Panasonic

AQUAREA

New Aquarea Price List

2020 — 2021

The world of heating and cooling is changing with Panasonic

heating & cooling solutions

A desire to create things of value

"Recognising our responsibilities as industrialists, we will devote ourselves to the progress and development of society and the well-being of people through our business activities, thereby enhancing the quality of life throughout the world."

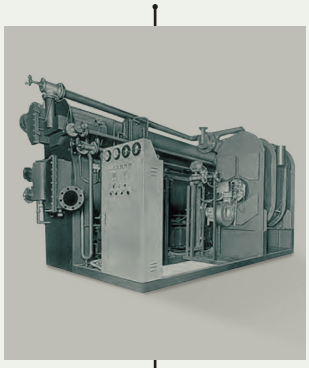
Panasonic Corporation's Basic Management Objective, formulated in 1929 by the company's founder, Konosuke Matsushita.

1958

First room air conditioner launched for domestic installation.

1971

Starts production of absorption chillers.



1973

Panasonic launches the first highly efficient air-to-water heat pump in Japan.

1975

Panasonic becomes the first Japanese air conditioner manufacturer in Europe.

1985

Introduces first GHP (gas heat pump) VRF air conditioner.

1989

Introduces world's first simultaneous 3-Pipe heating/cooling VRF System.

2008

World's first air conditioner equipped with nanoe™

Etherea new concept: high efficiency and high performances with a great design.

2010

New Aquarea. Panasonic introduces Aquarea, an innovative new, low-energy system in Europe.

2012

New Panasonic GHP units. The gas-driven VRF Systems are ideal for projects where power restrictions apply.

2015

CO_2 condensing units in Europe.
The ideal solution for supermarkets, shops and gas stations.

2016

New VRF Systems ECOi EX with extraordinary energy saving performance.

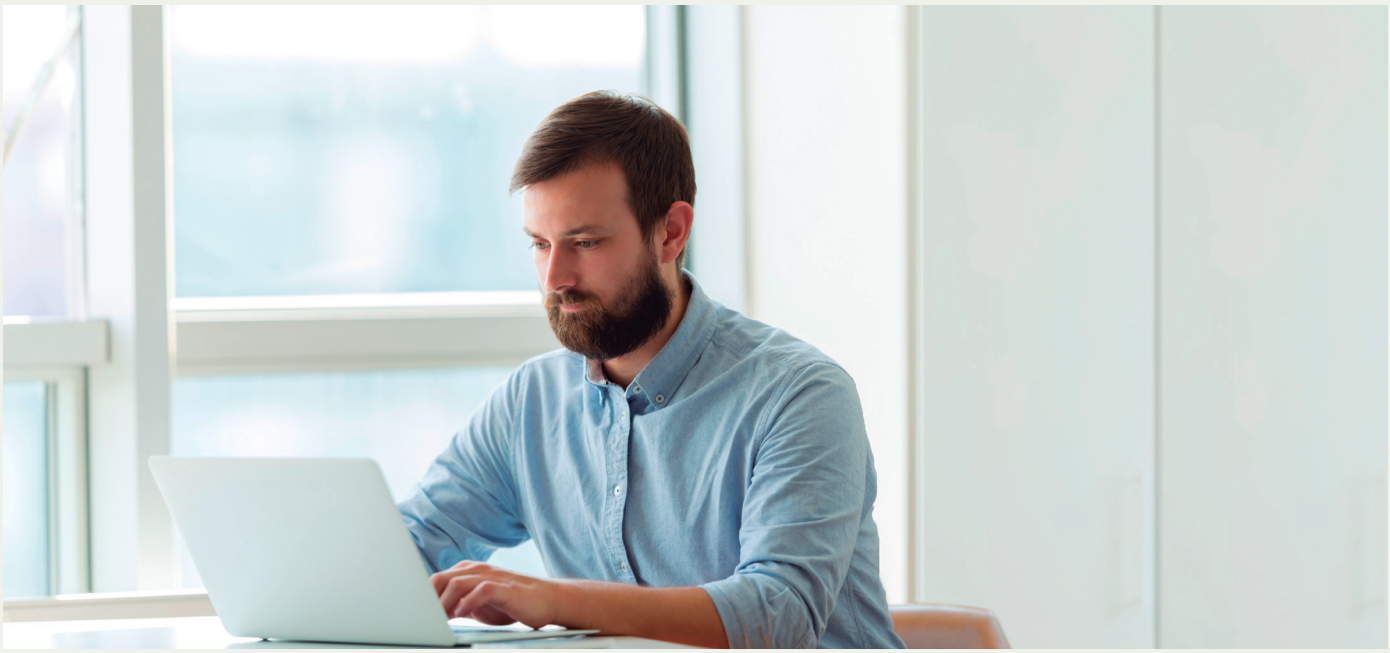
2018

The first Hybrid System with VRF and GHP in Europe.

