# Panasonic

AQUAREA

## Aquarea A2W
## Heat Pump Price List
## 2023 / 2024

**heating** & **cooling** solutions

# Panasonic environmental vision 2050

To achieve "a better life" and "a sustainable global environment," Panasonic will work towards creation and more efficient utilisation of energy which exceeds the amount of energy used, aiming for a society with clean energy and a more comfortable lifestyle.
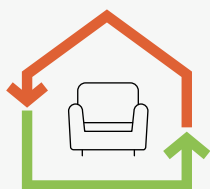


## Energy used < Energy created

One initiative in the Panasonic environmental vision 2050 is offering products with greater energy efficiency. In 2018, we celebrated the 60th anniversary of our Heating & Cooling Solutions business. Our expertise gained over the years has helped us launch a range of products that contribute to a more carbon-free society.

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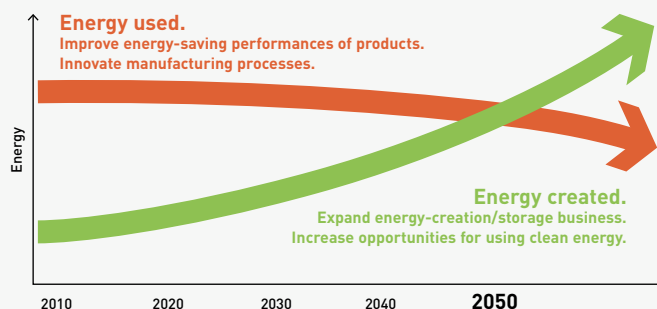### Current status of energy used and energy created

Energy used by Panasonic business activities and products.

**10** Energy used

Clean energy created and / or made available by Panasonic products, etc.

**1** Energy created

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### Working to realise environmental vision 2050

**Energy used.**
Improve energy-saving performances of products.
Innovate manufacturing processes.

**Energy created.**
Expand energy-creation/storage business.
Increase opportunities for using clean energy.

Energy

2010    2020    2030    2040    **2050**

**Vitalise the future with air.**
These are times of exceptional challenge.
If the world is to move forward confidently, it must overcome the serious threats of the new global pandemics and the degrading of the environment. It must find ways large and small to reduce the stresses that affect people's health and the stability of their communities.
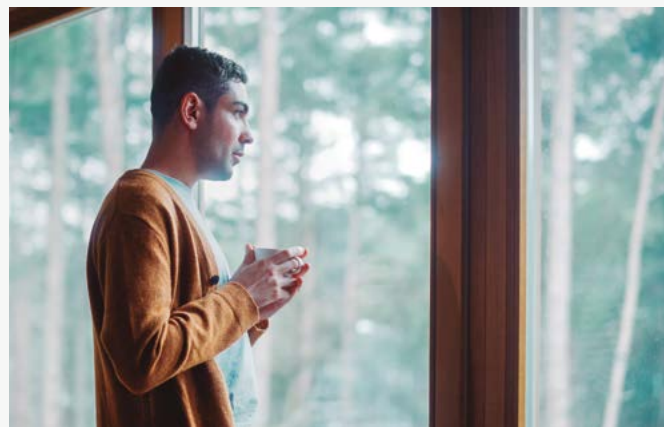
**Bringing nature's balance indoors.**
nanoe™ X, technology with the benefits of hydroxyl radicals.
In today's health-conscious world, we care about taking exercise, we care about what we eat and what we touch, we also care about what we breathe – and technology exists to bring good outdoor air, indoors.

**100% Panasonic, the DNA of Japanese craftsmanship**
Applying advanced technologies that truly make life better, we live by an unparalleled commitment to product quality.
Panasonic is building on the Japanese tradition of uncompromising quality control worldwide, developing and manufacturing fine products and delivering them to customers everywhere.

**A globally trusted air conditioning brand.**
Panasonic – leading the way in Heating and Cooling.
With more than 50 years of experience, selling to more than 120 countries around the world, Panasonic is one of the leaders in the heating and cooling sector.
With a diverse network of production and R&D facilities, Panasonic delivers innovative products incorporating cutting-edge technologies that set the standard for air conditioners worldwide.

# PRO Club. The professional website of Panasonic

**Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets.**
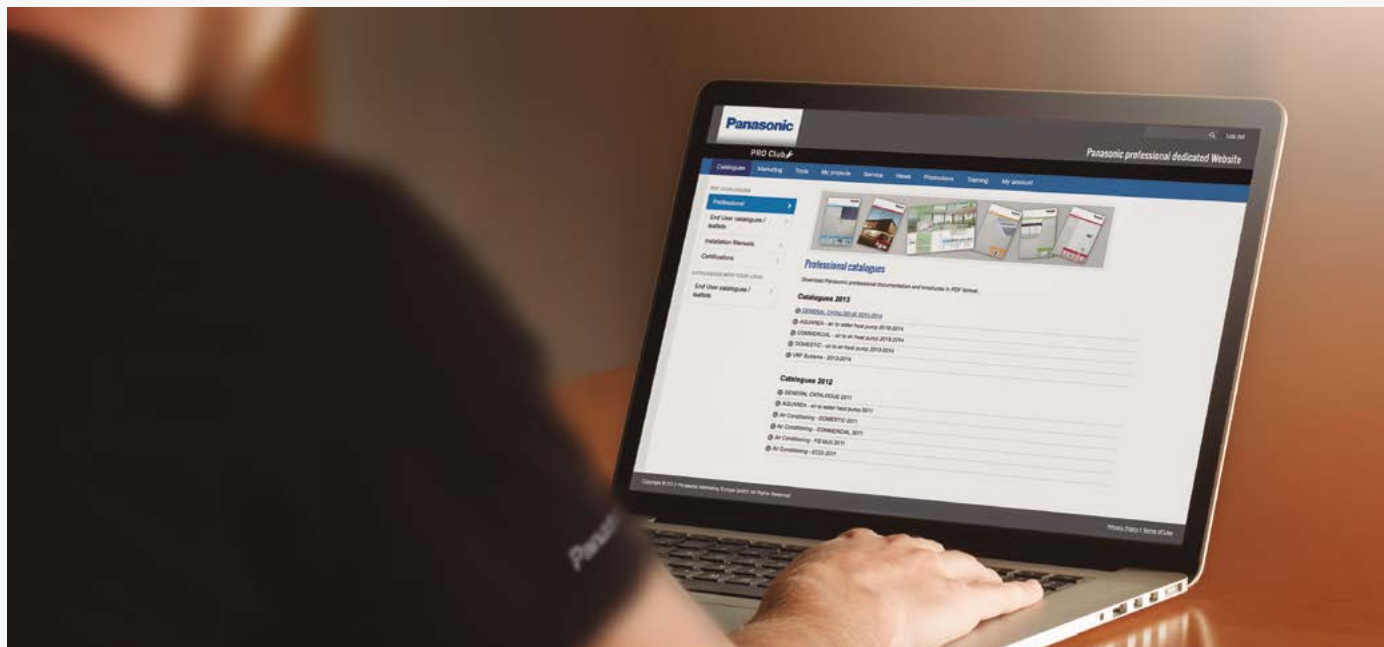


Panasonic PRO Club (www.panasonicproclub.com) is the online tool which makes your life easier! You just have to register and a lot of functionalities are freely available to you, where ever you are, from your computer or smartphone!

· Print catalogues with your logo and contact details
· Access to the extensive library of professional design, selection and calculation tools (Aquarea Designer, VRF software, chiller selector, etc.)
· Get documents of conformity and all other documents you may need
· Download all the service manuals, end user manuals and installation manuals
· Download energy labels in PDF format using the energy label generators

· Download Revit and CAD files and specification texts
· Know what to do with error codes (error code search by error code or unit ref.)
· PRO Academy: register for training
· Download product images in high resolutions, advertisements, deco guidelines
· Get to know special offers and promotions
· Find out about the latest news first



**Easy download Panasonic service documentation and brochures**
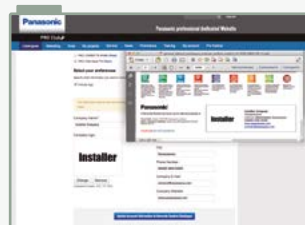


**Customise leaflets with your logo and contact details. Save and print the PDF**



**Energy label generator. Download Energy labels of any device in PDF format**
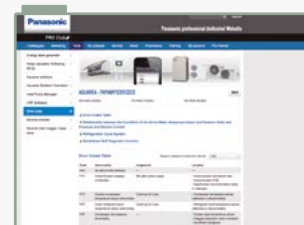


**Error Code on your smartphone and your PC: Search by error code or model reference. Online version + downloadable version for offline use**

Panasonic PRO Club is fully compatible with tablet computer and smartphone.

**Visit www.panasonicproclub.com or connect simply with your smartphone to the PRO Club using this QR.**

PRO Club

Panasonic provides bespoke software and tools helping system designers, installers and dealers to very quickly select, design and size systems or create wiring or hydraulic diagrams at the push of a button.

## Aquarea Designer - online tool

With Panasonic's online tool, projects can be developed simply and easily. The newly developed tool is optimised to help HVAC professionals easily identify the most appropriate Aquarea air to water heat pump for a particular application.



## Domestic AirCon Quick Selector

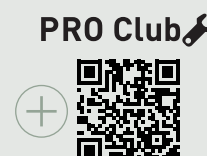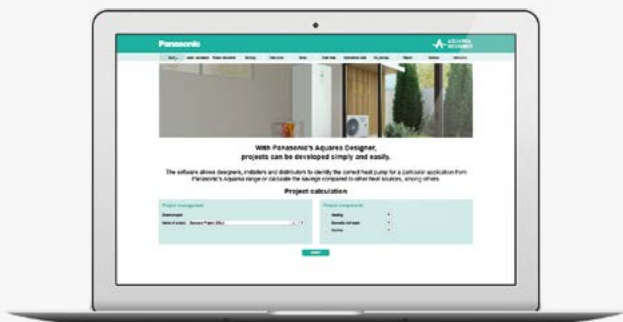This user-friendly online tool for our domestic range allows to choose the best split or multi-split system for each project needs and get the specifications of that particular application.



## New commercial AC design software

The commercial AC design software will be rebuilt with an improved user experience. The new software runs in the cloud and is always up to date with the latest products. An intuitive interface supports the most complicated designs, allows online sharing and project collaboration with multilingual support.

\* Available from Spring 2023.



## Open BIM

Design, analysis and BIM modeling of Panasonic VRF and Air to Water heat pump systems. Generates documents, 3D model, schematics and drawings. This application is integrated into the Open BIM workflow via the BIMserver.center platform.
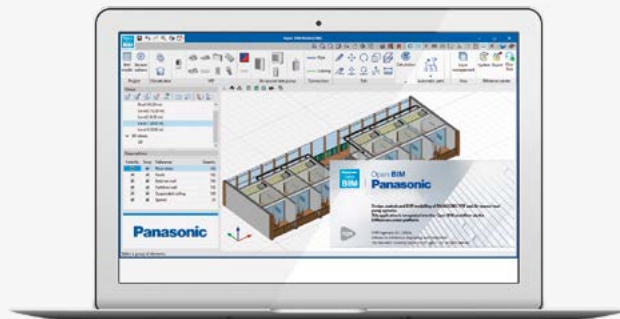


## Chiller configurator

This online software solution offers a complete tool to allow the user to accurately calculate the performance at specified conditions, select and configure our range of commercial chillers, heat pumps and fan coils. It also provides a comprehensive report to share with customers and clients alike.



