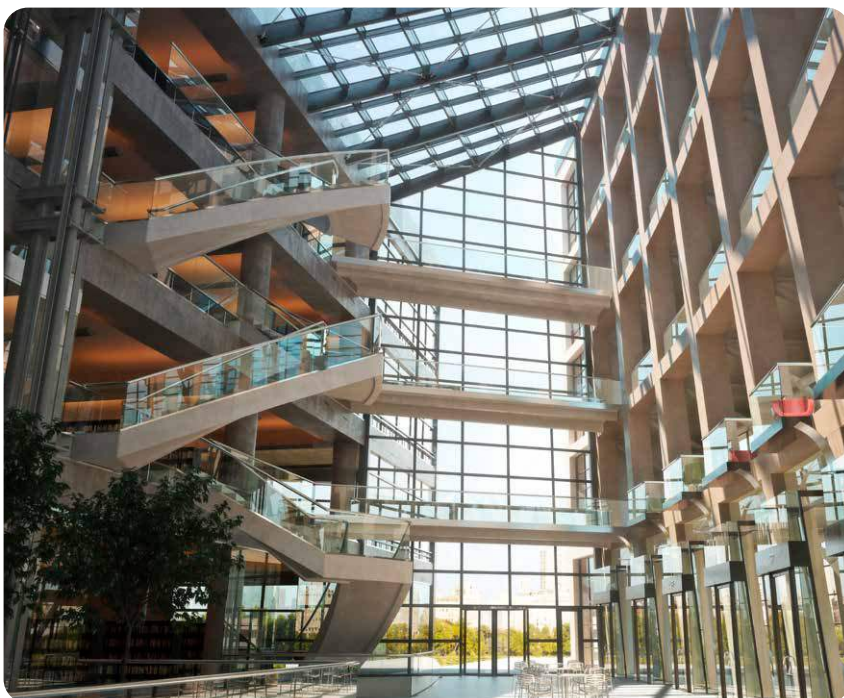




# AquaSnap<sup>®</sup> 30/61WH

**78°C water-source heat pump using  
R-290 refrigerant with a GWP of 0.02 (AR6)**

Cooling capacity: 42 - 680 kW  
Heating capacity: 50 - 824 kW



**AQUASNAP<sup>®</sup>**





AquaSnap®  
30/61WH

## 78°C water-source heat pump using R-290 refrigerant with a GWP of 0.02 (AR6)



AquaSnap® 30/61WH is designed to deliver reliable comfort, whatever the season or application\*.

Its water-source technology provides stable, predictable high-temperature heating\* and hot water up to 78°C (61WH), designed to support stable performance in demanding applications and boiler replacement projects.

At the same time, it is designed with a GWP rated refrigerant of 0.02 (AR6) and compliant with current regulatory requirements, scalable capacity that grows with project needs, and a compact, quiet solution that's easy to install and live with every day.

1



### RELIABLE HIGH-TEMPERATURE HEATING POWERED BY WATER

AquaSnap® 30/61WH uses water-source technology to deliver **stable, predictable performance whatever the season\***. The controlled water environment ensures consistent operating conditions, providing reliable heating\* and hot water production even in demanding applications. With hot **water production up to 78°C\***, the unit is perfectly suited for boiler replacement projects, including radiator systems and high-temperature Domestic Hot Water (DHW) with enables high-temperature operation suitable for systems used in Legionella risk management.

2



### DESIGNED FOR TODAY'S HEATING CHALLENGES

Built around R-290 refrigerant with a GWP of 0.02 (AR6) and a PFAS-free profile, **AquaSnap® 30/61WH** helps customers prepare for the ongoing transition toward lower-GWP refrigerants and electrification. An optimised system design, combined with a reduced refrigerant charge compared with systems of similar capacity, supports operational performance and reliability. Developed with current F-Gas and EcoDesign frameworks in mind, **AquaSnap® 30/61WH** aligns with evolving market and regulatory expectations.