Looking ahead

Panasonic introduces a new Heat Pump Chiller series which is named as ECOi-W.

PRO Club. The professional website of Panasonic



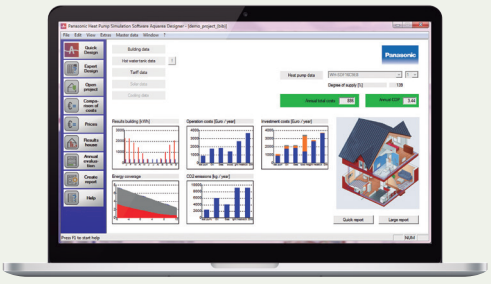
Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets. Panasonic PRO Club is the online tool which makes your life easier! You just have to register and a lot of functionalities are freely available to you, where ever you are, from your computer or smartphone!

VRF Designer

Building on the success of the ECOi VRF Designer software, this package provides air conditioning system designers, installers and dealers with a program to design and size projects for Panasonic's VRF ranges.

Aquarea Designer

Panasonic provides bespoke software helping system designers, installers and dealers to very quickly design and size systems, create wiring diagrams and issue bills of quantities at the push of a button.



Panasonic helps you to calculate the system label

From 26th September 2015, installers can be assured that all products manufactured after this date will be sold with the required ErP labels which will aid installers with their paperwork. While it is the manufacturer's responsibility to issue their products with the required labels, the installers will need to calculate and issue an efficiency label for the entire heating system. Whether installing a new heating system or installing new boilers, controls or renewables into an existing system, it is, and will continue to be, the installer's responsibility to calculate and issue efficiency labels. Calculators which assist installers with this process are available on the Panasonic Heating and Cooling Solutions website.

PRO Club

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

Panasonic, a partner with the knowledge and experience to achieve your objectives and green needs.

Integrated technology that permits better work, easy installation, high efficiency performance, and energy savings

Our main targets are the distributed services and B2B-integrated solutions.
Panasonic provides a single point of contact for the design and maintenance of your system, making things easy for you.
Given our experience in processes, technologies and complex business models, we can offer you effective solutions that reduce costs, whilst also being efficient, user-friendly, reliable and innovative. Another advantage we offer to our clients is a support service for systems integration projects, which we provide through our wide range of services and solutions.
As a global company, we have at our disposal the financial, logistical and technical resources to develop complex and wide-ranging solutions, both at country and international level by implementing them both on-time and on-budget.

Bulgaria's stand-out residential building with efficient HVAC solution. **Aquarea**

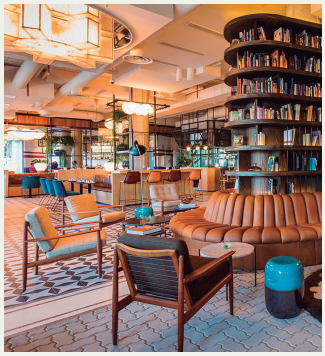
The new Hotel Vincci Gala with efficiency class A, up to 70 % save energy. Barcelona, Spain. **ECOi - ECO G**

New IKEA "Click and Collect" store in city centre. Birmingham, UK. **ECOi - ECO G**

9 high quality homes in Whittle-Le-Woods near Chorley, UK. **Aquarea**

Andalucia Technology Park. Offices of high energetic efficiency. Spain. **ECOi**

14 bubble style domes to bring a 180-degree transparent window to the nature. Belfast, Ireland. **Aquarea**



Madrid's new hotel Only You Atocha. The hotel has 206 rooms distributed over seven floors. **ECO G**

LIAIGRE showroom, well-known as a luxury design architect in Paris, France. **ECOi**

Marina Village Greystones. 205 apartments and 153 houses. Ireland. **Aquarea**

ITK Engineering GmbH. An innovative office building located in Germany. **ECOi - PACi**

Zalando's solution for its warehouse office conversion at Grand Canal Quay, Dublin. **ECOi**

NHS Canford house clinic, Bournemouth, UK. **VRF**

To find out more: www.aircon.panasonic.eu

AQUAREA

Welcome to Aquarea air to water heat pump

Aquarea's Air to Water Heat Pump for residential and commercial applications.
Offering capacities from 3 kW all the way through to 16 kW, the Aquarea Heat Pump Range is the widest on the market, ensuring a system is available, whatever your heating and cooling needs. Suitable for new build and refurbishment projects, the solutions are cost-effective with minimised environmental impact.

Aquarea J generation R32.