## Refrigeration designer

This simple design tool supports engineers, installers, and technicians to make a quick calculation for commercial refrigeration systems.
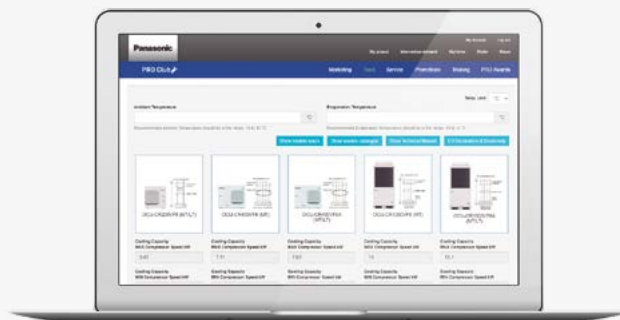
AQUAREA

# Welcome to Aquarea air to water heat pumps

From 3 kW to 16 kW, Panasonic's Aquarea air to water heat pumps range is one of the widest on the market, offering solutions for most properties, whatever their size and heating and cooling demands. Suitable for new build and refurbishment projects, the solutions are cost-effective with minimised environmental impact.

## New Aquarea L Generation, with natural refrigerant R290.

· Ideal for retrofit applications
· Hydro connection between the indoor and outdoor unit
· Water outlet temperatures of up to 75 °C down to -10 °C
· Domestic hot water up to 65 °C without heater
· New indoor unit design plus a new outdoor unit in anthracite grey
· Wi-Fi adapter included

R290
NATURAL
REFRIGERANT

## New Aquarea K Generation.

· Ideal solution for new build applications
· Water outlet temperatures of up to 60 °C down to -10 °C
· Available in High Performance and T-CAP ranges
· New indoor unit design plus a renewed outdoor unit in anthracite grey
· Seamless connectivity integration
· Remote controller designed in harmony with the whole system

## T-CAP Monobloc in R32.

Offering the maximum comfort and flexibility, the Aquarea T-CAP Monobloc J Generation in R32 can maintain the heat pump output capacity until -20 °C outdoor temperature or reach up to 65 °C water outlet.

## Aquarea Smart and Service Cloud.

A powerful and intuitive service for remotely controlling the full range of heating and hot water functions, including monitoring energy consumption. Aquarea Service Cloud allows installers to take care of their customers' heating systems remotely.

# Aquarea Heat Pump line-up



**All in One System.**
The system, consisting of separate indoor and outdoor units, connects to the heating and/or hot water system. The indoor unit includes a stainless steel DHW tank (185 L).

**Bi-bloc System.**
The system, consisting of separate indoor and outdoor units, connects to the heating and/or hot water system (tank not included).
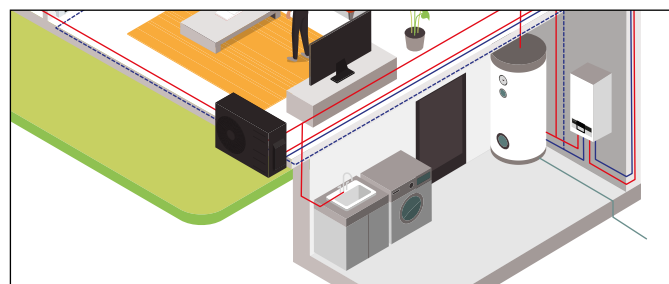
**Monobloc System.**
This only has an outdoor unit. The installation doesn't require a refrigerated connection and is only connected to the heating and/or hot water (tank not included).
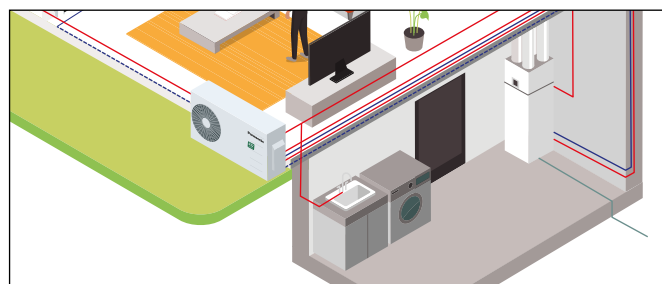




## Aquarea Smart Cloud for the users.

### The most advanced heating control for today and for the future.

Aquarea can be connected to the Cloud*, enabling a powerful and intuitive service for remotely controlling the full range of heating and hot water functions, including monitoring energy consumption.

* Requires Wi-Fi adapter CZ-TAW1B.

## Aquarea Service Cloud for installers.

### The Aquarea Service Cloud allows installers to take care of their customers' heating systems remotely.

It saves time and money and shortens the response time, thus increasing the customers' satisfaction.

Panasonic Aquarea offers you solutions, helping to make the home more efficient and the installation cheaper and easier.

## Aquarea High Performance

**For new installations and low consumption homes.**
Outstanding efficiency and energy savings with minimised $CO_2$ emissions and minimum space. Improved performance with COPs up to 5.33 for J and K Generation 3 kW.
Now also available with natural refrigerant R290.
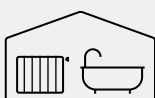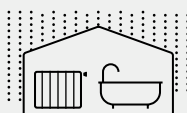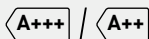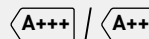
## Aquarea T-CAP

**For extremely low temperatures, refurbishment and innovation.**
Ideal to ensure that the heating capacity is maintained even at very low temperatures. This line-up is able to maintain the heat pump output capacity until -20 °C[1] outdoor temperature without the help of an electrical booster heater.

1) At 35 °C flow temperature.

| Aquarea High Performance | Aquarea T-CAP |
|---|---|
| Heating - Cooling - DHW | Heating - Cooling - DHW |
| **Connectable to** | |
| Radiators - Fan coil - Underfloor heating - DHW | Radiators - Fan coil - Underfloor heating - DHW |
| **Application** | |
| New buildings and retrofit | Extreme cold ambient and retrofit |
| **Energy efficiency (Heating 35 °C / 55 °C [1])** | |
| A+++ / A++ | A+++ / A++ |
| **Control and connectivity** | |
| Smart Grid Contact [2] Wireless LAN Ready (included in L generation) | Smart Grid Contact [2] Wireless LAN Ready |

| | Aquarea High Performance | | | Aquarea T-CAP | | |
|---|---|---|---|---|---|---|
| **Generation** | J | K | L | H | J | K |
| Minimum outdoor temperature | -20 °C | -25 °C | -25 °C | -28 °C | -20 °C [3] | -28 °C |
| Maximum supply temperature for heating | 60 °C | 60 °C | 75 °C [4] | 60 °C [5] | 65 °C [6] | 65 °C [6] |
| Refrigerant | R32 | R32 | R290 | R410A | R32 | R32 |
| Type | Monobloc | Split | Hydro-Split | Split | Monobloc | Split |
| Single phase capacities | 5, 7, 9 kW | 3, 5, 7, 9 kW | 5, 7, 9 kW | 9, 12 kW | 9, 12 kW | 9, 12 kW |
| Three phase capacities | — | — | — | 16 kW | 9, 12, 16 kW | 9, 12 kW |

All data in this chart is applicable in most of models in each line up, check product specs to confirm. 1) Scale from A+++ to D. 2) J and H Generations with CZ-NS4P. K and L Generations with CZ-NS5P. 3) 9, 12 and 16 kW. 4) DHW maximum temperature with heater. 5) In case of outdoor temperature over –10 °C. 6) It is possible to set temperature by 65 °C on remote controller. Normally, outlet water temperature is 60 °C or lower. In case of ΔT setting with remote controller is 15 °C and the outdoor ambient temperature is 5 to 20 °C, outlet water temperature 65 °C is possible.

| | 3 kW | 5 kW | 7 kW |
|---|---|---|---|

**Aquarea High Performance**

**Hydro-Split All in One 1ph**

P. 14

| | | R290 NATURAL REFRIGERANT | R290 NATURAL REFRIGERANT |
|---|---|---|---|
| | | **NEW** WH-ADC0509L3E5UK [1] WH-WDG05LE5 | **NEW** WH-ADC0509L3E5UK [1] WH-WDG07LE5 |

**Hydro-Split Bi-bloc 1ph**

P. 14

| | | R290 NATURAL REFRIGERANT | R290 NATURAL REFRIGERANT |
|---|---|---|---|
| | | **NEW** WH-SDC0509L3E5 WH-WDG05LE5 | **NEW** WH-SDC0509L3E5 WH-WDG07LE5 |

**Refrigerant Split All in One 1ph**

P. 15

| | **NEW** WH-ADC0309K3E5UK [1] WH-UDZ03KE5 — WH-ADC0309J3E5UK WH-UD03JE5 | **NEW** WH-ADC0309K3E5UK [1] WH-UDZ05KE5 — WH-ADC0309J3E5UK WH-UD05JE5 | **NEW** WH-ADC0309K3E5UK [1] WH-UDZ07KE5 — WH-ADC0309J3E5UK WH-UD07JE5 |
|---|---|---|---|

**Refrigerant Split Bi-bloc 1ph**

P. 15

| | **NEW** WH-SDC0309K3E5 [1][2] WH-UDZ03KE5 [2] | **NEW** WH-SDC0309K3E5 [1][2] WH-UDZ05KE5 [2] | **NEW** WH-SDC0309K3E5 [1][2] WH-UDZ07KE5 [2] |
|---|---|---|---|

**Monobloc 1ph**

P. 16,

| | | WH-MDC05J3E5 | WH-MDC07J3E5 |
|---|---|---|---|

**Refrigerant Split All in One 1ph**

P. 16

**Aquarea T-CAP**

**Refrigerant Split Bi-bloc 1ph / 3ph**

P. 18

**Monobloc 1ph / 3ph**

P. 19

Models with R290 refrigerant. Models with R32 refrigerant.
1) Also available with 6 kW back-up heater. 2) Available Autumn 23. 3) Also available with 9 kW back-up heater.
WH-___E5 1ph // WH-___E8 3ph.

| 9 kW | 12 kW | 16 kW |
|---|---|---|



R290 NATURAL REFRIGERANT

**NEW**
WH-ADC0509L3E5UK [1]
WH-WDG09LE5



R290 NATURAL REFRIGERANT

**NEW**
WH-SDC0509L3E5
WH-WDG09LE5



**NEW**
WH-ADC0309K3E5UK [1]
WH-UDZ09KE5



**NEW**
WH-SDC0309K3E5 [1] [2]
WH-UDZ09KE5 [2]


WH-MDC09J3E5


WH-MDC12H6E5


WH-MDC16H6E5



**NEW**
WH-ADC0912K6E5UK
WH-UXZ09KE5



**NEW**
WH-ADC0912K6E5UK
WH-UXZ12KE5



**NEW**
WH-SXC09K3E5 [1] [2]
WH-UXZ09KE5 [2]
WH-SXC09K3E8 [2] [3]
WH-UXZ09KE8 [2]

WH-SXC09H3E5
WH-UX09HE5



**NEW**
WH-SXC12K6E5 [2]
WH-UXZ12KE5 [2]
WH-SXC12K9E8 [2]
WH-UXZ12KE8 [2]

WH-SXC12H6E5
WH-UX12HE5


WH-SXC16H9E8
WH-UX16HE8


WH-MXC09J3E5
WH-MXC09J3E8


WH-MXC12J6E5
WH-MXC12J9E8


WH-MXC16J9E8

# Aquarea components

Panasonic Aquarea A2W heat pumps come with a high level of components as standard that is required for your system to operate, no need to build a unit each time you order, this provides a true price of the unit rather than having to build it each time to find out, no hidden costs.
For a full list items included with each unit along with performance data, see the list below:

