

Ideal solution  
for a wide range of applications



Residential homes	Offices
Multi apartments	Restaurants
Shops	Hotels
Small markets	Warehouses



Reliability

Reliability was a top priority in the design of the Aquasnap® chiller, which passed a several life and transportation tests to reflect the most challenging conditions.

The chiller's refrigerant circuit is completely sealed, minimising the risk of leakage. The Pro-Dialog+ control system constantly checks and analyses all compressor operating parameters.



Certified performance

Carrier products are thoroughly tested in the advanced internal laboratory for all kind of operating conditions (ISO standards).

The performance of the units are certified by Eurovent, an important guarantee for consultants and installers.



Carrier Service

Backed by a worldwide sales and after-sales organization, Carrier's service and maintenance solutions are designed to add maximum value for all the system operation life.



[www.carrier.com](http://www.carrier.com)

Address

Physical data

61AF		013	019	022	030	035	045	055	075	105
Nominal heating capacity*	kW	13,5	20,2	21,1	28,5	34,2	45	54	70,0	102,5
Power input	kW	3,9	5,5	5,9	8,1	9,2	11,5	14	19,4	27,7
Coefficient of performance (COP)	kW/kW	3,5	3,7	3,6	3,5	3,7	3,9	3,9	3,6	3,7
EUROVENT class, heating		A	A	A	A	A	A	A	A	A
Nominal heating capacity**	kW	9,3	14,8	15,2	19,5	23,1	29,5	36,5	51,5	68,2
Power input	kW	3,0	4,4	4,7	6,1	7,5	9,1	11	16,6	21,3
Coefficient of performance (COP)	kW/kW	3,1	3,4	3,2	3,2	3,1	3,2	3,3	3,1	3,2
Operating weight										
Standard unit without hydronic module	kg	185	240	343	396	421	509	533	895	995
Standard unit with hydronic module option	kg	190	250	349	403	436	524	549	920	1020
Sound power levels***										
Standard unit	dB(A)	69	72	81	82	83	84	84	86	87
Unit with low-noise option	dB(A)	NA	NA	80	80	80	80	80	82	82
Compressors		Scroll EVI	Scroll EVI	Scroll EVI	Scroll EVI	Scroll EVI	Scroll EVI	Scroll EVI	Scroll EVI	Scroll EVI
Quantity		1	1	1	1	1	1	1	2	2
Refrigerant		R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C	R-407C
Dimensions										
Length	mm	1278	1580	1230	1230	1230	2100	2100	2100	2100
Width	mm	333	500	1114	1114	1114	1114	1114	2273	2273
Height	mm	1100	1100	1330	1330	1330	1330	1330	1330	1330
Power supply	V-ph-Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50

\*Standardised EUROVENT conditions, heating mode : condenser entering/leaving water temperature 40°C / 45°C, outside air temperature db/wb 7°C / 6°C  
\*\*ECOLABELconditions, heating mode, integrated capacities : condenser entering/leaving water 30°C / 35°C, outside air temperature db/wb 2°C / 1°C  
\*\*\*In accordance with ISO 9614-1  
Note: Data referred to sizes 13 and 19 are preliminary

Range overview (kW)



13-19



22-55



75-105



CARRIER is participating in the Eurovent Certification Programme for liquid chilling packages. Products are as listed in the Eurovent Directory of Certified Products or on the Internet site [www.eurovent-certification.com](http://www.eurovent-certification.com)



Air to water

HIGH TEMPERATURE HEATING



Order number : 16113-20 - 06/2010. Manufacturer reserves the right to discontinue, or change at any time specifications or designs without notice and without incurring obligations.





## A trusted brand

When Willis Carrier invented the first system for "manufactured weather" in 1902, he sparked an industry that revolutionized the way we live, work and play.

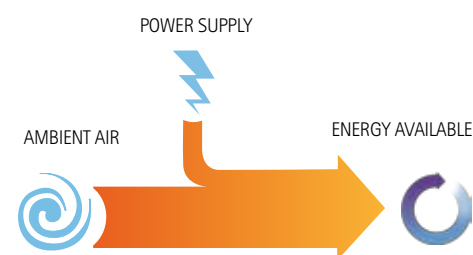
Since that defining moment Carrier has been a company built on a legacy of innovation, working to create a comfortable, productive and healthy indoor environment, regardless of the weather.

Carrier provides heating, ventilating and air conditioning solutions for optimised individual customer comfort.

## Technology and sustainability

AquaSnap 61AF is the solution ready for the future: a unique heat pump system for space heating and sanitary hot water production. A solution that replaces the existing boiler and enhances the energy efficiency of the building.

Heat pumps use mainly ambient air for the production of domestic heating. This source of renewable energy reduces the overall energy consumption and minimizes the amount of CO<sub>2</sub> emissions.



With its advanced Carrier core technology, this unit is extremely efficient and contribute to reduce the amount of CO<sub>2</sub> production.