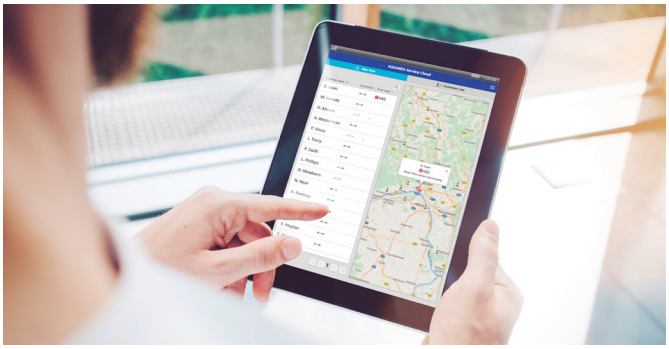
Aquarea is now available in R32, making Aquarea excellent choice for those who really care the environment. Aquarea J Series, the new generation designed for R32 refrigerant includes many other improvements: high piping range, chiller function cooling down to 10 °C, DHW COP up to 3,3, improved backup heater function for real bivalent function, SG Ready and PV function for cooling, heating curve down to -20 °C, fixed or auto water pump speed, magnet filter, efficient or comfort mode for DHW, and other improvements to bring more value and to make installation easier.

New Aquarea All in One Compact.

The Aquarea All in One Compact unit is the ultimate space-saving solution. Its 598 x 600 mm footprint, standard size of other big appliances, reduces the space required for the installation. Supplying efficient heating, the unit generates domestic hot water and stores it inside a 185L stainless steel tank with U-Vacua™ insulation to reduce energy losses. Being a real All-in-one unit, the number of additional components is reduced and the installation time is shortened.

Aquarea Service Cloud for professionals.

Aquarea Service Cloud will activate remote maintenance service while the end user is controlling and monitoring its heating and DHW remotely. This remote maintenance will save time and installation visits by connecting Aquarea to a powerful cloud infrastructure. Remote checker, remote error codes, remote set-up functions... all this will be possible by installers with CZ-TAW1 and end user acceptance.



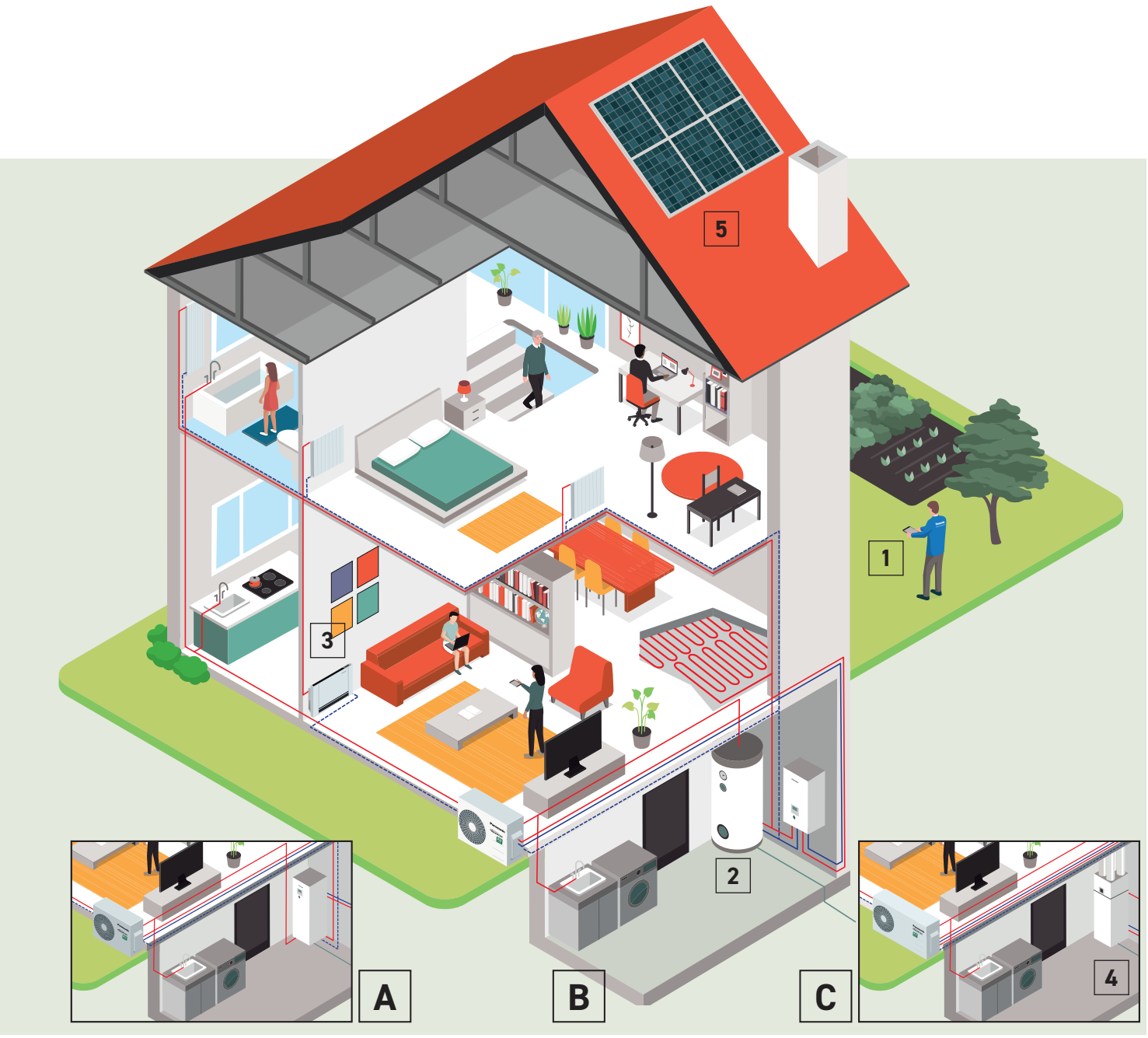
New residential heat recovery solution.

