Heat pumps

61AF

Air to water

HIGH-TEMPERATURE HEATING
A trusted brand

When Willis Carrier invented the first system for “manufactured weather” in 1902, he sparked an industry that revolutionised 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

The AquaSnap 61AF is a solution that is ready for the future: a unique heat pump system for space heating and domestic hot water production. A solution to replace an existing boiler and enhance the building’s energy efficiency.

Heat pumps use mainly ambient air to generate warm air for domestic heating. This source of renewable energy reduces the overall energy consumption and minimises CO₂ emissions.

With its advanced Carrier core technology, this unit boasts exceptional efficiency and contributes to reduced CO₂ emissions.

Tax reductions and incentives

AquaSnap high-temperature heat pump efficiency qualifies for local tax reductions or rebate incentive programmes.

Carrier heating solutions

80AW
30AW
61AF
30RQ
30XWH
Range from 14 to 105 kW

Down to -20°C

Even in extremely low temperatures the unit can provide domestic hot water up to 55°C.

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

Easy to install

The 61AF AquaSnap high-temperature heat pump arrives at your jobsite fully assembled, tested, charged and all set for easy installation.

With the integrated hydronic module, there is no need for additional space to install the water pump, valves and hydronic accessories.

The unit includes removable panels for immediate access to all components.

Compact

With 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.
The sophisticated Pro-Dialog+ digital control system allows precise adjustment to maximise energy savings and obtain ideal comfort conditions at all times.

Ergonomists helped design the user-friendly display, for easy control of the unit operating parameters.

Main control features:
- User-friendly interface
- Energy management
- 7-day schedule timer
- Boiler control board

Constantly controlled components:
- Compressors
- Condenser water pump
- Fans
- Expansion devices

Monitored parameters:
- Pressure values
- Setpoints
- Outside air temperature
- Entering/leaving water temperature
- Stored operating data (diagnostics)
The ideal solution for a wide range of applications

Reliability
Reliability was a top priority in the design of the AquaSnap heat pump. The unit passed several endurance and transportation tests to reflect the most challenging conditions.

The heat pump’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 for many different operating conditions in Carrier’s state-of-the-art laboratory (ISO standards).

Unit performance is certified by Eurovent - an important guarantee for consultants and installers.

Carrier Service
Backed by a world-wide sales and aftersales organisation, Carrier’s service and maintenance solutions are designed to add maximum value over the full operational life of the system.
## Physical data

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<th>014 (†)</th>
<th>019</th>
<th>022</th>
<th>030</th>
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</table>

* Standardised EUROVENT conditions, heating mode: condenser entering/leaving water temperature 40°C/45°C, outside air temperature 7°C db/6°C wb  
** ECOLABEL conditions, heating mode, integrated capacities: condenser entering/leaving water temperature 30°C/35°C, outside air temperature 2°C db/1°C wb  
*** In accordance with ISO 9614-1  
†† 61AF 014 : single-phase model also available

### Range overview

- **14-19 kW**
- **22-55 kW**
- **75-105 kW**

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