| | | | | | | | | Performance figures | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Type | Outdoor unit (WH-) | Indoor unit (WH-) | Generation version | Refrigerant | Single or three phase | 2 Additional volume required on open circuit for defrost (l) | Maximum flow temperature (00c) | Eco-design average climate 35 °C ηs (%) | Eco-design average climate 350c (SCOP) | Eco-design average climate 550c ηs (%) | Eco-design average climate 55 °C (SCOP) | kW output (A 3 / W 35) | Mcs scop (A 3 / W 35) | Kw output (A 3 / W 45) | Mcs SCOP (A 3 / W 45) | Kw output (A 3 / W 55) | Mcs SCOP (A 3 / W 55) | Sound power level dB (EN12102 full power - A 7 / W 55) | Sound power level dB (quiet mode 3) |
| Monobloc | MDC05J3E5 | — | J | R32 | Single | Zero | 60 | 203 | 5,15 | 143 | 3,66 | 5,10 | 5,00 | 4,90 | 4,13 | 4,89 | 3,54 | 60 | 56 |
| Monobloc | MDC07J3E5 | — | J | R32 | Single | Zero | 60 | 204 | 5,17 | 146 | 3,71 | 6,96 | 5,03 | 6,58 | 3,97 | 6,35 | 3,61 | 61 | 58 |
| Monobloc | MDC09J3E5 | — | J | R32 | Single | Zero | 60 | 205 | 5,19 | 144 | 3,68 | 7,39 | 5,07 | 7,09 | 4,07 | 7,01 | 3,58 | 65 | 59 |
| Monobloc | MXC09J3E5 | — | J | R32 | Single | Zero | 65 | 208 | 5,26 | 147 | 3,74 | 9,00 | 5,09 | 9,00 | 4,23 | 9,00 | 3,60 | 69 | 56 |
| Monobloc | MXC09J3E8 | — | J | R32 | Three | Zero | 65 | 208 | 5,26 | 147 | 3,74 | 9,00 | 5,09 | 9,00 | 4,23 | 9,00 | 3,60 | 69 | 56 |
| Monobloc | MXC12J6E5 | — | J | R32 | Single | Zero | 65 | 206 | 5,23 | 148 | 3,77 | 12,01 | 5,14 | 12,07 | 4,24 | 12,10 | 3,56 | 72 | 55 |
| Monobloc | MXC12J9E8 | — | J | R32 | Three | Zero | 65 | 206 | 5,23 | 148 | 3,77 | 12,01 | 5,14 | 12,07 | 4,24 | 12,10 | 3,56 | 72 | 55 |
| Monobloc | MXC16J9E8 | — | J | R32 | Three | Zero | 65 | 173 | 4,40 | 135 | 3,45 | 16,00 | 4,22 | 16,00 | 3,77 | 16,05 | 3,32 | 72 | — |
| Monobloc | WDG05LE5 | SDC0509L3E5 | L | R290 | Single | Zero | 75 | 202 [1] | 5.12 [1] | 142 [1] | 3.63 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Monobloc | WDG07LE5 | SDC0509L3E5 | L | R290 | Single | Zero | 75 | 193 [1] | 4.90 [1] | 130 [1] | 3.32 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Monobloc | WDG09LE5 | SDC0509L3E5 | L | R290 | Single | Zero | 75 | 193 [1] | 4.90 [1] | 130 [1] | 3.32 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Monobloc | WXG09LE5 | SXC0916L3E5 | L | R290 | Single | Zero | 75 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Monobloc | WXG12LE5 | SXC0916L6E5 | L | R290 | Single | Zero | 75 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Monobloc | WXG16LE8 | SXC0916L9E8 | L | R290 | Three | Zero | 75 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UX09HE5 | SXC09H3E5 | H | R410A | Single | Zero | 60 | 195 | 4,96 | 135 | 3,45 | 9,00 | 4,84 | 9,00 | 3,90 | 9,00 | TBC | 64 | — |
| Bi-Bloc | UX09HE8 | SXC09H3E8 | H | R410A | Three | Zero | 60 | 195 | 4,96 | 135 | 3,45 | 9,00 | 4,84 | 9,00 | 3,90 | 9,00 | TBC | 64 | — |
| Bi-Bloc | UX12HE5 | SXC12H6E5 | H | R410A | Single | Zero | 60 | 182 | 4,62 | 126 | 3,21 | 12,00 | 4,50 | 12,08 | 3,83 | 12,12 | TBC | 66 | — |
| Bi-Bloc | UX12HE8 | SXC12H9E8 | H | R410A | Three | Zero | 60 | 182 | 4,62 | 126 | 3,21 | 12,00 | 4,50 | 12,08 | 3,83 | 12,12 | TBC | 66 | — |
| Bi-Bloc | UX16HE8 | SXC16H9E8 | H | R410A | Three | Zero | 60 | 174 | 4,42 | 124 | 3,16 | 16,00 | 4,33 | 16,00 | 3,59 | 16,05 | TBC | 68 | — |
| Bi-Bloc | UDZ03KE5 | SDC0309K3E5 | K | R32 | Single | Zero | 60 | 200 [1] | 5.07 [1] | 136 [1] | 3.47 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UDZ05KE5 | SDC0309K3E5 | K | R32 | Single | Zero | 60 | 202 [1] | 5.12 [1] | 142 [1] | 3.63 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UDZ07KE5 | SDC0309K3E5 | K | R32 | Single | Zero | 60 | 193 [1] | 4.90 [1] | 142 [1] | 3.62 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UDZ09KE5 | SDC0309K3E5 | K | R32 | Single | Zero | 60 | 175 [1] | 4.44 [1] | 133 [1] | 3.41 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UXZ09KE5 | SDC0916K3E5 | K | R32 | Single | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UXZ09KE8 | SDC0916K3E8 | K | R32 | Three | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UXZ12KE5 | SDC0916K6E5 | K | R32 | Single | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UXZ12KE8 | SDC0916K9E8 | K | R32 | Three | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| Bi-Bloc | UXZ16KE8 | SDC0916K9E8 | K | R32 | Three | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | WDG05LE5 | ADC0509L3E5UK | L | R290 | Single | Zero | 75 | 202 [1] | 5.12 [1] | 142 [1] | 3.63 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | WDG07LE5 | ADC0509L3E5UK | L | R290 | Single | Zero | 75 | 193 [1] | 4.90 [1] | 130 [1] | 3.32 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | WDG09LE5 | ADC0509L3E5UK | L | R290 | Single | Zero | 75 | 193 [1] | 4.90 [1] | 130 [1] | 3.32 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | UDZ03KE5 | ADC0309K3E5UK | K | R32 | Single | Zero | 60 | 200 [1] | 5.07 [1] | 136 [1] | 3.47 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | UDZ05KE5 | ADC0309K3E5UK | K | R32 | Single | Zero | 60 | 202 [1] | 5.12 [1] | 142 [1] | 3.63 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | UDZ07KE5 | ADC0309K3E5UK | K | R32 | Single | Zero | 60 | 193 [1] | 4.90 [1] | 142 [1] | 3.62 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | UDZ09KE5 | ADC0309K3E5UK | K | R32 | Single | Zero | 60 | 175 [1] | 4.44 [1] | 133 [1] | 3.41 [1] | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | UXZ09KE5 | ADC0912K6E5UK | K | R32 | Single | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |
| All in One | UXZ12KE5 | ADC0912K6E5UK | K | R32 | Single | Zero | 60 | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC | TBC |

Left-side section labels: Refrigerant Split (Bi-Bloc section); Hydro-Split and Refrigerant Split (All in One section).

1) Preliminary data. 2) Reduced volume may require back up heater operation to support defrost cycle.

## Standard items included in unit

| Aquarea Smart Cloud for remote control and maintenance (CZ-TAW1B) | Inline filter | Magnetic particle filter | Heating expansion vessel (l) | "A" rated circulation pump | Backup heater (kW) | Electronic flow sensor | Water pressure gauge | Floor mounting rail on outdoor unit | Pressure relief valve | Air purge valve |
|---|---|---|---|---|---|---|---|---|---|---|
| Yes | Yes | Yes | Yes (6) | Yes | Yes (3) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (6) | Yes | Yes (3) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (6) | Yes | Yes (3) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (10) | Yes | Yes (3) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (10) | Yes | Yes (3) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (10) | Yes | Yes (6) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (10) | Yes | Yes (6) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes (10) | Yes | Yes (9) | Yes | Yes | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (6) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (9) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes (10) | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes (10) | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes (10) | Yes | Yes (6) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes (10) | Yes | Yes (6) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes (10) | Yes | Yes (9) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (6) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (9) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (9) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes (3) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes | Yes | Yes (6) | Yes | Yes | No | Yes | Yes |
| Yes | Yes | No | Yes | Yes | Yes (6) | Yes | Yes | No | Yes | Yes |

## Optional items that can be added to the unit

| Optional magnet for the water filter in H Generation models (PAW-A2W-MGTFILTER) | Anti-freeze valve (PAW-A2W-AFVLV) | 3 Way valve for DHW tanks (PAW-3WYVLV-HW) | 3 Way valve kit for inside the hydrokit (CZ-NV1)* (CZ-NV2)** | PCB for advanced functions J Generation (CZ-NS4PJ* K and L Generations (CZ-NS5PJ)** | Aquarea Smart Cloud for remote control and maintenance (CZ-TAW1B) | Outdoor ambient sensor (PAW-A2W-TSOD) | 10 m extension cable for CZ-TAW1B (CZ-TAW1-CBL) | Zone room sensor (PAW-A2W-TSRT) | Zone water sensor (PAW-A2W-TSHC) | Buffer tank sensor (PAW-A2W-TSBU) |
|---|---|---|---|---|---|---|---|---|---|---|
| N/A | Yes | Yes | N/A | Yes* | Yes | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | Yes | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | N/A | Yes* | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | Yes** | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | Yes** | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | Yes** | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | Yes** | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | Yes** | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | Yes | Yes** | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | Yes | Yes | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | Yes | Yes* | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | N/A | N/A | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | N/A | N/A | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | Yes | N/A | N/A | Yes** | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | N/A | N/A | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | N/A | N/A | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | N/A | N/A | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| N/A | N/A | N/A | N/A | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | N/A | N/A | Yes | N/A | Yes | Yes | Yes | Yes | Yes |
| Yes | N/A | N/A | N/A | Yes | N/A | Yes | Yes | Yes | Yes | Yes |

# Aquarea High Performance Hydro-Split

**NEW Aquarea High Performance Hydro-Split All in One L Generation Single phase. Heating and Cooling · R290**

Wi-Fi adapter included.
Indoor unit (H x W x D): 1642 x 599 x 602 mm.
Operation range down to -25 °C in heating.

R290 NATURAL REFRIGERANT

New 2023

| Kit | | | | | | Indoor unit | | Outdoor unit | | | RRP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Heating capacity / COP | | Cooling capacity / EER | Energy class Heat / Cool | | | Weight | | Dimension | Weight | |
| | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | W 35 °C / W 55 °C | DHW | | | | H x W x D | | |
| | kW / COP | kW / COP | kW / EER | A+++ to D | A+ to F | | kg | | mm | kg | £ |
| | KIT-ADC05L3E5UK | 5.00 / 5.05 | 5.00 / 3.07 | 5.00 / 5.00 | A+++ / A++ | A+ | WH-ADC0509L3E5UK | 93 | WH-WDG05LE5 | 996 x 980 x 430 | 98 | 7,150 |
| 1ph | KIT-ADC07L3E5UK | 7.00 / 4.93 | 7.00 / 2.98 | 7.00 / 4.73 | A+++ / A++ | A+ | WH-ADC0509L3E5UK | 93 | WH-WDG07LE5 | 996 x 980 x 430 | 98 | 7,266 |
| | KIT-ADC09L3E5UK | 9.00 / 4.55 | 8.90 / 3.03 | 9.00 / 4.19 | A+++ / A++ | A+ | WH-ADC0509L3E5UK | 93 | WH-WDG09LE5 | 996 x 980 x 430 | 97 | 7,534 |

**Piping information**

| Kit | kW | 5.0 | 7.0 | 9.0 |
|---|---|---|---|---|
| Water pipe connector (in / out) | Inch | 1/1 | 1/1 | 1/1 |
| Pipe length range standard / maximum | m | 5/30 | 5/30 | 5/30 |
| Elevation difference (in / out) | m | 10 | 10 | 10 |

**Electrical information (power supply to indoor)**

| Kit | | Single phase | | |
|---|---|---|---|---|
| | kW | 5.0 | 7.0 | 9.0 |
| Electric backup heater | kW | 3.00 | 3.00 | 3.00 |
| Recommended RCD, supply 1 / 2 | A | 25/16 | 25/16 | 25/16 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3x2.5/3x1.5 | 3x2.5/3x1.5 | 3x2.5/3x1.5 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511. ** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

**NEW Aquarea High Performance Hydro-Split Bi-bloc L Generation Single phase. Heating and Cooling · R290**

Wi-Fi adapter included.
Indoor unit (H x W x D): 892 x 500 x 348 mm.
Operation range down to -25 °C in heating.