Ventilation systems with heat recovery offer users a high degree of living comfort thanks to temperature controlled and clean air. Heat recovery units in combination with Aquarea heat pump are the ideal solution for house owners which are looking for high performance and maximum comfort.

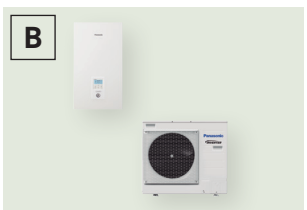
Advanced cascade control.

The Cascade Manager enables the control of up to 10 Aquarea heat pumps. Among others, it offers features like DHW logic, control of 3-way valves, Modbus IP for BMS communication, connection of up to 3 M-Bus electricity meters, PV demand functions, quick set-up and easy control by the integrated touch display.

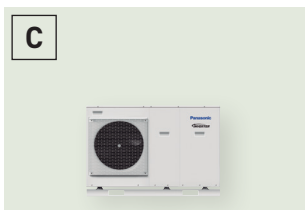
Aquarea Heat Pump Line-Up



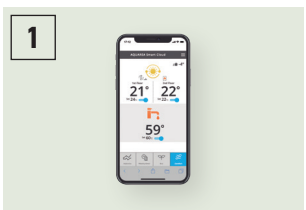
All in One system.



Bi-bloc system.



Mono-bloc system.

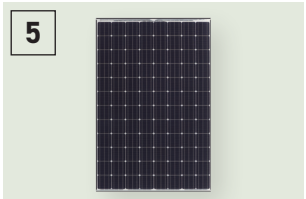


Control through smartphone, tablet or computer (optional).

Super High Efficiency cylinder (optional).

Fan coils for heating and cooling (optional).

Heat Recovery Ventilation + DHW Tank (optional).



Heat Pump + HIT Photovoltaic solar panel (optional).

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.

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 outdoor temperature without the help of an electrical booster heater.

Aquarea HT

For a house with old high-temperature radiators.
Ideal for retrofit: green energy source works with existing radiators. Aquarea HT Solution is the most appropriate, providing output water temperatures of 65 °C even at outdoor temperatures as low as -15 °C.

DHW Stand Alone

Highly efficient heat pump water heater.
Ideal to cover the hot water needs of a family house, stand alone DHW heat pumps are designed to provide maximum comfort and savings in the production of DHW. Consumption of the A+ DHW heat pump is reduced by 75 % compared with traditional electric water heaters.

Aquarea High Performance	Aquarea T-CAP	Aquarea HT
Heating - Cooling - DHW Single Phase from 3 to 16 kW Three Phase from 9 to 16 kW	Heating - Cooling - DHW Single Phase from 9 to 12 kW Three Phase from 9 to 16 kW	Heating - DHW Single Phase from 9 to 12 kW Three Phase from 9 to 12 kW
Connectable to		
Radiators - Fan coil - Underfloor heating - DHW	Radiators - Fan coil - Underfloor heating - DHW	Traditional high-temperature radiators - DHW
Application		
Normal installation	For extreme cold ambient	Retrofit for old radiators
Energy efficiency		
A+++ / A++ Heating 35 °C / 55 °C	A++ / A++ Heating 35 °C / 55 °C	A++ / A++ Heating 35 °C / 55 °C
Minimum outdoor temperature		
-20 °C	-28 °C	-20 °C
Minimum outdoor temperature to provide constant capacity at 35 °C supply water temperature		
-7 °C (not for all units)	-20 °C [1]	-15 °C
Supply temperature for heating. Maximum / Heat pump only		
75 °C [2] / 55 °C [3] (or 60 °C for Aquarea J Generation)	75 °C [2] / 60 °C [3]	75 °C [2] / 65 °C
Control and connectivity		
Smart Grid Ready [4] Wireless LAN Ready	Smart Grid Ready [4] Wireless LAN Ready	Smart Grid Ready [4] Wireless LAN Ready
Range		
Bi-bloc from 3 to 16 kW Mono-bloc from 5 to 16 kW All in One from 3 to 16 kW (185L)	Bi-bloc from 9 to 16 kW Mono-bloc from 9 to 16 kW All in One from 9 to 16 kW (185L)	Bi-bloc from 9 to 12 kW Mono-bloc from 9 to 12 kW

All data in this chart is applicable in most of models in each line up, check product specs to confirm. 1) 9 and 12 kW. 2) DHW maximum temperature with heater. 3) In case of outdoor temperature over -10 °C. 4) H Generation with CZ-NS4P, F and G Generation with Heat Pump Manager. * DHW Stand Alone is produced by S.A.T.E.

