





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
- HFC refrigerant
- High-efficiency optimization
- Ideal for replacement projects

For Contractors

- Easy to disassemble
- 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



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.

1-800-CARRIER www.commercial.carrier.com

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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 3,000 Tons / 53 to 10,551 kW



Aqua Series Water-Cooled Chillers

The Right Choice for Today and Tomorrow

IPLV
as low as
0.299

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

- 175 to 550 Tons (615-1,934 kW)
- HFC-134a refrigerant
- Industry best part load performance
- Semi-hermetic motor
- IEEE-519 compliant VFD
- Patented compressor design reduces bearing loads - Greenspeed Intelligence



AquaEdge 19XR(V) Single-Stage Chillers

- 200 to 1,600 Tons (703-5,627 kW)
- HFC-134a refrigerant
- Semi-hermetic motor
- ASME heat exchangers
- Factory installed VFD option



AquaEdge 19XR(V) Two-Stage Chillers

- 800 to 3,000 Tons (2,814-10,551 kW)
- HFC-134a refrigerant
- Semi-hermetic motor
- ASME heat exchangers
- VFD option*
- High lift and ice duty capability



AquaForce 30HX Chillers

- 75 to 265 Tons (264-932 kW)
- 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 (528-1,407 kW)
- 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 (60°C)
- Reduced installation expenses



AquaSnap 30MP Chillers

- 15 to 71 Ton modules (55-250 kW modules), manifold capability up to 568 Tons (1,998 kW)
- 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 (60°C)
- Capability to manifold up to eight (8) modules together

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*Options available where applicable.