3



### CAPACITY THAT GROWS WITH YOUR PROJECT

Thanks to its modular architecture, **AquaSnap® 30/61WH** adapts to each project's size, layout, and future needs. From 50 to 824 kW, **you can select the exact capacity required today, while keeping the option to scale up tomorrow** by adding units. Modular configurations simplify plant room integration, improve redundancy, and reduce installation constraints - **a flexible solution for modernisation, extensions, and phased investments.**

4

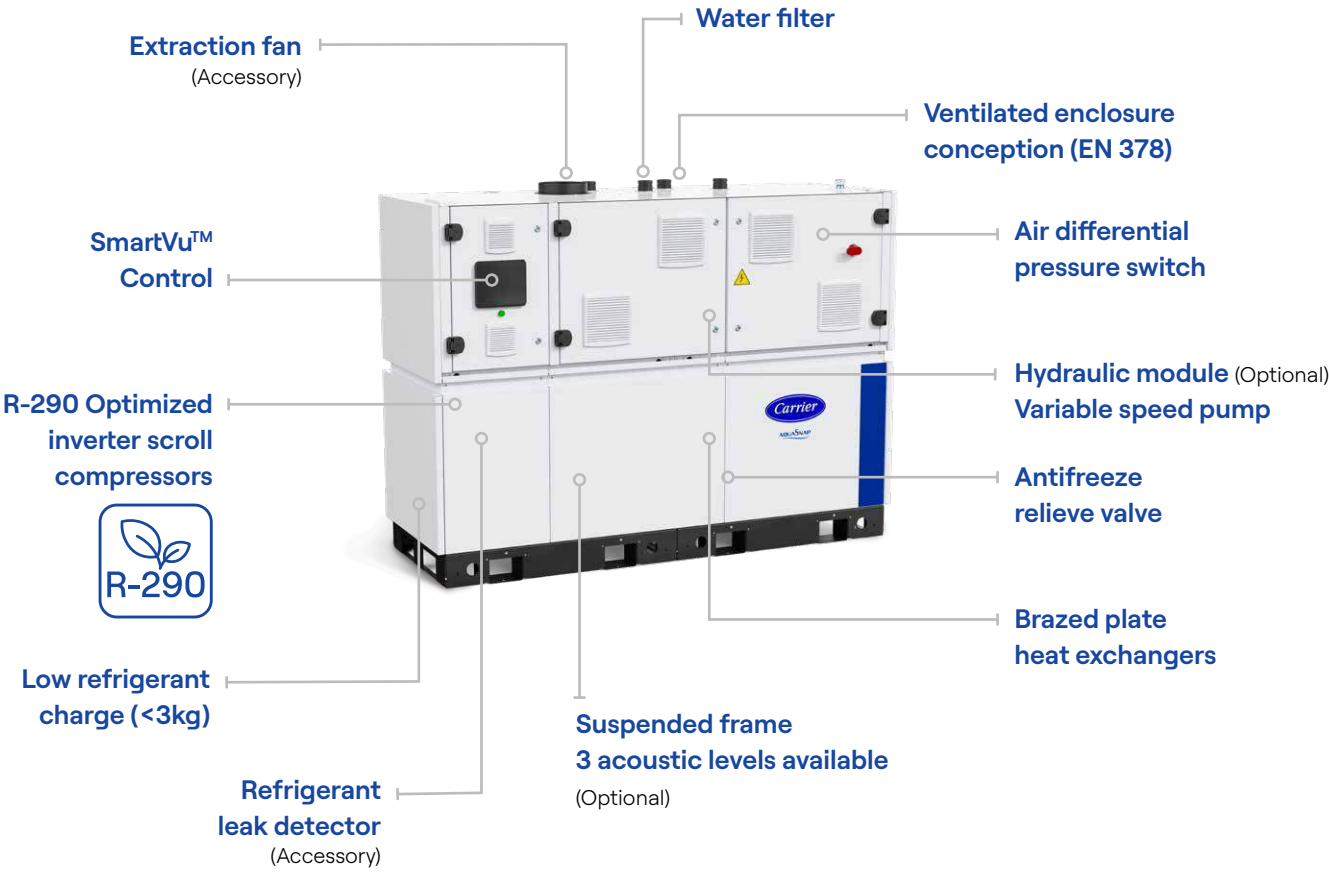


### EASY TO INSTALL AND OPERATE, QUIET TO LIVE WITH

Designed with the installer and end-user in mind, **AquaSnap® 30/61WH** combines a **compact unit and service footprint, front access, and multidirectional connections** to speed up installation, especially where space requirements are limited. During operation, advanced acoustic design, inverter compressors and night mode as standard ensure low noise levels - making the solution well suited for residential, healthcare, and hospitality environments. **Smart controls and connectivity** simplify daily operation and system supervision.