R290 NATURAL REFRIGERANT

New 2023

**Tentative data**

| Kit | | | | | Indoor unit | | Outdoor unit | | | RRP |
|---|---|---|---|---|---|---|---|---|---|---|
| | Heating capacity / COP | | Cooling capacity / EER | Energy class | | Weight | | Dimension | Weight | |
| | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | Heat / Cool (W 35 °C / W 55 °C) | | | | H x W x D | | |
| | kW / COP | kW / COP | kW / EER | A+++ to D | | kg | | mm | kg | £ |
| | KIT-WC05L3E5 | 5.00 / 5.05 | 5.00 / 3.07 | 5.00 / 3.23 | A+++ / A++ | WH-SDC0509L3E5 | — | WH-WDG05LE5 | 996 x 980 x 430 | 98 | 4,069 |
| 1ph | KIT-WC07L3E5 | 7.00 / 4.93 | 7.00 / 2.98 | 7.00 / 3.03 | A+++ / A++ | WH-SDC0509L3E5 | — | WH-WDG07LE5 | 996 x 980 x 430 | 98 | 4,185 |
| | KIT-WC09L3E5 | 9.00 / 4.55 | 8.90 / 3.03 | 8.20 / 2.82 | A+++ / A++ | WH-SDC0509L3E5 | — | WH-WDG09LE5 | 996 x 980 x 430 | 97 | 4,453 |

**Piping information**

| Kit | kW | 5.0 | 7.0 | 9.0 |
|---|---|---|---|---|
| Water pipe connector (in / out) | Inch | 1/1 | 1/1 | 1/1 |
| Pipe length range standard / maximum | m | 5/30 | 5/30 | 5/30 |
| Elevation difference (in / out) | m | 10 | 10 | 10 |

**Electrical information (power supply to indoor)**

| Kit | | Single phase | | |
|---|---|---|---|---|
| | kW | 5.0 | 7.0 | 9.0 |
| Electric backup heater | kW | 3.00 | 3.00 | 3.00 |
| Recommended fuse | A | 25/16 | 25/16 | 25/16 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3x2.5/ 3x1.5 | 3x2.5/ 3x1.5 | 3x2.5/ 3x1.5 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511. ** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility. *** Tentative data.

# Aquarea High Performance

**NEW Aquarea High Performance Refrigerant Split All in One
K Generation Single phase. Heating and Cooling · R32**

Wi-Fi adapter included.
Indoor unit (H x W x D): 1642 x 599 x 602 mm.
Operation range down to -25 °C [1] in heating.

New 2023

| Kit | | Heating capacity / COP | | Cooling capacity / EER | Energy class Heat / Cool | | Indoor unit | | Outdoor unit | | | RRP |
|-----|--|------------------------|--|------------------------|-------------------------|--|-------------|--|--------------|--|--|-----|
| | | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | W 35 °C / W 55 °C | DHW | | Weight | | Dimension H x W x D | Weight | |
| | | kW / COP | kW / COP | kW / EER | A+++ to D | A+ to F | | kg | | mm | kg | £ |
| 1ph | KIT-ADC03K3E5UK | 3.20 / 5.33 | — / — | — / — | A+++ / A++ | A+ | WH-ADC0309K3E5UK | 100 | WH-UDZ03KE5 | 622 x 824 x 298 | 37 | 6,455 |
| | KIT-ADC05K3E5UK | 5.00 / 5.10 | 5.00 / 3.03 | 5.00 / 4.90 | A+++ / A++ | A+ | WH-ADC0309K3E5UK | 100 | WH-UDZ05KE5 | 795 x 875 x 320 | 55 | 6,575 |
| | KIT-ADC07K3E5UK | 7.00 / 4.86 | 7.00 / 2.92 | 6.70 / 4.72 | A+++ / A++ | A+ | WH-ADC0309K3E5UK | 100 | WH-UDZ07KE5 | 795 x 875 x 320 | 55 | 6,679 |
| | KIT-ADC09K3E5UK | 9.00 / 4.55 | 8.90 / 2.93 | 9.00 / 4.18 | A+++ / A++ | A+ | WH-ADC0309K3E5UK | 100 | WH-UDZ09KE5 | 795 x 875 x 320 | 55 | 6,918 |

**Piping information**

| Kit | kW | 3.0 | 5.0 | 7.0 | 9.0 |
|-----|----|-----|-----|-----|-----|
| Piping diameter (liquid - gas) | Inch | 1/4 - 1/2 | 1/4 - 5/8 | 1/4 - 5/8 | 1/4 - 5/8 |
| Pipe length range | m | 3 ~ 25 | 3 ~ 40 / 3 ~ 50 [1] | 3 ~ 40 / 3 ~ 50 [1] | 3 ~ 40 / 3 ~ 50 [1] |
| Elevation difference (in / out) | m | 20 | 30 | 30 | 30 |
| Pre-charged pipe length | m | 10 | 10 | 10 | 10 |
| Additional gas amount | g/m | 20 | 25 | 25 | 25 |

**Electrical information (power supply to indoor)**

| Kit | | Single phase | | | |
|-----|--|--------------|--|--|--|
| Kit | kW | 3.0 | 5.0 | 7.0 | 9.0 |
| Electric backup heater | kW | 3.00 | 3.00 | 3.00 | 3.00 |
| Recommended fuse | A | 16 / 16 | 16 / 16 | 25 / 16 | 25 / 16 |
| Recommended minimum cable size, supply 1 / 2 [2] | mm² | 3 x 1.5 / 3 x 1.5 | 3 x 1.5 / 3 x 1.5 | 3 x 2.5 / 3 x 1.5 | 3 x 2.5 / 3 x 1.5 |

1) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 2) Check local regulations.* EER and COP calculation is based in accordance to EN14511. ** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

**NEW Aquarea High Performance Refrigerant Split Bi-bloc
K Generation Single phase. Heating and Cooling · R32**

Wi-Fi adapter included.
Indoor unit (H x W x D): 892 x 500 x 348 mm.
Operation range down to -25 °C [1] in heating.

New 2023

**Tentative data**

| Kit | | Heating capacity / COP | | Cooling capacity / EER | Energy class | Indoor unit | | Outdoor unit | | | RRP |
|-----|--|------------------------|--|------------------------|--------------|-------------|--|--------------|--|--|-----|
| | | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 7 °C | Heat / Cool (W 35 °C / W 55 °C) | | Weight | | Dimension H x W x D | Weight | |
| | | kW / COP | kW / COP | kW / EER | A+++ to D | | kg | | mm | kg | £ |
| 1ph | KIT-WC03K3E5 | 3.20 / 5.33 | 3.20 / 2.81 | 3.20 / 3.52 | A+++ / A++ | WH-SDC0309K3E5 | | WH-UDZ03KE5 | 622 x 824 x 298 | 37 | 3,690 |
| | KIT-WC05K3E5 | 5.00 / 5.10 | 5.00 / 3.03 | 5.00 / 3.05 | A+++ / A++ | WH-SDC0309K3E5 | | WH-UDZ05KE5 | 795 x 875 x 320 | 55 | 3,810 |
| | KIT-WC07K3E5 | 7.00 / 4.86 | 7.00 / 2.92 | 6.70 / 3.03 | A+++ / A++ | WH-SDC0309K3E5 | | WH-UDZ07KE5 | 795 x 875 x 320 | 55 | 3,914 |
| | KIT-WC09K3E5 | 9.00 / 4.55 | 8.90 / 2.93 | 8.20 / 2.72 | A+++ / A++ | WH-SDC0309K3E5 | | WH-UDZ09KE5 | 795 x 875 x 320 | 55 | 4,153 |

**Piping information**

| Kit | kW | 3.0 | 5.0 | 7.0 | 9.0 |
|-----|----|-----|-----|-----|-----|
| Piping diameter (liquid - gas) | Inch | 1/4 - 1/2 | 1/4 - 5/8 | 1/4 - 5/8 | 1/4 - 5/8 |
| Pipe length range | m | 3 ~ 25 | 3 ~ 40 / 3 ~ 50 [1] | 3 ~ 40 / 3 ~ 50 [1] | 3 ~ 40 / 3 ~ 50 [1] |
| Elevation difference (in / out) | m | 20 | 30 | 30 | 30 |
| Pre-charged pipe length | m | 10 | 10 | 10 | 10 |
| Additional gas amount | g/m | 20 | 25 | 25 | 25 |

**Electrical information (power supply to indoor)**

| Kit | | Single phase | | | |
|-----|--|--------------|--|--|--|
| Kit | kW | 3.0 | 5.0 | 7.0 | 9.0 |
| Electric backup heater | kW | 3.00 | 3.00 | 3.00 | 3.00 |
| Recommended fuse | A | 16 / 16 | 16 / 16 | 25 / 16 | 25 / 16 |
| Recommended minimum cable size, supply 1 / 2 [2] | mm² | 3 x 1.5 / 3 x 1.5 | 3 x 1.5 / 3 x 1.5 | 3 x 2.5 / 3 x 1.5 | 3 x 2.5 / 3 x 1.5 |

1) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 2) Check local regulations.* EER and COP calculation is based in accordance to EN14511. ** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

# Aquarea High Performance

## Aquarea High Performance Monobloc J Generation Single phase. Heating and Cooling – MDC · R32

Wi-Fi adapter included.
Operation range down to -20 °C in heating.

| Outdoor unit | | Heating capacity / COP | | Cooling capacity / EER | Energy class | Dimension | Weight | RRP |
|---|---|---|---|---|---|---|---|---|
| | | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | Heat / Cool (W 35 °C / W 55 °C) | H x W x D | | |
| | | kW / COP | kW / COP | kW / EER | A+++ to D | mm | kg | £ |
| 1ph | KIT-MDC05J3E5 | 5.00 / 5.08 | 5.00 / 3.01 | 5.00 / 5.05 | A+++ / A++ | 865 x 1283 x 320 | 99 | 3,023 |
| | KIT-MDC07J3E5 | 7.00 / 4.76 | 7.00 / 2.82 | 7.00 / 4.73 | A+++ / A++ | 865 x 1283 x 320 | 104 | 3,542 |
| | KIT-MDC09J3E5 | 9.00 / 4.48 | 8.95 / 2.78 | 9.00 / 4.25 | A+++ / A++ | 865 x 1283 x 320 | 104 | 3,891 |

| Piping information | | | | |
|---|---|---|---|---|
| Outdoor unit | kW | 5.0 | 7.0 | 9.0 |
| Water pipe connector | Inch | R 1¼ | R 1¼ | R 1¼ |

| Electrical information (power supply to indoor) | | | | |
|---|---|---|---|---|
| | | Single phase | | |
| Outdoor unit | kW | 5.0 | 7.0 | 9.0 |
| Electric backup heater | kW | 3.00 | 3.00 | 3.00 |
| Recommended fuse | A | 30 / 15 | 30 / 15 | 30 / 16 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3 x 1.5 / 3 x 1.5 | 3 x 2.5 / 3 x 1.5 | 3 x 2.5 / 3 x 1.5 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511.

