to 1370 kW)

# AQUASNAP®



The AquaSnap chiller is an effective all-in-one package that is easy to install and easy to own. AquaSnap chillers cost less to purchase and install, and then operate quietly and efficiently. Value-added features include:

- Rotary scroll compression
- Puron® HFC refrigerant
- Quiet AeroAcoustic™ fan system
- Easy to use *ComfortLink*™ controls
- Integrated hydronic pump package

## Features/Benefits

**Carrier's superior chiller design provides savings at initial purchase, at installation, and for years afterward.**

### Costs less right from the start

Only Carrier's AquaSnap chillers feature a compact, all-in-one package design that installs quickly and easily on the ground or the rooftop. The optional pump and hydronic components are already built in; this costs less than buying and installing the components individually. The chiller's fully integrated and pre-assembled hydronic system installs in minutes. No other chiller in this class installs so easily and inexpensively. The preassembled and integrated hydronic module utilizes top-quality components and pumps to ensure years of reliable operation. The AquaSnap unit's high efficiency keeps costs down.

  
**Puron**  
the environmentally sound refrigerant

**ASHRAE  
90.1  
COMPLIANT**

# Features/Benefits (cont)



## **AquaSnap® chillers make noise in the marketplace, not the workplace**

The AquaSnap chiller's AeroAcoustic fan is almost twice as quiet as the competition's per cfm. Much of the noise reduction is in frequencies where noise is most annoying, which makes AquaSnap chillers ideal for sound-sensitive environments. When cooler temperatures allow part-load operation or during scheduled nighttime operation, the units operate with fewer fans and become even quieter. AquaSnap chillers are quiet during the day and even quieter at night.

## **The savings will continue to mount**

Besides costing less to buy and install, AquaSnap chillers are also more affordable to operate. Carrier's Aqua Series chillers are our most efficient air-cooled models. The AquaSnap chiller provides full-load EER (Energy Efficiency Ratio) up to 9.7 and IPLV (integrated part-load value) up to 14.2. AquaSnap chillers use ultraquiet, high-efficiency rotary scroll compressors, operated in tandem, trios or quads per independent circuit for greater efficiency at partial loads.

## **Electronic expansion valve (EXV)**

allows for precise control through all operating ranges, resulting in higher efficiencies.

## **Proven reliability that's built in**

Thousands of AquaSnap chillers are already in service around the world. This field-proven design is backed by a 12-month warranty that includes the optional hydronic system (U.S. and Canada only). The compressors are maintenance-free and protected by an auto-adaptive control that minimizes compressor wear. Year-round operation is standard, from -20 F (-29 C) (with optional cooler heater and low ambient control) to 125 F (52 C).

**Rotary scroll compressors** provide smooth, quiet and reliable operation.

**Multiple independent circuits** are standard on all AquaSnap chillers for redundancy and greater reliability.

## **All-in-one package**

AquaSnap chillers provide the most comprehensive chilled water circuit available for any air-cooled chiller. Included is a shell-in-tube direct-expansion cooler that may be remote-mounted. The cooler is also completely drainable with factory-installed vents and drains.

## **Electronic thermal-dispersion**

**flow switch** is included with the cooler. The switch is factory installed and tested and contains no moving parts for high reliability.

## **Optional integrated hydronics**

**package** is more than just a pump, it is an entire chilled water system, including:

- Single/dual pumps up to 15 hp and 140 ft head
- Regular strainer
- Cleanout strainer
- Flow regulator
- Freeze protection to -20 F (with freeze protection option)
- Heaters
- Required piping
- Pressure/temperature taps
- Isolation check valves for dual pump systems

The factory-installed and tested hydronics package provides faster, simpler and less expensive installation.

## **Environmentally sound**

Carrier's unique Puron® refrigerant enables you to make a responsible decision in the protection of the earth's ozone layer. Puron refrigerant is an HFC refrigerant that does not contain chlorine that is damaging to the ozone layer. Puron refrigerant is unaffected by the Montreal Protocol. Puron

refrigerant is a safe, non-toxic, efficient and environmentally sound refrigerant for the future.

## **Structurally sound**

The base rail is industrial-quality 1/4-in. cold-rolled steel for maximum structural integrity. The zinc-dipped and painted galvanized frame (with Serma-Guard™ coated screws) provides the best protection on the market for corrosion resistance. With such a structurally sound base, no perimeter base rail is needed.

## **ComfortLink™ controls speak your language**

The *ComfortLink* controls communicate in plain English, making it as easy as possible to monitor and control each AquaSnap chiller while accurately maintaining fluid temperatures. The large Scrolling Marquee display acts as a window into the unit's operation, providing easy-to-read information about chiller performance and over 15 diagnostic functions. Carrier 30 Series chillers' *ComfortLink* controls provide features such as chilled water temperature reset, demand limiting, compressor wear minimization and protection, temperature and pressure displays and diagnostic functions. These controls result in higher chiller reliability, simplified training and more productive service calls with correspondingly lower operational and maintenance costs.

Carrier's exclusive handheld Navigator™ display provides convenience and powerful information in the palm of your hand. The Navigator display helps technicians to quickly diagnose problems and even prevent them from occurring.

All AquaSnap units are ready to be used with the Carrier Comfort Network® (CCN) system.