\*Under defined conditions

# Industry-leading Carrier technologies



| Options                                                            | No.         |
|--------------------------------------------------------------------|-------------|
| Low temperature brine (-15°C)                                      | 6B          |
| Low Noise level / Very Low Noise                                   | 257 / 258   |
| Extraction fan                                                     | 350         |
| Lead/lag operation up to 4 units                                   | 58          |
| Variable-speed single-pump hydronic module HP (Evap. & Cond)       | 116V        |
| Extended system management                                         | 156E (30WH) |
| Refrigerant leak detector (kit)                                    | 159C        |
| Three-way valve upstream of dual relief valves (HP & BP)           | 194         |
| Top connection                                                     | 274         |
| Domestic Hot Water - 3WV furniture & Management (Monobloc sizes)   | 347A        |
| Domestic Hot Water sensor (kit)                                    | 312A        |
| External Air Temperature sensor (kit)                              | 312         |
| Exchanger flexible connection kit (kit Evap. & Cond)               | 309A        |
| Antivibratils mounts (Sylomer kit)                                 | 308         |
| Reinforced ECM filtration                                          | 282C        |
| Power Input Energy metering (MID certified)                        | 294         |
| Abound CS BOX (kit)                                                | 298C        |
| Sequencer up to 4 units sequencer - SMS (Mandatory on Modular kit) | 275A        |

## Standard features

### All Inverter:

- Inverter compressor
- Variable speed pump

### R-290 refrigerant:

- GWP = 0.02 (following AR6)
- ODP = 0
- Excellent energy efficiency: SCOP up to +23% and SEER up to +27% compared with previous range
- Compliance with F-Gas environmental regulations

### Built-in hydraulic module with Greenspeed variable-speed pump:

- Eliminates valve adjustments, while automatic pump control adapts to constant speed, pressure, or temperature differences.

### Built-in Legionella prevention management:

- To ensure health and safety compliance.

### Domestic Hot Water management:

- DHW set point & schedule
- DHW 3 ways valve (accessory)
- Easily manages Domestic Hot Water, directing it to the heating circuit or tank with set points and schedules.

### 2 heating zone management:

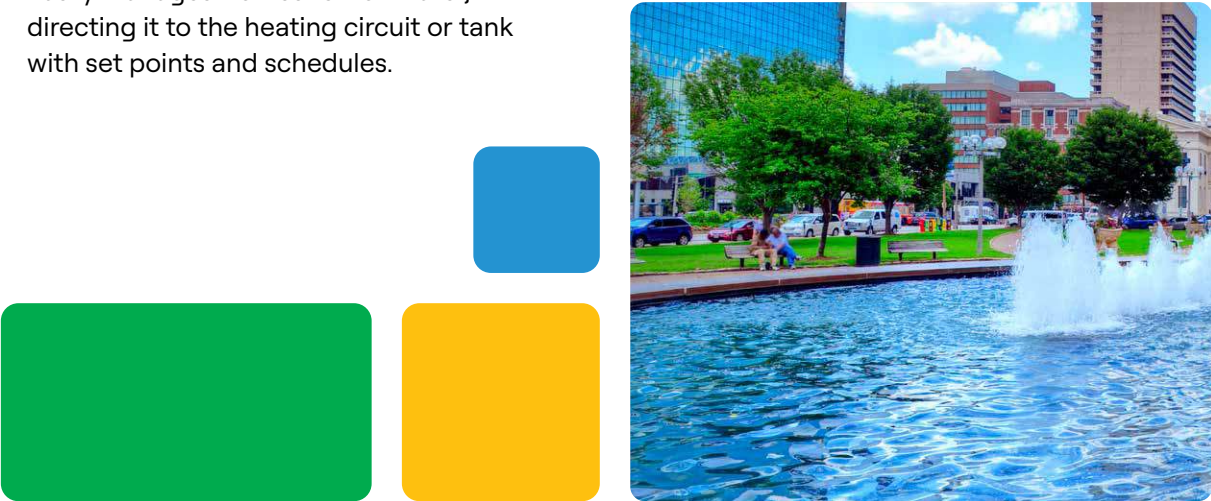
- Set point & schedule per zone.
- The system can efficiently manage up to two heating zones, offering precise control over temperature distribution across the property.