## Aquarea High Performance Mono-bloc H Generation Single phase. Heating and Cooling – MDC · R410A

Optional Wi-Fi adapter (CZ-TAW1B).
Operation range down to -20 °C in heating.
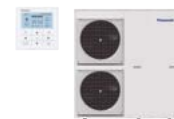
| Outdoor unit | | Heating capacity / COP | | Cooling capacity / EER | SCOP | Energy class (heating) | Dimension | Weight | RRP |
|---|---|---|---|---|---|---|---|---|---|
| | | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | W 35 °C / W 55 °C | W 35 °C / W 55 °C | H x W x D | | |
| | | kW / COP | kW / COP | kW / EER | | A+++ to D | mm | kg | £ |
| 1ph | WH-MDC12H6E5 | 12.00 / 4.74 | 12.00 / 2.93 | 9.39 / 4.65 | 4.82 / 3.42 | A+++ / A++ | 1410 x 1283 x 320 | 140 | 4,781 |
| | WH-MDC16H6E5 | 16.00 / 4.28 | 14.50 / 2.72 | 11.40 / 4.10 | 4.82 / 3.33 | A+++ / A++ | 1410 x 1283 x 320 | 140 | 5,568 |

| Piping information | | | |
|---|---|---|---|
| Outdoor unit | kW | 12.0 | 16.0 |
| Water pipe connector | Inch | R 1¼ | R 1¼ |

| Electrical information (power supply to indoor) | | | |
|---|---|---|---|
| | | Single phase | |
| Outdoor unit | kW | 12.0 | 16.0 |
| Electric backup heater | kW | 6,00 | 6,00 |
| Recommended fuse | A | 30 / 30 | 30 / 30 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3 x 4.0 or 6.0 / 3 x 4.0 | 3 x 4.0 or 6.0 / 3 x 4.0 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511.

# Aquarea T-CAP

## NEW Aquarea T-CAP Refrigerant Split All in One K Generation Single phase. Heating and Cooling · R32

Wi-Fi adapter included.
Indoor unit (H x W x D): 1642 x 599 x 602 mm.
Operation range down to -28 °C in heating.

New 2023

| Kit | | Heating capacity / COP | | Cooling capacity / EER | Energy class Heat / Cool | | Indoor unit | Weight | Outdoor unit | Dimension | Weight | RRP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 7 °C | W 35 °C / W 55 °C | DHW | | | | H x W x D | | |
| | | kW / COP | kW / COP | kW / EER | A+++ to D | A+ to F | | kg | | mm | kg | £ |
| 1ph | KIT-AXC09KE5UK | 9.00 / 5.03 | 9.00 / 3.07 | 8.80 / 3.11 | A+++ / A++ | A | WH-ADC0912K6E5UK | 101 | WH-UXZ09KE5 | 1340 x 900 x 320 | 88 | 8,442 |
| | KIT-AXC12KE5UK | 12.10 / 4.84 | 12.10 / 3.04 | 10.70 / 2.68 | A+++ / A++ | A | WH-ADC0912K6E5UK | 101 | WH-UXZ12KE5 | 1340 x 900 x 320 | 88 | 9,455 |

| Piping information | | | |
|---|---|---|---|
| Kit | kW | 9.0 | 12.0 |
| Piping diameter (liquid - gas) | Inch | 1/4 - 1/2 | 1/4 - 1/2 |
| Pipe length range | m | 3 ~ 30 | 3 ~ 30 |
| Elevation difference (in / out) | m | 20 | 20 |
| Pre-charged pipe length | m | 10 | 10 |
| Additional gas amount | g/m | 30 | 30 |

| Electrical information (power supply to indoor) | | | |
|---|---|---|---|
| | | Single phase | |
| Kit | kW | 9.0 | 12.0 |
| Electric backup heater | kW | 6.00 | 6.00 |
| Recommended fuse | A | 30 / 30 | 30 / 30 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3 x 4.0 / 3 x 4.0 | 3 x 4.0 / 3 x 4.0 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511. ** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility. *** Available Autumn 23. **** Tentative data.

# Aquarea T-CAP.

For retrofit and new builds, Aquarea T-CAP is the ideal solution for those installations where the output capacity is demanding. The entire Aquarea T-CAP line-up is excellent for replacing gas or oil boilers and for connecting to new underfloor heating, radiators or fan coil units. Aquarea T-CAP can maintain the heat pump output capacity until -20 °C[1] outdoor temperature without the help of an electrical booster heater, offering high heating capacity even at low ambient temperatures.

1) At 35 °C flow temperature.



## Aquarea T-CAP Mono-bloc J Generation R32.

**R32 Refrigerant: A 'small' change that changes everything.**
With Mono-bloc, the refrigerant circuit is sealed inside the outdoor unit, so there is no need to worry about the amount of refrigerant per room.

**65 °C[1] water temperature possible.**
By optimising the system and the refrigerant cycle, the unit can work under higher pressure and realise a water temperature of 65°C.

1) In case of ΔT setting with remote controller is 15 °C and outdoor ambient temperature is 5 to 20 °C, 65 °C hot water temperature is possible. Even with the T-CAP series, capacity will drop when water temperature reaches 65 °C.



### How Aquarea T-CAP maintains performance even at -20 °C outdoors

A patent has been obtained for technology that can maintain heating capacity even in low outdoor temperatures through optimal control that comes from incorporating dual-piped heat exchanger into the refrigeration cycle.
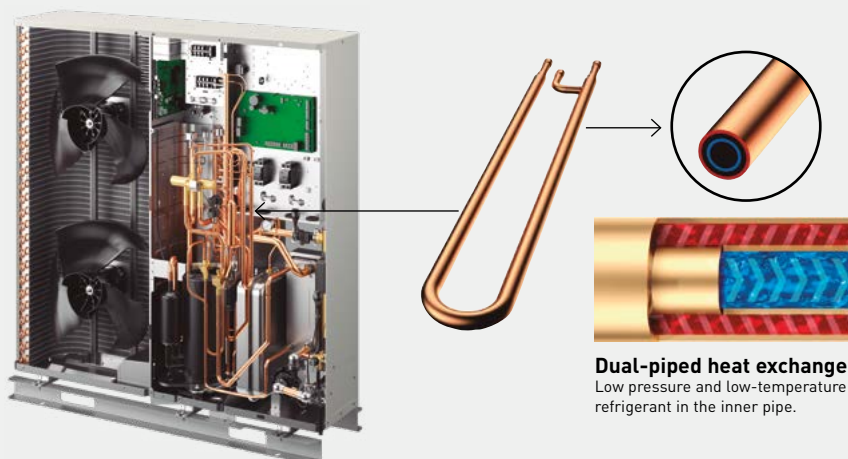


**Dual-piped heat exchanger.**
Low pressure and low-temperature refrigerant in the inner pipe.

# Aquarea T-CAP

**NEW Aquarea T-CAP Refrigerant Split Bi-bloc K Generation
Single phase / Three phase. Heating and Cooling · R32**

Wi-Fi adapter included.
Indoor unit (H x W x D): 892 x 500 x 348 mm.
Operation range down to -28 °C in heating.

New 2023

**Tentative data**

| Kit | | | | | Indoor unit | | Outdoor unit | | | RRP |
|---|---|---|---|---|---|---|---|---|---|---|
| | Heating capacity / COP | | Cooling capacity / EER | Energy class | | Weight | | Dimension | Weight | |
| | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 7 °C | Heat / Cool (W 35 °C / W 55 °C) | | | | H x W x D | | |
| | kW / COP | kW / COP | kW / EER | A+++ to D | | kg | | mm | kg | £ |
| **Kit 3 kW electric heater** | | | | | | | | | | |
| 1ph  KIT-WXC09K3E5 | 9.00 / 5.03 | 9.00 / 3.07 | 8.80 / 3.11 | A+++ / A++ | WH-SXC09K3E5 | — | WH-UXZ09KE5 | 1340 x 900 x 320 | 88 | 5,185 |
| 3ph  KIT-WXC09K3E8 | 9.00 / 5.03 | — | 8.80 / 3.11 | A+++ / A++ | WH-SXC09K3E8 | — | WH-UXZ09KE8 | 1340 x 900 x 320 | 88 | 6,667 |
| **Kit 6 kW electric heater** | | | | | | | | | | |
| 1ph  KIT-WXC12K6E5 | 12.10 / 4.84 | 12.10 / 3.04 | 10.70 / 2.68 | A+++ / A++ | WH-SXC12K6E5 | — | WH-UXZ12HE5 | 1340 x 900 x 320 | 88 | 6,450 |
| **Kit 9 kW electric heater** | | | | | | | | | | |
| 3ph  KIT-WXC12K9E8 | 12.10 / 4.84 | 12.10 / 3.04 | 10.70 / 2.68 | A+++ / A++ | WH-SXC12K9E8 | — | WH-UXZ12HE8 | 1340 x 900 x 320 | 88 | 7,219 |

**Piping information**

| Kit | kW | 9.0 | 12.0 |
|---|---|---|---|
| Piping diameter (liquid - gas) | Inch | 1/4 - 1/2 | 1/4 - 1/2 |
| Pipe length range | m | 3 ~ 30 | 3 ~ 30 |
| Elevation difference (in / out) | m | 20 | 20 |
| Pre-charged pipe length | m | 10 | 10 |
| Additional gas amount | g/m | 30 | 30 |

**Electrical information (power supply to indoor)**

| | | Single phase (3 kW) | Single phase (6 kW) | Three phase (3 kW) | Three phase (9 kW) |
|---|---|---|---|---|---|
| Kit | kW | 9.0 | 12.0 | 9.0 | 12.0 |
| Electric backup heater | kW | 3.00 | 6.00 | 3.00 | 9.00 |
| Recommended fuse | A | — | — | — | — |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | — | — | — | — |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511. ** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility. *** Tentative data.

## Aquarea T-CAP Refrigerant Split Bi-bloc H Generation Single phase / Three phase. Heating and Cooling - SXC · R410A

Wi-Fi adapter included.
Indoor unit (H x W x D): 892 x 500 x 340 mm.
Operation range down to -28 °C in heating.

| Kit | | | | | Indoor unit | | Outdoor unit | | | RRP |
|---|---|---|---|---|---|---|---|---|---|---|
| | Heating capacity / COP | | Cooling capacity / EER | Energy class | | Weight | | Dimension | Weight | |
| | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | Heat / Cool (W 35 °C / W 55 °C) | | | | H x W x D | | |
| | kW / COP | kW / COP | kW / EER | A+++ to D | | kg | | mm | kg | £ |
| 1ph  KIT-WXC09H3E5 | 9.00 / 4.84 | 9.00 / 2.94 | 7.00 / 5.19 | A+++ / A++ | WH-SXC09H3E5 | 43 | WH-UX09HE5 | 1340 x 900 x 320 | 101 | 4,593 |
| 1ph  KIT-WXC12H6E5 | 12.00 / 4.74 | 12.00 / 2.88 | 10.00 / 5.13 | A++ / A++ | WH-SXC12H6E5 | 43 | WH-UX12HE5 | 1340 x 900 x 320 | 101 | 5,753 |
| 3ph  KIT-WXC16H9E8 | 16.00 / 4.28 | 16.00 / 2.71 | 12.20 / 3.49 | A++ / A++ | WH-SXC16H9E8 | 45 | WH-UX16HE8 | 1340 x 900 x 320 | 118 | 7,627 |

**Piping information**

| Kit | kW | 9.0 | 12.0 | 16.0 |
|---|---|---|---|---|
| Piping diameter (liquid - gas) | Inch | 3/8 - 5/8 | 3/8 - 5/8 | 3/8 - 5/8 |
| Pipe length range | m | 3 ~ 30 | 3 ~ 30 | 3 ~ 30 |
| Elevation difference (in / out) | m | 20 | 20 | 20 |
| Pre-charged pipe length | m | 10 | 10 | 10 |
| Additional gas amount | g/m | 50 | 50 | 50 |

**Electrical information (power supply to indoor)**

| | | Single phase | | Three phase |
|---|---|---|---|---|
| Kit | kW | 9.0 | 12.0 | 16.0 |
| Electric backup heater | kW | 3.00 | 6.00 | 9.00 |
| Recommended fuse | A | 30 / 30 | 30 / 30 | 16 / 16 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3 x 4.0 or 6.0 / 3 x 4.0 | 3 x 4.0 or 6.0 / 3 x 4.0 | 5 x 1.5 / 5 x 1.5 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511.