Aquarea Smart Cloud for end users

The most advanced heating control for today and for the future. Aquarea can be connected to the Cloud with CZ-TAW1, enabling both end user control and remote maintenance by service partners.

WATCH DEMO

* User interface image may change without notification.

Works with IFTTT

More possibilities with IFTTT.
IF This Then That: IFTTT service enables user to automatically trigger actions for Aquarea system based on other apps, web services or devices.

Connect your Aquarea to your voice assistant, get an e-mail if your Aquarea gets an error or automatically turn on your Aquarea on Heat Mode when outdoor temperature drops below specified level.

https://ifttt.com/aquarea_smart_cloud

Easy and powerful energy management

The Aquarea Smart Cloud is much more than a simple thermostat for switching a heating device ON or OFF. It is a powerful and intuitive service for remotely controlling the full range of heating and hot water functions, including monitoring energy consumption.

How does it work?

After connecting an Aquarea J or H generation to the cloud by wireless LAN or by wired LAN, the user accesses the Cloud portal to remotely operate all functions of his units. He can also permit service partners to access customised functions for remote maintenance and monitoring.

Requirements

1. Aquarea J or H Generation
2. In-house internet connection with router wireless LAN or wired LAN
3. Get a Panasonic ID in https://aquarea-smart.panasonic.com/

Functions:

· Visualisation and Control
· Scheduling
· Energy Statistics
· Malfunction notification

Advantages

Energy savings, comfort and control from anywhere.
Increased efficiency and resources management, operating costs savings and owner satisfaction.
The Aquarea Smart Cloud services are focused on enabling full remote maintenance of the Aquarea system. This allows maintenance specialists to engage in predictive maintenance and system fine-tuning, as well as fixing malfunctions when they occur.

Aquarea compatibility	J and H Generation
Connection point	CN-CNT Aquarea port
Home router connection	Wireless or Wired LAN
Temperature sensor	Can use remote controller sensor
Tablet or PC browser compatibility*	Yes
Operation from remote — ON/OFF — Temperature setting Mode selection — DHW setting — Error codes — Scheduling	Yes
Heating areas	Up to 2 zones
Power consumption estimation — Operation log history	Yes — Yes

* Check browsers and version compatibility.

Aquarea Service Cloud for Installers / Maintenance

WATCH DEMO

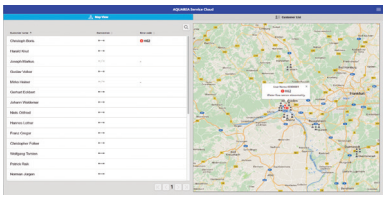
The real remote maintenance made simple

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.

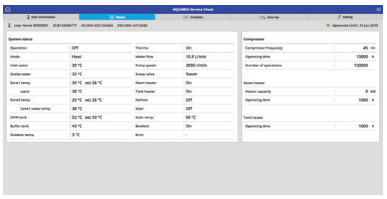
Advanced functions for remote maintenance with professional screens:

- Global view at a glance
- Error log history
- Full unit information
- Statistics always available
- Most settings available

Home page.
Status of connected users at a glance. 2 view options: map view or list view.

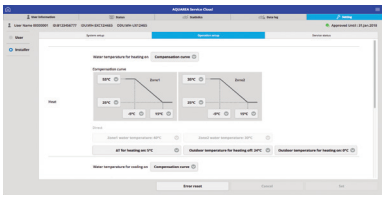


Status tab.
Current status of unit with a maximum 28 parameters.



Statistics tab.
Customisable statistics of a maximum of 73 parameters.
Available anytime with the information of the last 7 days.

Settings tab.
Most of the user and installer settings can be done remotely.



