

AQUA SERIES
Air-Cooled Chillers

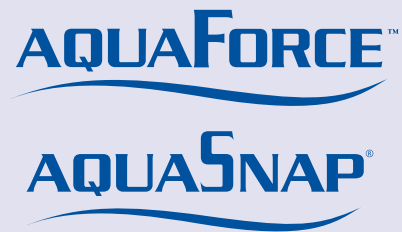


Turn to the Experts.™



AQUA SERIES Air-Cooled Chillers

Superior Full and Part-Load Performance



Leave it to Carrier to rethink chiller design in ways you'll notice at the initial purchase, through installation and for years afterward. Our Aqua Series chillers install quickly and easily to save you time and money. And the savings will continue to mount with lower operating costs due to Aqua Series' superior full and part-load performance. Available in 10 to 500-ton chillers, the Aqua Series chillers come in two lines:

AquaForce™ chillers with HFC-134a provide best-in-class full and part-load performance in a single chassis, while exceeding ASHRAE 90.1 standards.

AquaSnap® chillers with Puron® refrigerant (HFC-410a) provide excellent part-load performance in a compact package, while meeting ASHRAE 90.1 minimum energy efficiency requirements.

With environmentally sound refrigerant, simple installation, superior efficiency and powerful controls, these units are ideal for both replacement and new construction projects.



AquaSnap

- 30RA
- R-22
- 10 to 55 Tons



Integrated Hydronics Package



AquaSnap

- 30RB
- Puron Refrigerant
- 60 to 390 Tons



AquaForce

- 30XA
- HFC-134a
- 80 to 500 Tons

Environmental Leadership

Carrier was the first manufacturer to introduce non-ozone-depleting refrigerant — a full six years ahead of the competition — paving the way for the future. Once again, Carrier leads the way, being the first to use environmentally sound refrigerant in air-cooled chillers. All of the AquaSnap chillers from 60 to 390 tons come standard with Puron refrigerant. And all of the AquaForce chillers utilize HFC-134a.

HFC-134a

Affordability/Installability

Only Aqua Series air-cooled chillers feature a compact, all-in-one package design. Aqua Series chillers are available with or without an integrated hydronics package*. If you choose the optional built-in hydronics package, you get an entire chilled-water system with the pump, circuit setter, strainer, required piping and freeze protection to -20 F. This prepackaged design costs less than buying and installing the components individually.

The Aqua Series also saves on installed cost due to its rugged base frame. This feature is standard on all units greater than 60 tons. The frame is capable of point loading, which lowers installed cost by eliminating expensive field-erected base rails.

LOWEST INSTALLED COST

* Available on AquaForce in 2006.

AquaSnap 30RB

Efficiency

Besides costing less to buy and install, Aqua Series chillers are also more affordable to operate. They are highly efficient, with full-load Energy Efficiency Ratios (EER) up to 10.6 and Integrated Part-Load Value (IPLV) ratings as high as 15.2. The key to Aqua Series chillers' great operating performance is the use of highly efficient rotary scroll and screw compressors. These compressors use patented sealing techniques, allowing for high volumetric efficiency and low frictional losses. They are maintenance-free and protected by an auto-adaptive control that minimizes wear.

15.2 EER

Quiet

Aqua Series chillers make their noise in the marketplace, not the workplace. The AeroAcoustic™ fan is almost twice as quiet as the competition. Much of the reduction is in frequencies where noise is the most annoying, making Aqua Series chillers ideal for sound-sensitive environments. In addition, all Aqua Series chillers offer a low sound option.

The Right Level of Control

The ComfortLink™ Control System makes it easy to monitor and control each Aqua Series air-cooled chiller. The ComfortLink system provides functions such as demand limit, load shed and water temperature reset capabilities. These features provide added control for reduced energy usage.

The large scrolling marquee and Navigator™ display act as windows to the unit's operation and greatly reduce start-up time. An easy-to-follow menu structure makes it simple to find the required information for start-up and service.

The scrolling marquee's large light-emitting diode (LED) display is easy to read in any lighting condition. Even gloved hands can easily access large control buttons.

Standard on all AquaForce chillers, Carrier's Navigator controller is an exclusive remote handheld diagnostic unit, which provides expanded information on virtually every aspect of operation, helping technicians to quickly diagnose problems and even prevent them from occurring.

All Aqua Series chillers are also ready to be used with the Carrier Comfort Network® (CCN).

For all your comfort needs, Carrier has the right level of control.

ComfortLink Controls

Selection Guide

Model 30RA (R-22)	010	015	018	022	025	030	035	040	045	050	055
Capacity (tons)	10	14	16	22	24	27	35	38	43	47	54
Length (in.)	82	82	82	108	108	108	108	108	108	108	108
Approx. Weight (lb.)	946	1,068	1,209	1,523	1,589	1,705	2,844	2,914	3,218	3,313	3,515
Model 30RB (R-410a)	060	070	080	090	100	110	120	130	150	160	170
Capacity (tons)	57	67	76	87	96	106	119	127	145	153	167
Length (in.)	95	95	95	142	142	142	189	189	189	236	236
Approx. Weight (lb.)	4,705	4,911	5,258	6,590	6,813	7,067	8,238	8,593	9,808	10,900	11,235
Model 30RB (R-410a) cont.	190	210	225	250	275	300	315	330	345	360	390
Capacity (tons)	189	202	214	238	260	283	306	320	333	355	377
Length (in.)	283	283	283	330	377	424	472	472	472	519	566
Approx. Weight (lb.)	12,647	13,018	13,351	14,752	16,199	17,590	19,310	19,645	19,980	21,392	22,804
Model 30XA (R-134a)	080	090	100	110	120	140	160	180	200	220	240
Capacity (tons)	76	84	95	104	113	134	155	173	197	215	234
Length (in.)	142	189	189	189	189	236	236	283	283	330	330
Approx. Weight (lb.)	7,674	8,704	8,931	9,071	9,216	11,505	11,748	13,590	13,712	14,727	14,887
Model 30XA (R-134a) cont.	260	280	300	325	350	400	450	500			
Capacity (tons)	254	274	293	310	330	390	431	465			
Length (in.)	377	377	377	424	424	471	518	518			
Approx. Weight (lb.)	16,853	17,022	17,362	18,834	19,040	23,953	25,975	26,269			

Benefits at a Glance

For Building Owners & Managers

- Reduced operating costs
- Quiet operation
- Reliable operation
- Environmentally sound refrigerant

For Consulting Engineers

- Simple to select
- ASHRAE 90.1 compliant
- High efficiency
- Reduced energy consumption
- HFC refrigerants

For Contractors

- Streamlined installation
- Reduced installation expenses
- Reliable performance
- Easy to start-up and operate
- Plug-and-play hydronics

Turn to the Experts

Whatever your HVAC needs, from specifying and purchasing to installation and maintenance, Carrier has the solution. As the world leader in heating, ventilation and air conditioning, Carrier is committed to continually improving the quality of comfort for our customers.

From concept to finished product, your local Carrier sales representatives walk with you every step of the way.

Whether you have one building, multiple sites nationwide or special equipment and facility requirements, Carrier sales representatives will recommend a solution that fits your scope and budget.



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Stock symbol UTX. 04-830090-25

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