# Aquarea T-CAP

**Aquarea T-CAP Monobloc J Generation Single phase / Three phase. Heating and Cooling - MXC · R32**

Wi-Fi adapter included.
Operation range down to -20 °C in heating.
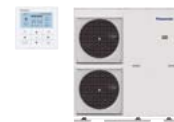
| Outdoor unit | | Heating capacity / COP | | Cooling capacity / EER | Energy class | Dimension | Weight | RRP |
|---|---|---|---|---|---|---|---|---|
| | | A +7 °C, W 35 °C | A +7 °C, W 55 °C | A 35 °C, W 18 °C | **Heat / Cool (W 35 °C / W 55 °C)** | H x W x D | | |
| | | kW / COP | kW / COP | kW / EER | **A+++ to D** | mm | kg | £ |
| 1ph | KIT-MXC09J3E5 | 9.00 / 5.08 | 9.00 / 3.08 | 9.00 / 4.62 | **A+++ / A++** | 1410 x 1283 x 320 | 140 | **4,837** |
| | KIT-MXC12J6E5 | 12.00 / 4.80 | 12.00 / 3.05 | 12.00 / 3.95 | **A+++ / A++** | 1410 x 1283 x 320 | 140 | **6,005** |
| 3ph | KIT-MXC16J9E8 | 16.00 / 4.52 | 16.00 / 2.86 | 16.00 / 3.75 | **A+++ / A++** | 1410 x 1283 x 320 | 150 | **7,707** |

| Piping information | | | | | |
|---|---|---|---|---|---|
| Outdoor unit | kW | 9.0 | 12.0 | 16.0 | |
| Water pipe connector | Inch | R 1¼ | R 1¼ | R 1¼ | |

| Electrical information (power supply to indoor) | | | Single phase | | Three phase |
|---|---|---|---|---|---|
| Outdoor unit | kW | 9.0 | 12.0 | | 16.0 |
| Electric backup heater | kW | 3.00 | 6.00 | | 9.00 |
| Recommended fuse | A | 30 / 30 | 30 / 30 | | 20 / 20 |
| Recommended minimum cable size, supply 1 / 2 [1] | mm² | 3 x 4.0 or 6.0 / 3 x 4.0 | 3 x 4.0 or 6.0 / 3 x 4.0 | | 5 x 1.5 / 5 x 1.5 |

1) Check local regulations.* EER and COP calculation is based in accordance to EN14511.

## Aquarea Designer - online tool.

With Panasonic's online tool, projects can be developed simply and easily. The newly developed tool is optimised to help professionals easily identify the most appropriate Aquarea air to water heat pump for a particular application.

### Hydraulic scheme generator.

This tool allows costumers to select the scheme between more than 110 different type according to their installation requirements in a simple way. It possible to download hydraulic and electric part in pdf and in cad file. Moreover it is available a list, one for each scheme type, with the Panasonic codes and third party codes that the costumers need to realise the installation in a proper way.

## AR Heat Pump Viewer.

This tool allows you to see how a Panasonic Aquarea Heat Pump looks in a home, utilising augmented reality.

### Heating demand calculator.

This software can quickly and easily determine the heating requirements for the rooms in a project. The Heating demand calculator will help determine approximately how much power is needed to heat each room individually. The result in kilowatts will help you choose the heat pump best suited to your needs.

# Fan coils

## Smart fan coils

Extremely compact (only 129 mm deep).
Touch screen thermostat.
3-way valve included.

| Fan coils | | Total capacity | | Air flow | Dimension | Weight | RRP |
|---|---|---|---|---|---|---|---|
| | | Cooling | Heating | | | | |
| | | Med | Med | Max | H x W x D | | |
| | | kW | kW | m³/min | mm | kg | £ |
| 1ph | PAW-AAIR-200-2 | 0.5 | 0.4 | 2.7 | 735 x 579 x 129 | 17 | 720 |
| | PAW-AAIR-700-2 | 0.9 | 0.8 | 5.3 | 935 x 579 x 129 | 20 | 779 |
| | PAW-AAIR-900-2 | 1.6 | 1.2 | 7.7 | 1135 x 579 x 129 | 23 | 933 |
| | NEW PAW-AAIR-1100-2 | 1.8 | 1.4 | 9.6 | 1335 x 579 x 129 | 26 | TBC |

**\* Smart fan coils is produced by Innova.**

## Fan coils - ducted

2 and 4-pipe, left and right hand configurations.
5-speed AC fan motor(s).
2 way or 3 way ON / OFF valves.

| Fan coils | | | | Total capacity | | Air flow | External pressure | Dimension | Weight | RRP |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cooling [1] | Heating [2] | | | | | |
| | | | | Med | Med | Max | Max | H x W x D | | |
| | | Left connection | Right connection | kW | kW | m³/min | Pa | mm | kg | £ |
| 1ph | 2-pipe | PAW-FC2A-D040L | PAW-FC2A-D040R | 2.4 | 2.9 | 499 | 85 | 220 x 938 x 430 | 20 | 380 |
| | | PAW-FC2A-D060L | PAW-FC2A-D060R | 4.6 | 5.3 | 933 | 115 | 220 x 1307 x 430 | 26 | 459 |
| | 4-pipe | PAW-FC4A-D040L | PAW-FC4A-D040R | 2.3 | 1.6 | 467 | 85 | 220 x 938 x 430 | 22 | 408 |
| | | PAW-FC4A-D060L | PAW-FC4A-D060R | 4.4 | 2.9 | 885 | 115 | 220 x 1307 x 430 | 28 | 496 |

| **Water connections information** | | | | |
|---|---|---|---|---|
| **Fan coils** | | **040** | | **060** |
| Type | | Female gas threaded | | Female gas threaded |
| Water connections | Inch | 1/2 | | 1/2 |

1) According to Eurovent standard. Air: 27 °C DB / 19 °C WB. Water in / out: 7 °C / 12 °C. 2) Air: 20 °C. Water in / out: 50 °C / 45 °C.
Values indicated are for 0 Pa external static pressure, for additional pressure characteristics, please refer the selection software.

## Fan coils - 4 way cassette

2-pipe configurations.
3-speed AC fan motor.
Cleanable synthetic-type air filter.

| Fan coils | | | | Total capacity | | Air flow | Dimension including panel | Weight | RRP | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Cooling [1] | Heating [2] | | | | Fan coil | Panel |
| | | | | Med | Med | Max | H x W x D | | | |
| | | | Panel | kW | kW | m³/min | mm | kg | € | € |
| 1ph | 2-pipe | PAW-FC2A-U050-2 | PAW-FC-KPU5070 | 4.4 | 6.0 | 979 | 339 x 960 x 960 | 37,1 | 1,284 | 237 |
| | | PAW-FC2A-U060-2 | PAW-FC-KPU5070 | 5.4 | 7.4 | 1159 | 339 x 960 x 960 | 37,1 | 1,315 | 237 |
| | | PAW-FC2A-U070-2 | PAW-FC-KPU5070 | 6.5 | 9.2 | 1447 | 339 x 960 x 960 | 39,6 | 1,368 | 237 |

| **Water connections information** | | | | |
|---|---|---|---|---|
| **Fan coils** | | **050** | **060** | **070** |
| Type | | Female gas threaded | Female gas threaded | Female gas threaded |
| Water connections 2-pipe | Inch | 1 | 1 | 1 |
| Water connections 4-pipe (cool - heat) | Inch | — – — | 1 - 3/4 | 1 - 3/4 |

1) According to Eurovent standard. Air: 27 °C DB / 19 °C WB. Water in / out: 7 °C / 12 °C. 2) According to Eurovent standard. Air: 20 °C. Water in / out: 45 °C / 40 °C.

# DHW tanks and Ventilation

## DUO Pre-plumbed tank



| Tank | | Material | Water volume | Energy efficiency class | Dimension Hight / Diameter | Weight | RRP |
|---|---|---|---|---|---|---|---|
| | | | L | A+ to F | mm | kg | £ |
| | PAW-TD20B7PP-UK | Stainless steel | 185 | C | 1992 / 550 | 51 | 2,651 |
| 1ph | PAW-TD23B6E5PP-UK | Stainless steel | 225 | A | 1755 / 595 | TBC | 2,899 |
| | PAW-TD30B7PP-UK | Stainless steel | 285 | C | 2030 / 630 | 64 | 3,024 |

1) Tested pursuant to EN 12897:2006. 2) EU Regulation 812/2013.

## Stainless steel tanks



| Tank | | Material | Water volume | Coil Size | Energy efficiency class | Dimension Hight / Diameter | Weight | RRP |
|---|---|---|---|---|---|---|---|---|
| | | | L | m² | A+ to F | mm | kg | £ |
| | KIT-G3TD20C1E5-1 | Stainless steel | 192 | 1.80 | A | 1270/595 | 50 | 1,160 |
| 1ph | KIT-G3TD30C1E5-1 | Stainless steel | 284 | 1.80 | A | 1750/595 | 61 | 1,459 |
| | NEW KIT-G3TD30C1E5HI-1 | Stainless steel | 280 | 2.35 | A | 1750/595 | 65 | 1,592 |

* Stainless steel tanks are produced by OSO.

## Buffer tanks



| Tank | Material | Water volume | Energy efficiency class | Dimension Hight / Diameter | Weight | RRP |
|---|---|---|---|---|---|---|
| | | L | A+ to F | mm | kg | £ |
| PAW-BTANK50L-2 | Stainless Steel | 48 | B | 636 / 430 | 17 | 365 |
| PAW-BTANK100L | Stainless Steel | 100 | C | 1175 / 430 | 28 | 470 |
| PAW-BTANKG200L | Stainless Steel | 199 | B | 1275 / 595 | 47 | 592 |
| PAW-BTANKG260L | Stainless Steel | 289 | B | 1755 / 595 | 57 | 706 |

* Automatic air vent and drain cock are included. Built-in pocket sensor (sensor not included). ** Buffer tank are produced by OSO.

## Heat recovery ventilation unit

Designed for areas up to approximately 140 m².
High energy-efficiency rotary heat exchanger with EC - technology fans.



| Heat recovery ventilation unit | | Air flow Nominal | Maximum | Energy class Basic unit | With local control on demand | Dimension H x W x D | Weight | RRP |
|---|---|---|---|---|---|---|---|---|
| Left connection | Right connection | m³/min | m³/min | | | mm | kg | £ |
| 1ph PAW-A2W-VENTA-L | PAW-A2W-VENTA-R | 204 @ 50 Pa | 292 @ 100 Pa | A | A | 450 x 598 x 500 | 46 | 2,024 |

* Heat recovery ventilation unit is produced by Systemair.