## Tax reduction and incentives

AquaSnap high temperature heat pump efficiency applies for local tax reduction or rebate incentive programs.



**AQUASNAP**  
Heating

## Range from 13 to 105 kW



## Down to -20°C

Even in extreme low temperatures the unit is capable to provide sanitary hot water up to 55°C.

The monobloc units are available in different sizes to suit all the capacity and performance needs.

**PRO-DIALOG+** Intelligent comfort



The sophisticated **Pro-Dialog+ digital control system** lets you make precise adjustments in order to maximise energy savings and obtain ideal comfort conditions at all times.

To simplify the display and control of the unit's operating parameters, it has been designed with the help of specialists in ergonomics.

### Main features of the control:

- Ease of use interface
- Energy management
- 7 days schedule timer
- Boiler control board

### Components regulated constantly:

- Compressors
- Condenser water pump
- Fans
- Expansion devices

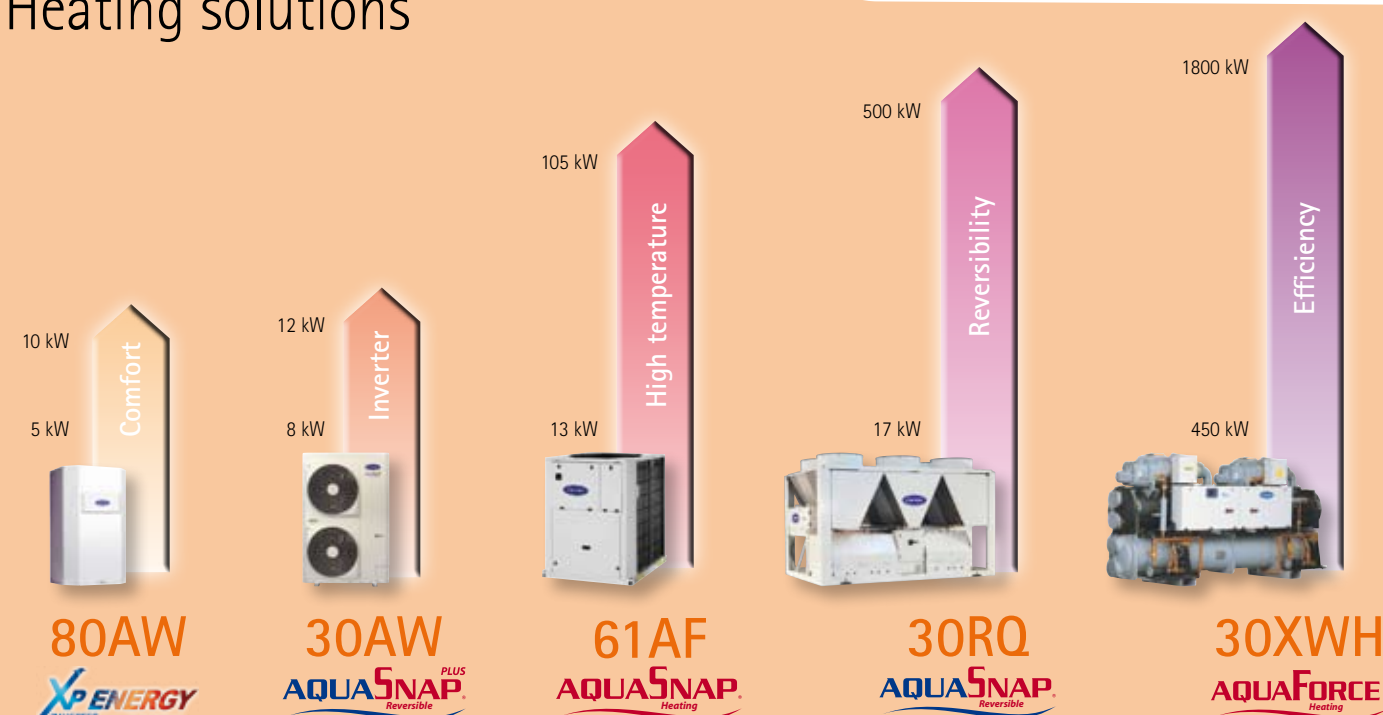
### Parameters monitored:

- Pressure values
- Set point
- Outside air temperature
- Entering/leaving water temperature
- Operating data storage (diagnostic)



## High water temperature all year round

## Carrier Heating solutions



## Easy to install

The 61AF Aquasnap® high temperature heat pump arrives at your jobsite fully assembled, tested, charged and all set to facilitate installation. With the integrated hydronic module, you don't need to plan for additional space to install the water pump, valves and hydronic accessories.

The unit is structured with removable panels, that give immediate access to the different components.

## Compact



Thanks to its low profile – less than 1,33 m in height – and small footprint, the 61AF Aquasnap® high temperature heat pump can be installed virtually anywhere.

