

SEISMICOMPLIANT* HVAC Equipment

*Meets IBC 2006, ASCE-7-05, CBC 2007 and OSHPD seismic requirements.

Seismically Certified Products (Water-Cooled)		OSP Number
	AquaEdge™ 19XR(V) Two-Stage Water-Cooled Centrifugal Chillers	OSP-0026-10 [†]
	AquaEdge™ 19XR(V) Single-Stage Water-Cooled Centrifugal Chillers	OSP-0026-10
	AquaEdge™ 23XRV Water-Cooled Screw Chillers	OSP-0135-10
	AquaForce® 30HX Water-Cooled Screw Chillers	OSP-0161-10
	AquaSnap® 30MP Water-Cooled Scroll Chillers	OSP-0184-10

[†]Certain models only at this time

Benefits at a Glance

For Building Owners and Managers

- Reduces operating expenses
- Easy to maintain
- Quiet operation
- Reliable operation
- Environmentally sound refrigerant

For Consulting Engineers

- ASHRAE 90.1
- AHRI certified
- HFC refrigerant
- High-efficiency optimization
- Ideal for replacement projects

For Contractors

- Easy to break down
- Ideal for replacement
- Diagnostic controls
- Reliable performance
- Reduces installation expenses

Award Winning Manufacturing



Charlotte, North Carolina
Chillers and Split Systems
LEED® Certification
IndustryWeek's Best Plant 2010 Winner



United Technologies
turn to the experts

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Manufacturer reserves the right to discontinue, or change at any time, specifications or designs, without notice and without incurring obligations.

Aqua Series Water-Cooled Chillers 15 to 1,600 Tons



Aqua Series Water-Cooled Chillers

The Right Choice for Today and Tomorrow



AQUAEDGE™

AQUAFORCE®

AQUASNAP®

Carrier's comprehensive line of water-cooled chillers are designed to enable chiller plants to achieve superior efficiency at true operating conditions without compromising the environment.

These units boast integrated part-load values (IPLV) to 0.299 and full load kW/Tons

to 0.53 while utilizing either HFC-134a or HFC Puron® refrigerant (R-410A) chlorine-free refrigerant. Aqua Series water-cooled chillers are ideal for replacement or new construction with small footprints and easy disassembly options. Carrier chillers are also manufactured in an award winning, LEED® certified plant.

Leading Efficiencies

Chillers operate at design conditions less than one percent of the time. As a result, superior part-load efficiency is required in today's chilled-water applications. AquaEdge 19XR(V) and 23XR(V) chillers are equipped with a factory-installed, variable-speed drive, maximizing chiller efficiency by optimizing compressor operation. Electric power consumption drops dramatically when the motor speed slows. The 23XR(V) delivers industry-leading IPLVs as low as 0.299.

Seismic Compliant

Carrier's water-cooled chillers are the first full series of seismic compliant chillers. With Carrier's special seismic-complaint package, the Aqua Series water-cooled chillers meet or exceed the California Office of Statewide Health and Planning Development (OSHPD) standards.

Revit®

To save time and help support engineers and architects in more accurate design, construction planning and fabrication, Carrier is able to provide Revit® Building Information Modeling (BIM) drawings for their entire line of chillers.

Developed by Autodesk®, Revit BIM is a building design software which allows users to create multi-dimensional architectural models, evaluate building alternatives and work collaboratively before beginning construction. Carrier BIM objects are configured to the design and specifications of each piece of equipment.

BACnet® Capability

With a factory-installed integrated communication card, connecting Carrier water-cooled chillers to a BACnet® system has never been easier. Simply connect the UPC Open to the BACnet network, and Carrier equipment is ready to integrate seamlessly into Carrier's i-Vu® Open control system or any other BACnet building automation system. Pre-programmed to share equipment data, no onsite engineering is required.

Heat Recovery

An efficient means of generating hot water is through the heat reclaim capabilities of Carrier's 30-series water-cooled chillers. Carrier chillers with heat reclaim capabilities can produce chilled water controlled to the necessary temperature while generating hot water as a by-product of the chilled water system.

This heat reclaim captures energy that would otherwise be wasted to the atmosphere increasing overall system efficiencies. Unlike typical boilers with COP (coefficient of performance) less than 1.0, capturing waste heat from a heat reclaim chiller can result in COPs exceeding 5.0.



AquaEdge 23XR(V) Chillers

- 250 to 550 Tons
- HFC-134a refrigerant
- Industry best part load performance
- Semi-hermetic motor
- IEEE-519 compliant VFD
- Tri-rotor compressor design reduces bearing loads – Foxfire® compression technology
- 2008 AHR Expo Innovation Award winner in Green Building category

**IPLV
as low as
0.299**

AquaEdge 19XR(V) Single-Stage Chillers

- 200 to 1,600 Tons
- HFC-134a refrigerant
- Semi-hermetic motor
- ASME heat exchangers
- Factory installed VFD option

AquaEdge 19XR(V) Two-Stage Chillers

- 800 to 1,600 Tons
- HFC-134a refrigerant
- Semi-hermetic motor
- ASME heat exchangers
- VFD option
- High lift and ice duty capability

AquaForce 30HX Chillers

- 75 to 265 Tons
- HFC-134a refrigerant
- Semi-hermetic motor
- Handheld Navigator
- Dual independent refrigerant circuits standard
- Fits through standard doorway
- Low in-rush current
- Condenserless option

AquaForce 30XW Chillers

- 150 to 400 Tons
- HFC-134a refrigerant
- Semi-hermetic motor
- Marine waterbox option
- Single and dual independent refrigerant circuits available
- Factory installed heat recovery option (up to 140°F)
- Reduced installation expenses

AquaSnap 30MP Chillers

- 15 to 90 Tons
- HFC Puron® refrigerant (R-410A)
- Reduced installation cost
- Small footprint (fits through a standard doorway)
- Multiple unit configuration
- Condenserless option
- Heat reclaim capability (up to 140°F)

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