Activation of the Aquarea Service Cloud

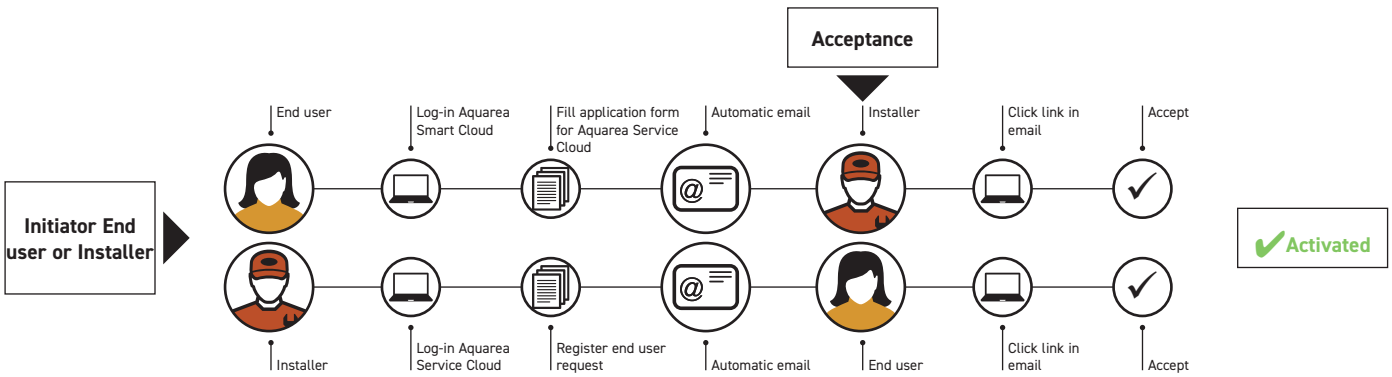
Requirements.

Hardware and connection	End user registration	Installer / maintenance registration
J or H Generation Aquarea connected to CZ-TAW1	Get Panasonic ID	Get Service ID
In-house internet connection with Wireless LAN or Wired LAN	Aquarea Smart Cloud	Aquarea Service Cloud

Connecting the unit to the Aquarea Service Cloud.
The process can be initiated by the end user or by the installer.
The end user can select and change the installer's level of control anytime (4 levels).

Installer registration: https://aquarea-service.panasonic.com/

End user registration: https://aquarea-smart.panasonic.com/



Domestic Renewable Heating Incentive (dHRI)

RHI

The Renewable Heat Incentive (RHI) is a Government scheme set up to encourage uptake of renewable heat technologies among householders, communities and businesses through the provision of financial incentives.

The UK Government expects the RHI to make a significant contribution towards their 2020 ambition of having 12 per cent of heating coming from renewable sources. The Renewable Heat Incentive is the first of its kind in the world.
RHI domestic scheme will support Heat Pumps, Biomass, Micro CHP and Solar Thermal Panels. The announcement follows extensive consultation on how a financial incentive would work best for householders and takes into account lessons learned from the Renewable Heat Premium Payment grant scheme (RHPP) and the RHI non domestic scheme.

Panasonic's Aquarea range of air to water heat pumps are already proving extremely popular with homeowners, specifiers and contractors looking for reliable, easy to use heating and domestic hot water systems offering maximum energy efficiency. Aquarea is the most comprehensive, versatile and cost-effective range of air-to-water heat pumps on the market. It features heat pumps from 3kW to 16kW, single and three-phase alongside stand-alone and split-units.

Who will be eligible to receive the Domestic RHI payment?

Open to owner occupiers, private and social landlords, third party owners of heating systems and people who build their own homes.

Tariff payments

Payments will be made on a quarterly basis for seven years. This payment will be based on the EPC deemed figure of energy required for the property (maximum total deemed figure to be used in calculation is 20,000kWh), less the electrical draw used on the compressor to deliver that demand. Therefore you will be paid out on the portion of renewable energy generated from the system, this figure is Tax Free and index linked.

An MMSP (Metering and Monitoring Service Package) can be fitted, which offers an extra payment of £1810, 50% in the first year, balance paid over the following 6 years. Metering is mandatory for second homes and bi-valent/hybrid installations.
With a Panasonic ASHP you can receive over £12,000* from the dRHI.

* Deemed demand 20,000kWh from EPC, installing WH-SXC09H3E5 on underfloor heating using 35°C flow, CPI of 1% (11/04/2018).

Scheme requirements

They must certify that the property is their main residence and that they have basic energy efficiency measures in place, such as 250mm of loft insulation and cavity wall insulation, where appropriate. The Heat Pump installed and installers must be MCS certified (or certified by an equivalent scheme).

EPC Assessment

This is carried out in your home or business premises by a Green Deal Advisor or Assessor, and may be subject to a charge. They will:

- Use software to calculate the deemed energy required for the property covering heating and DHW demand
- Supply an EPC with a deemed energy figure for the property covering the total amount of energy required for heating & DHW, this figure will be used in the calculation for dRHI payments.

Panasonic Warranty Scheme

Panasonic is delighted to announce a new Warranty Scheme is now in place, with Standard, Extended and Extended+ options for its heating & cooling products purchased within the UK.

The Panasonic warranty scheme is designed to provide a range of options for installers to choose from. The extended warranty period of five and seven years, is dependent on the installer successfully completing the relevant training from Panasonic or an authorised Panasonic Distributor. By linking the Extended and Extended+ Warranties to training adds value to installers and their customers, ensuring they are compliant, competent and fully trained to install Panasonic heating & cooling products.

Panasonic Aquarea A2W heat pumps come with additional warranties fully backed by Panasonic, with a 7 year parts and labour warranty being offered, full details to be downloaded at https://www.aircon.panasonic.eu/GB_en/downloads/others/. For more information on how to receive a Panasonic A2W 7 year full warranty call 01344 853182.