## NEW Counter flow ventilation



| Counter flow ventilation | | Mounting position | Air flow Nominal | Maximum | Energy class | Dimension H x W x D | Weight | RRP |
|---|---|---|---|---|---|---|---|---|
| | | | m³/l | m³/l | | mm | kg | £ |
| | PAW-VENTX10Z | Horizontal / Vertical | 91 | 130 | A | 255 x 580 x 580 | 19 | 837 |
| | PAW-VENTX15Z | Horizontal / Vertical | 147 | 210 | A | 255 x 580 x 580 | 19 | 963 |
| | PAW-VENTX20H | Horizontal | 109 | 155 | A | 260 x 480 x 800 | 25 | 1,197 |
| 1ph | PAW-VENTX20V | Vertical | 112 | 170 | A | 510 x 430 x 625 | 32 | 1,197 |
| | PAW-VENTX30H | Horizontal | 210 | 300 | A | 295 x 600 x 795 | 30 | 1,326 |
| | PAW-VENTX30V | Vertical | 210 | 300 | A | 590 x 575 x 785 | 38 | 1,366 |
| | PAW-VENTX40H | Horizontal | 238 | 340 | A | 290 x 650 x 1 150 | 38 | 1,539 |
| | PAW-VENTX40V | Vertical | 266 | 380 | A | 590 x 735 x 785 | 42 | 1,495 |

* Produced by Sinergia.

| Dual controller system | | | RRP £ |
|---|---|---|---|
| | **NEW** additional remote controller for K and L Generations | CZ-RTW1 | TBC |

| All in One accessories | | | RRP £ |
|---|---|---|---|
| | Flexible pipings and wall mounting plate for All in One J Generation (not compatible with ). | PAW-ADC-PREKIT-1 | 471 |

| Special outdoor supports | | | RRP £ |
|---|---|---|---|
| | Tray for condenser water compatible with outdoor elevation platform. | PAW-WTRAY | 145 |
| | Outdoor elevation platform. Dimension (H x W x D): 400 x 900 x 400 mm | PAW-GRDSTD40 | 145 |
| | Outdoor base ground support for noise and vibration absorption. Dimension (H x W x D): 600 x 95 x 130 mm Safe working load: 500 kg | PAW-GRDBSE20 | 133 |

| PCB's for additional functions | | | RRP £ |
|---|---|---|---|
| | PCB for advanced functions in J and H Generations. | CZ-NS4P | 160 |
| | PCB for advanced functions in K and L Generations. | CZ-NS5P | TBC |

| Deice accessories | | | RRP £ |
|---|---|---|---|
| | Base pan heater for all old Bi-bloc and Monobloc (not for the 3 and 5 kW). | CZ-NE1P | TBC |
| | Base pan heater for Bi-bloc 3 and 5 kW (except L Generation) and 7 and 9 kW K Generation. | CZ-NE2P | 146 |
| | Base pan heater for J and H Generations. | CZ-NE3P | 146 |
| | Base pan heater for 5, 7 and 9 kW L Generation. | CZ-NE4P | TBC |

| Hydraulic accessories | | | RRP £ |
|---|---|---|---|
| | 3 way valve kit for inside of hydrokit for J and H Generations. | CZ-NV1 | 274 |
| | 3 way valve kit for inside of hydrokit for K and L Generations. | CZ-NV2 | TBC |
| | 3 way valve for DHW Tanks. | PAW-3WYVLV-HW | 162 |
| | 1 anti-freeze valve. 2 valves are required per heat pump. | PAW-A2W-AFVLV | 106 |
| | Optional magnet for the water filter in H Generation models. | PAW-A2W-MGTFILTER | 37 |

| Accessories interfaces | | | RRP £ |
|---|---|---|---|
| | Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN. | CZ-TAW1B | 178 |
| | 10 m extension cable for CZ-TAW1B. | CZ-TAW1-CBL | 48 |
| | External meter gateway for K and L Generations. | PAW-A2W-EXTMETER | TBC |
| | KNX interface for H Generation onwards (Intesis). | PAW -AW-KNX-H | 240 |
| | Modbus interface for H Generation onwards (Intesis). | PAW-AW-MBS-H | 240 |
| | KNX interface for H Generation onwards (Airzone). | PAW-AZAW-KNX-1 | 204 |
| | Modbus interface for H Generation onwards (Airzone). | PAW-AZAW-MBS-1 | 210 |

| Cascade manager | | | RRP £ |
|---|---|---|---|
| | Cascade manager for Aquarea Heat Pumps. | PAW-A2W-CMH-2 | 1,205 |

| Room thermostats | | | RRP £ |
|---|---|---|---|
| | Wired LCD room thermostat with weekly timer. | PAW-A2W-RTWIRED | 100 |
| | Wireless LCD room thermostat with weekly timer. | PAW-A2W-RTWIRELESS | 165 |

| Sensors for Aquarea H Generation onwards | | | RRP £ |
|---|---|---|---|
| | Outdoor ambient sensor. | PAW-A2W-TSOD | 42 |
| | Zone room sensor. | PAW-A2W-TSRT | 42 |
| | Zone water sensor. | PAW-A2W-TSHC | 42 |
| | Solar sensor. | PAW-A2W-TSSO | 42 |
| | Buffer tank sensor. Zone water sensor PAW-A2W-TSHC is also required to operate buffer tank sensor. | PAW-A2W-TSBU | 42 |

| Smart fan coil accessories | | | RRP £ |
|---|---|---|---|
| | Kits of 2 legs to protect the water pipings. | PAW-AAIR-LEGS-1 | 56 |
| | Motor connection cable for units with hydraulic connections on the right. | PAW-AAIR-RHCABLE | 27 |

| Fan coil accessories | | | RRP £ |
|---|---|---|---|
| | Advanced wired remote controller for fan coil. | PAW-FC-RC1 | 95 |
| | 2 way valve + drain pan for ducted models 010-060. | PAW-FC-2WY-11/55-1 | 67 |
| | 2 way valve + drain pan for ducted models 070-080. | PAW-FC-2WY-65/90-1 | 76 |
| | 2 way valve + drain pan for ducted model F040. | PAW-FC-2WY-F040 | 90 |
| | 3 way valve + drain pan for ducted models 010-060. | PAW-FC-3WY-11/55-1 | 98 |
| | 3 way valve + drain pan for ducted models 070-080. | PAW-FC-3WY-65/90-1 | 110 |
| | 3 way valve + drain pan for ducted model F040. | PAW-FC-3WY-F040 | 145 |
| | 2 way valve for wall-mounted. | PAW-FC2-2WY-K007 | 79 |
| | 3 way valve for wall-mounted. | PAW-FC2-3WY-K007 | 126 |

| Sanitary tank accessories | | | RRP £ |
|---|---|---|---|
| | Tank sensor with 6 m cable length. | PAW-TS1 | 36 |
| | Tank sensor with 20 m cable length. | PAW-TS2 | 42 |
| | Tank sensor with 6 m cable length and only 6 mm diameter. | PAW-TS4 | 42 |
| | Temperature sensor kit for third party tank (with copper pocket and 6 m length sensor cable). | CZ-TK1 | 72 |

| Outdoor unit noise reduction kit | | | RRP £ |
|---|---|---|---|
| | Noise reduction kit for outdoor units (-3 dB(A)). | CZ-UG30 | 170 |

## Heat recovery ventilation accessories

| | | | RRP £ |
|---|---|---|---|
| | Supply and extract filters kit. | PAW-VEN-FLTKIT | 55 |
| | Optional PCB for additional functions. | PAW-VEN-ACCPCB | 46 |
| | HRV touch control panel. White frame (cable must be ordered separately). | PAW-VEN-DPL | 144 |
| | Cable with plug for electrical connection between unit and control panel, type CE and CD (12 m). | PAW-VEN-CBLEXT12 | 28 |
| | Twin plugs for installation of several control panels type CD or CE for one unit. | PAW-VEN-DIVPLG | 15 |
| | HRV touch control panel wall-mounted kit. | PAW-VEN-DPLBOX | 81 |
| | CO$_2$ RH wall-mounted sensor. | PAW-VEN-S-CO2RH-W | 282 |
| | CO$_2$ wall-mounted sensor. | PAW-VEN-S-CO2-W | 328 |
| | CO$_2$ duct sensor. | PAW-VEN-S-CO2-D | 243 |
| | Wall bracket kit for stand-alone installation on the wall. | PAW-VEN-WBRK | 30 |
| | Electrical duct heater 0.6 kW (includes relay). | PAW-VEN-HTR06 | 306 |
| | Electrical duct heater 1.2 kW (includes relay). | PAW-VEN-HTR12 | 347 |

## NEW counter flow ventilation accessories

| | | | RRP £ |
|---|---|---|---|
| | Digital remote control (black). Integrated air quality, temperature and humidity sensors | PAW-VEN-CTRLB | 101 |

| | | | |
|---|---|---|---|
| | Digital remote control (white). Integrated air quality, temperature and humidity sensors | PAW-VEN-CTRLW | 101 |
| | Electrical duct heater 0.5 kW, DN160 mm | PAW-VEN-HTR05 | 346 |
| | Electrical duct heater 1.0 kW, DN160 mm | PAW-VEN-HTR10 | 409 |
| | Spare F7 filter kit (2 pcs) for models 10Z, 15Z, 20H and 20V | PAW-VEN-FLT1 | 32 |
| | Spare F7 filter kit (2 pcs) for models 30H and 30V | PAW-VEN-FLT2 | 36 |
| | Spare F7 filter kit (2 pcs) for models 40H | PAW-VEN-FLT3 | 46 |
| | Spare F7 filter kit (2 pcs) for models 40V | PAW-VEN-FLT4 | 49 |
| | Activated carbon filter (1 pc) for models 10Z, 15Z, 20H and 20V | PAW-VEN-ACFLT1 | 19 |
| | Activated carbon filter (1 pc) for models 30H and 30V | PAW-VEN-ACFLT2 | 25 |
| | Activated carbon filter (1 pc) for models 40H | PAW-VEN-ACFLT3 | 28 |
| | Activated carbon filter (1 pc) for models 40V | PAW-VEN-ACFLT4 | 37 |

# Smart meet Wiser

Introducing Wiser, the most comprehensive multi-zone heating system from Drayton.
Panasonic has partnered with Drayton by Schneider Electric to offer its Wiser room-by-room heating control system. Seamlessly integrating with your Panasonic Aquarea Air Source Heat Pumps and the Aquarea Smart Cloud and Service Cloud apps, the Wiser system provides an additional element of energy control and simple home automation.

## What makes Wiser wiser?

**Simplicity.**
Standard wallplate, wireless devices.

**Flexibility.**
Up to 3 channels, 16 rooms, 63 devices.

**Multi-zoning.**
Add radiator thermostats, underfloor heating controller or electrical heat switch as required.
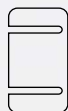
**App control.**
Simple app with boost and away mode.

**Eco mode.**
Combines weather compensation and optimum stop for maximum savings.

**Comfort mode.**
Uses optimum start for maximum comfort.

**Heat report and insights.**
View and compare temperatures across single or multiple rooms.

**Geofencing.**
Enhanced control with geofencing through IFTTT.
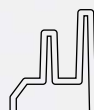
**OpenTherm®.**
Digital boiler interface enabling more efficient control.

This new partnership offers you the option the combine your new Panasonic's Aquarea air source heat pumps with Wiser smart controls to provide you with room-by-room heating control by fitting Wiser with your Aquarea system. The combination of smart controls will help make your home as energy efficient as possible by bringing different electrical devices under the control of one app, helping you to lower their bills and reduce your carbon footprint. Wiser can be set up in the usual way with the Panasonic Aquarea heat pump,and will enable you to monitor and easily adjust the heating in each room and via any web-enabled device, including Android and iOS applications and Internet browsers.