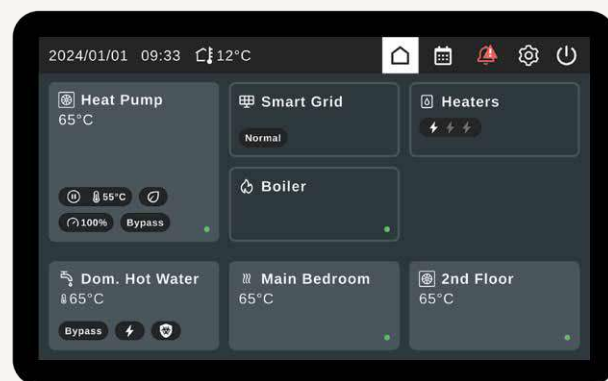
### Smart Grid Ready:

- Units are SGR ready certified, standardized and secured label for integration on the smart electrical networks.

### No compromise on safety:

- Ventilated enclosure according EN-378
- Less than 3kg of refrigerant per circuit
- Extraction fan (accessory)
- Antifreeze valve in standard
- Leak detector (optional)





### SmartVu™ Control, intelligent and user-friendly:

- **SmartVu™ Control:** Real-time monitoring with a 7-inch touchscreen.
- **Heating Management:** Integrates boilers, DHW, and heating zones with customizable schedules and Legionella prevention.
- **Energy Management:** Timers, temperature adjustments, and lead/lag control for up to four units.
- **Integrated Functions:** Night mode, pressure/flow displays, leak alerts, and fault logs.
- **Advanced Connectivity:** Ethernet, Modbus, and Bacnet for system integration and diagnostics.

### Remote management:

- The AquaSnap® unit offers wired control with features like start/stop, dual setpoint activation, and demand limit control. It includes status indicators, and major alarms.
- Advanced controls allow setpoint adjustment, variable speed pump management, boiler integration, and support for up to three external heaters, DHW management, two heating zones, and management of 09PE drycooler.

### Easy and Flexible Installation

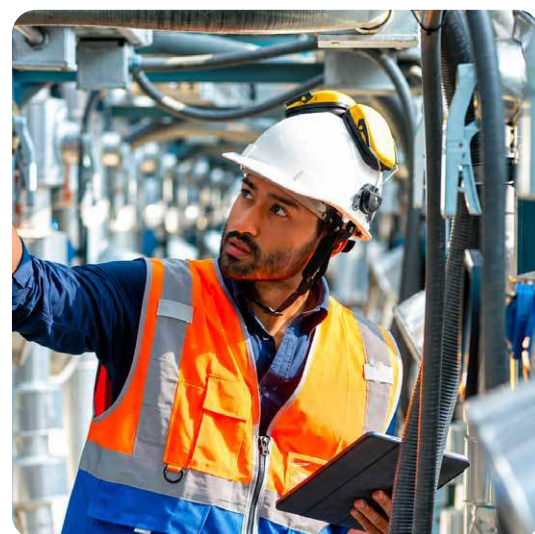
- Designed to simplify both renovation and new-build projects, the 30/61WH offers exceptional installation flexibility while helping optimise valuable building space.

### Ideal for renovation projects (boiler replacement):

- Reduced footprint requirement
- All operation and maintenance access from the front
- Can be installed against a wall or in a corner\*
- In-line installation\*
- Back-to-back installation\*
- Multi-directional hydraulic and electrical connections from the top\*

### Optimised for new buildings:

- Helps reduce technical room size, freeing up valuable floor space for other building uses
- Flexible installation layouts to suit project constraints



### Advanced connectivity as standard:

- Modbus and BACnet communication protocols included as standard
- External device connectivity and unit management capabilities



30/61WH 050P to 100P



30/61WH 102P to 200P



Modular offer 30/61WH 230P to 800P

F-GAS  
READY

ECO  
DESIGN  
READY

SEER up  
to +27%\*

Hot water up to 78°C  
with a source down  
to -15°C

SCOP up to  
+23%\*

CO2 footprint  
reduced by up  
to 99%\*

\* Depending on unit configuration and selected options.

\*Compared to previous range



## BluEdge service plans with digital connectivity for your new advanced high-temperature heat pump



At Carrier, we believe long-term partnerships are the basis of exceptional service.

We will work with you to fully understand the needs of your business, and to propose adapted solutions through your product lifecycle.

**Carrier.com**

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