For the extended warranty period of five years, installers will need to complete a Panasonic training course with an assessment test at the end. Successful participants will then be issued with a unique ID to enable them to offer their customers the five-year warranty on all purchases of Panasonic heating & cooling products (subject to terms & conditions and the requisite maintenance checks).

For those selected and trained Installers, Panasonic will extend the warranty period to seven years if the installer submits their commissioning documents to the Panasonic PRO Club website.

Installers will simply have to load the Panasonic approved commissioning documents to the Panasonic PRO Club, accessing the warranty area with their unique ID (no proof of purchase required), ensuring that the products and installation are traceable. In-order to maintain the extended warranty, the installations must be maintained by a Panasonic approved A2W installer, offering their customers long term added value.

All purchases under the new warranty scheme will benefit from full parts and labour allowance, providing peace of mind to the customer.

The warranty period will commence within three months of the date of commissioning, six months from sale by Panasonic or no later than 18 months from date of manufacture, whichever is sooner. The Product must be maintained by a Panasonic A2W Accredited Installer in-order to meet the requirements of the Extended Warranty. All products must be maintained at least once every twelve months to meet the warranty requirements. For the Extended and Extended+ warranties, the product must be maintained by an Panasonic A2W Accredited Installer or the warranty will revert to a three-year Standard Warranty. Records of maintenance must be kept, for inspection by Panasonic prior to any service/ reparation work. Failure to maintain the system or keep adequate records of maintenance will invalidate the warranty.

Aquarea Heat Pumps Line-Up

		3 kW	5 kW	7 kW
Aquarea High Performance **P. 16, 19, 20**	**All in One** 1 Phase 3 Phase	 WH-ADC0309J3E5UK WH-UD03JE5 WH-ADC0309H3E5UK WH-UD03HE5-1	 WH-ADC0309J3E5UK WH-UD05JE5 WH-ADC0309H3E5UK WH-UD05HE5-1	 WH-ADC0309J3E5UK WH-UD07JE5 WH-ADC0309H3E5UK WH-UD07HE5-1
P. 17, 22, 23	**Bi-bloc** 1 Phase 3 Phase	  WH-SDC0305J3E5 WH-UD03JE5 WH-SDC03H3E5-1 WH-UD03HE5-1	  WH-SDC0305J3E5 WH-UD05JE5 WH-SDC05H3E5-1 WH-UD05HE5-1	  WH-SDC0709J3E5 WH-UD07JE5 WH-SDC07H3E5-1 WH-UD07HE5-1
P. 18, 26	**Mono-bloc** 1 Phase	 WH-MDC05J3E5 WH-MDC05H3E5	 WH-MDC07J3E5 WH-MDC07H3E5	
Aquarea T-CAP **P. 21, 21**	**All in One** 1 Phase 3 Phase			
P. 24, 25	**Bi-bloc** 1 Phase 3 Phase			
P. 27	**Mono-bloc** 1 Phase 3 Phase			
Aquarea HT **P. 28**	**Bi-bloc** 1 Phase 3 Phase			
P. 29	**Mono-bloc** 1 Phase			

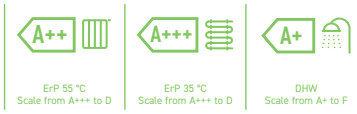
Heating. Cooling. DHW. WH-__E5 1 Phase // WH-__E8 3 Phase. Green references refer to R32 models.

Check all our certified heat pumps on:
www.heatpumpkeymark.com

9 kW	12 kW	16 kW
 WH-ADC0309J3E5UK WH-UD09JE5-1 WH-ADC0309H3E5UK WH-UD09HE5-1	 WH-ADC1216H6E5UK WH-UD12HE5	 WH-ADC1216H6E5UK WH-UD16HE5
 WH-SDC0709J3E5 WH-UD09JE5-1 WH-SDC09H3E5-1 WH-UD09HE5-1 WH-SDC09H3E8 WH-UD09HE8	 WH-SDC12H6E5 WH-UD12HE5 WH-SDC12H9E8 WH-UD12HE8	 WH-SDC16H6E5 WH-UD16HE5 WH-SDC16H9E8 WH-UD16HE8
 WH-MDC09J3E5 WH-MDC09H3E5	 WH-MDC12H6E5	 WH-MDC16H6E5
 WH-ADC1216H6E5UK WH-UX09HE5	 WH-ADC1216H6E5UK WH-UX12HE5	
 WH-SXC09H3E5 WH-UX09HE5 WH-SXC09H3E8 WH-UX09HE8 WH-SQC09H3E8 WH-UQ09HE8	 WH-SXC12H6E5 WH-UX12HE5 WH-SXC12H9E8 WH-UX12HE8 WH-SQC12H9E8 WH-UQ12HE8	 WH-SXC16H9E8 WH-UX16HE8 WH-SQC16H9E8 WH-UQ16HE8
 WH-MXC09H3E5 WH-MXC09H3E8	 WH-MXC12H6E5 WH-MXC12H9E8	 WH-MXC16H9E8
 WH-SHF09F3E5 WH-UH09FE5 WH-SHF09F3E8 WH-UH09FE8	 WH-SHF12F6E5 WH-UH12FE5 WH-SHF12F9E8 WH-UH12FE8	
 WH-MHF09G3E5	 WH-MHF12G6E5	