### Benefits of Wiser

Wiser combines smart features with simplicity to bring you the most complete home heating solution.
Wiser makes home personalisation affordable by allowing you to start with a smart room thermostat and build a full multi-zone solution over time by adding radiator thermostats and incorporating electrical and/or underfloor heating.
· Smart heating and hot water control
· Easy zoning with radiator thermostats
· Control wet underfloor heating zones
· Incorporate electrical heating
· Quick and easy installation
· Schedule electrical appliances by adding Wiser Plugs

### The Wiser Home app:

**The app has been designed to make your life simple. Step-by-step commissioning instructions guide you through the whole process in just a few minutes.**
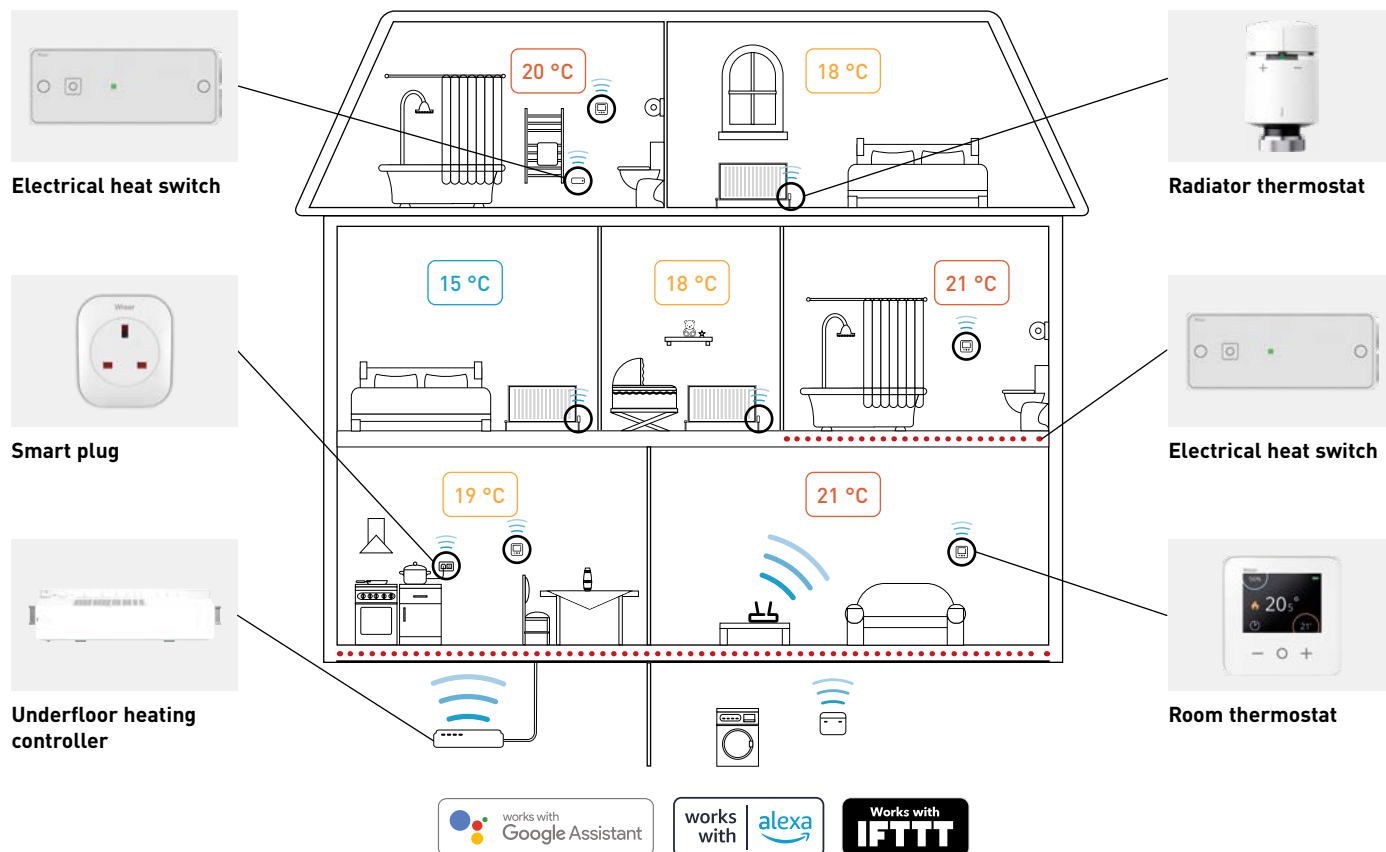The user interface has been designed to be intuitive so your customer will have no problem taking control of their heating. Set up can be done within seconds and programming couldn't be easier. Boost, set point and room selections can all be accessed from the home screen.

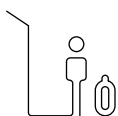### Download in the App Store – search Wiser Home.

GET IT ON Google Play

Download on the App Store

Scan the QR for more information and to purchase your Wiser home kit.

**Electrical heat switch**

**Smart plug**

**Underfloor heating controller**

20 °C
18 °C
15 °C
18 °C
21 °C
19 °C
21 °C

**Radiator thermostat**

**Electrical heat switch**

**Room thermostat**

works with Google Assistant
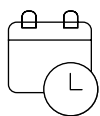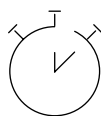
works with alexa

Works with IFTTT

## Features



**Away mode.**
Activate when away from home to reduce all set points and save 24% of energy.

**Schedules.**
Set time and temperature schedules for every device to ensure full multi-zoning efficiency.

**Boost/cancel all.**
Boost all devices in the system or cancel all overrides - enables complete system testing with the tap of a button.
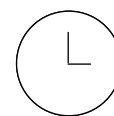
**Eco mode.**
Combines weather compensation & optimum stop for maximum savings.

**Insights and heat report.**
Track the system performance to adapt heating schedules and settings to save energy.

**Moments.**
Group multiple devices to be activated together to create a mood or 'moment'.

**For more information on the Wiser product range and for purchasing please visit:**

**https://Wiser.draytoncontrols.co.uk/**
**To find your closest stockist, please refer to our Distribution Finder by scanning the QR.**



### Wiser accessories*

| | | |
|---|---|---|
| | Wiser thermostat kit 1. One channel thermostat pack ideal for heat pumps. | WT714R9K0902 |
| | Wiser thermostat kit 3. Three channel thermostat pack ideal for properties with two heating zones. | WT734R9K0902 |
| | Wiser multi-zone kit 1. One channel thermostat system with two radiator thermostats to start zoning your system. | WV714R9K0902 |
| | Wiser radiator thermostat. Add additional single radiator thermostats to any of the Wiser kits to create more zones and benefit from maximum comfort and energy saving. | WV704R0A0902 |

*\* Wiser accessories, are compatible with Panasonic units, but are product from Drayton Controls and are not available from Panasonic directly. Locally source, Panasonic is not selling this devices.*

| | | |
|---|---|---|
| | Wiser room thermostat. Additional room thermostat - add to rooms with radiator thermostats as a convenient way to view and change the room temperature. Works with all Wiser kits. | WN704R0S0902 |
| | Wiser plug. Set schedules for home appliances from the Wiser heat app, this smart plug can be controlled from your phone or by using voice activation with the google assistant and amazon alexa. The built in range extender also enables connectivity to devices sited further away from the heat hub. | WB704H1A0902 |
| | Wiser electrical heat switch. Wiser electrical heat switch + Wiser room thermostat will control any of the following applications: plinth heaters, electric radiators, infared panels, electrical UFH. | WE714U1A0902 |
| | Wiser under floor heating controller. The Wiser underfloor heating controller enables complete control over the entire heating system, no matter what the application, via the Wiser home app. | WF762F1A0902 |

# For more information on Aquarea, view our latest videos:
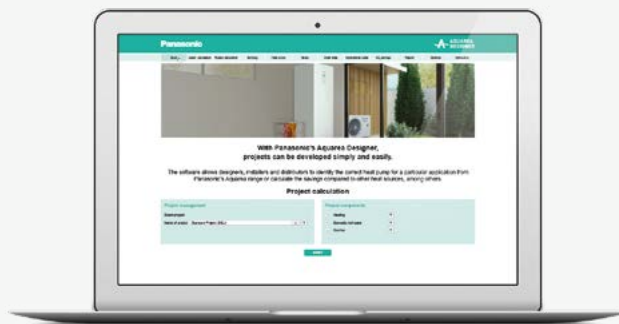


**An introduction to Aquarea:**
https://www.youtube.com/watch?v=Rr2R2zw__RU

**How to check you Aquarea H and J Generations current flow rates:**
https://www.youtube.com/watch?v=LXVK1zgaM5E

**How to check your Aquarea H and J Generations DHW tank temperature and heating flow and return temperatures:**
https://www.youtube.com/watch?v=0fCiyUzlqUw

**How to check your Aquarea H and J Generations efficiency, detailing energy used, energy generated and COP:**
https://www.youtube.com/watch?v=FIVoMYzkCRI

**How to set up the Aquarea H and J Generations heating time clock :**
https://www.youtube.com/watch?v=0_jRklYPaRY

# For more information on the Aquarea Monobloc H and J Generations installation guide:

This guide provides a step by step procedure for the installation of the Aquarea Monobloc unit, covering basic installation to more advanced requirements, along with a guide to the controller set up process, covering the each type of installation.



**Download Aquarea Monobloc H and J Generations installation guide**

# Notes

# Notes

# Panasonic service

Our Panasonic Service teams are committed to ensuring your peace of mind. Best service is our aim.

Panasonic provides a team of highly trained technicians and engineers to deliver professional and responsive services that meet the highest levels of quality and safety while being efficient and cost effective.
To find out more about Panasonic Heating & Cooling Solutions, please visit **www.panasonic.co.uk/aircon**.

**Maintenance.**
To meet the requirements of the standard warranty, the product must be maintained and serviced annually by a suitably trained and qualified engineer. This way we can extend the lifetime of the product.

**Repair.**
Panasonic offers a wide range of service agreements, like Panasonic Service+ for a maximized product lifetime. Leave the care of your Panasonic products to the experts. In the unlikely event that something goes wrong, trust one of our qualified and Panasonic trained experts to get things back on track.

**Warranty.**
In accordance with the regulations, Panasonic guarantees its products against hidden defects. Moreover, Panasonic grants to the professional purchaser a commercial warranty, specific to the product families, subject to compliance of all the rules of installation and use of its products.
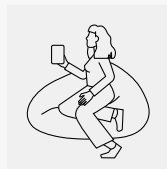
# Panasonic Heating & Cooling Solutions customer service

Panasonic enables different channels for end users or professionals to get in touch with us:

Use our European website **www.panasonic.eu** for contacting us.
Panasonic has implemented a contact page on the Panasonic Heating & Cooling Solutions website for potential or existing Panasonic customers.

Another option is to contact the highly experienced teams at the Panasonic customer service center, who are more than qualified to support Panasonic clients in 13 different languages across Europe.

**Our service center for United Kingdom end customers:**
**0808 208 2115**
**Mo-Fr 9-17h**

www.panasonic.co.uk/aircon

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**heating & cooling solutions**

# **Panasonic**®

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**Technical service team:**
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**UK Office : +44 (0) 1707 378670**

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Garden City, Hertfordshire AL7 3BT
Company Registration: 02371708

⚠ Do not add or replace refrigerant other than the specified type. Manufacturer is not responsible for the
damage and deterioration in safety due to usage of the other refrigerant.
The outdoor units in this catalogue contains fluorinated greenhouse gases with a GWP higher than 150.