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

**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. 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
16 to 3,400 Tons / 56 to 11,957 kW
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 0.28Btu/ton and full load kW/Tons to 0.505. The 19DV and 23XRV deliver industry-leading IPLVs as low as 0.288 and 0.299 respectively. Chiller plants to achieve superior efficiency at true operating conditions.

**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.

**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.

**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.

**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

**AquaForce 30XW Chillers**

- 150 to 400 Tons (528-1,407 kW)
- HFC-134a refrigerant
- Industry best part load performance
- SEMI-hcromatic 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

**AquaEdge 19DV Two-Stage Chillers**

- 500 to 800 Tons (1,758-2,814 kW)
- HFO-1234zd(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 19XRV(V) Single-Stage Chillers**

- 200 to 1,600 Tons (703-5,627 kW)
- HFC-134a or HFO-1234zd(E) refrigerant
- Semi-hcromatic motor
- ASME heat exchangers
- Factory installed VFD option

**AquaEdge 19XRV(V) Two-Stage Chillers**

- 800 to 3,400 Tons (2,814-11,957 kW)
- HFC-134a or HFO-513A refrigerant
- Semi-hcromatic 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-hcromatic motor
- IEEE-519 compliant VFD
- Patented compressor design reduces bearing loads — GreenSpeed® intelligence

**AquaForce 30HX Chillers**

- 75 to 265 Tons (264-932 kW)
- HFC-134a refrigerant
- Handheld Navigator
- Marine waterbox option
- Single and dual independent refrigerant circuits available
- Factory installed heat recovery option – up to 140°F (60°C)
- Reduced installation expenses

**AquaForce 30XV Chillers**

- 150 to 400 Tons (528-1,407 kW)
- HFC-134a refrigerant
- Handheld Navigator
- Marine waterbox option
- Single and dual independent refrigerant circuits available
- Factory installed heat recovery option – up to 140°F (60°C)
- Reduced installation expenses