### Seismically Certified Products (Water-Cooled)

| 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® 23XR 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 compliant
- HFC or HFC/HFO 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

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](http://www.ahridirectory.org). Condenserless versions of these units are not certified under the AHRI certification program. Capacities above 3,000 Tons (10,551 kW) are not certified under the AHRI certification program.
Aqua Series Water-Cooled Chillers
The Right Choice for Today and Tomorrow

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.

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*
Hot water can be generated efficiently by using the heat recovery capabilities of Carrier’s 19DV and 30 series water-cooled chillers. Carrier chillers with heat recovery capabilities can produce chilled water controlled to the specified temperature while generating hot water as a by-product of the refrigeration cycle. Heat recovery captures energy that would otherwise be wasted to the atmosphere, thereby increasing overall system efficiencies. Unlike typical boilers with COPs (coefficient of performance) less than 1.0, capturing waste heat from a heat recovery chiller can result in COPs exceeding 5.0.

AquaEdge 19DV Two-Stage Chillers
- 500 to 800 Tons (1,758-2,814 kW)
- HFO-1233zd(E) refrigerant
- Heat recovery, free cooling, dual temperature duty and chilled water all in the same machine
- Back-to-back EquiDrive compressor
- Totally enclosed VFD

AquaEdge 19XR(V) Single-Stage Chillers
- 200 to 1,600 Tons (703-5,627 kW)
- HFC-134a or HFC/HFO-513A refrigerant
- Semi-hermetic motor
- ASME heat exchangers
- Factory installed VFD option

AquaEdge 19XR(V) Two-Stage Chillers
- 800 to 3,400 Tons (2,814-11,957 kW)
- HFC-134a or HFC/HFO-513A refrigerant
- Semi-hermetic motor
- ASME heat exchangers
- VFD option
- High lift and ice duty capability

AquaEdge 23XRV 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

AquaForce 30HX Chillers
- 150 to 400 Tons (528-1,407 kW)
- HFC-134a refrigerant
- Single and dual independent refrigerant circuits available
- Dual independent refrigerant circuits standard
- Fits through standard doorway
- Low in-rush current
- Condenserless option

AquaForce 30KX Chillers
- 75 to 265 Tons (264-932 kW)
- HFC-134a refrigerant
- Marine waterbox option
- Heat recovery capability – up to 135°F (57.2°C)
- Dual independent refrigerant circuits standard
- Fits through standard doorway
- Low in-rush current
- Condenserless option

AquaSnap 30MP Chillers
- 16 to 71 Tons (56-250 kW modules), manifold capability up to 550 Tons (1,934 kW)
- HFC Puron® refrigerant (R-410A)
- Reduced installation cost
- Small footprint (fits through a standard doorway)
- Multiple unit configuration
- Condenserless option
- Heat recovery capability – up to 140°F (60°C)
- Capability to manifold and control up to eight (8) modules together

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 0.288 and full load kW/Tons to 0.505. Implementing Carrier chillers will capture waste heat from a heat recovery chiller to produce chilled water at temperatures exceeding 5.0. Capturing waste heat is particularly advantageous for boilers that exhibit COPs (coefficient of performance) less than 1.0.

While utilizing other HFC-134a, HFC/HFO-513A, HFC Puron® refrigerant (R-410A) or HFO-1233zd(E), Aqua Series water-cooled chillers are ideal for replacement or new construction with small footprints and easy disassembly options. The newest addition to the Carrier water-cooled chiller product line, the 19DV, utilizes HFO-1233zd(E), an A1 refrigerant. 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 19DV, 19XR(V) and 23XRV chillers are equipped with a factory-installed, variable-speed drive, maximizing chiller efficiency by optimizing compressor operation. Electric power consumption drops dramatically as the motor speeds slow. The 19DV and 23XRV deliver industry-leading IPLVs as low as 0.288 and 0.299, respectively. The 19DV pairs excellent full load and part-load values (IPLV) to 0.288 and 0.299, respectively. The 19DV and 23XRV deliver industry-leading IPLVs as low as 0.288 and 0.299, respectively.

Seismic Compliant*
With Carrier’s special seismic-compliant package, the Aqua Series water-cooled chillers meet or exceed the California Office of Statewide Health and Planning Development (OSHPD) standards.

LEED is a registered trademark of the U.S. Green Building Council.
Revit is a registered trademark of Revit Technology Corporation.
Autodesk is a registered trademark of Autodesk, Inc.
BACnet is a registered trademark of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.
Underwriters Laboratories is a registered trademark of Underwriters Laboratories, Inc.
*IPLV options available where applicable.

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