GOOD DESIGN

011-1W0207
011-1W0208
011-1W0209



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance All in One J Generation Single Phase. Heating and Cooling • R32 refrigerant

Tentative Data			Single Phase (Power to indoor)			
Kit			**KIT-ADC03JE5**	**KIT-ADC05JE5**	**KIT-ADC07JE5**	**KIT-ADC09JE5-1**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	3.20 / 5.33	5.00 / 5.00	7.00 / 4.76	9.00 / 4.48
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	3.20 / 2.81	5.00 / 2.72	7.00 / 2.82	8.95 / 2.78
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	3.20 / 3.64	4.20 / 3.18	6.85 / 3.41	7.00 / 3.40
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	3.20 / 2.19	4.10 / 1.99	6.20 / 2.21	6.30 / 2.16
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	3.30 / 2.80	4.20 / 2.59	5.60 / 2.87	6.12 / 2.78
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	3.20 / 1.79	3.55 / 1.71	5.25 / 1.94	5.90 / 1.93
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	3.20 / 3.52	4.50 / 3.00	6.70 / 3.03	8.20 / 2.72
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	3.20 / 4.85	4.80 / 4.29	6.70 / 4.72	9.00 / 4.18
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	200 / 136	200 / 136	193 / 130	193 / 130
		SCOP	5.07 / 3.47	5.07 / 3.47	4.90 / 3.32	4.90 / 3.32
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	245 / 165	245 / 165	227 / 160	227 / 160
		SCOP	6.20 / 4.20	6.20 / 4.20	5.75 / 4.07	5.75 / 4.07
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	157 / 110	157 / 110	164 / 116	164 / 116
		SCOP	4.00 / 2.83	4.00 / 2.83	4.18 / 2.98	4.18 / 2.98
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-ADC0309J3E5UK**	**WH-ADC0309J3E5UK**	**WH-ADC0309J3E5UK**	**WH-ADC0309J3E5UK**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28
Dimension	H x W x D	mm	1800 x 598 x 717	1800 x 598 x 717	1800 x 598 x 717	1800 x 598 x 717
Net weight 1 zone / 2 zones		kg	122 / 130	122 / 130	122 / 130	122 / 130
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	30 / 120	30 / 120	30 / 120	30 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	9.20	14.30	20.10	25.80
Capacity of integrated electric heater		kW	3.00	3.00	3.00	3.00
Recommended fuse		A	16 / 16	16 / 16	25 / 16	25 / 16
Recommended cable size. supply 1 / 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
Water volume		L	185	185	185	185
Maximum water temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A+	A+	A+	A+
DHW Tank ERP Warm climate efficiency rating		A+ to F	A+	A+	A+	A+
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A	A	A
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	132 / 3.30	132 / 3.30	120 / 3.00	120 / 3.00
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	155 / 3.88	155 / 3.88	140 / 3.50	140 / 3.50
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	99 / 2.48	99 / 2.48	99 / 2.47	99 / 2.47
Outdoor unit			**WH-UD03JE5**	**WH-UD05JE5**	**WH-UD07JE5**	**WH-UD09JE5-1**
Sound power part load	Heat	dB	55	55	59	59
Sound power full load	Heat / Cool	dB	60 / 61	64 / 64	68 / 67	69 / 69
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298 / 37	622 x 824 x 298 / 37	795 x 875 x 320 / 61	795 x 875 x 320 / 61
Refrigerant (R32) / CO_2 Eq.		kg / T	0.9 / 0.608	0.9 / 0.608	1.27 / 0.857	1.27 / 0.857
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 5/8 (15.88)	1/4 (6.35) / 5/8 (15.88)
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 25 / 20	3 ~ 25 / 20	3 ~ 50 / 30	3 ~ 50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 25	10 / 25
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20
Kit Price		**£**	**4632**	**4687**	**4764**	**4979**
Indoor unit Price		£	3534	3534	3534	3534
Outdoor unit Price		£	1098	1153	1230	1445
MCS Accredited Product			**TBA**	**TBA**	**TBA**	**TBA**

Accessories		Price £
PAW-ADC-CV150	Decorative magnetic side cover	**107**
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
CZ-NS4P	Additional functions PCB	**129**

Accessories		Price £
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**
PAW-G3KIT	G3 compliant kit	**107**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Insulated tested under EN12897.
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.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN

011-1W0207
011-1W0208
011-1W0209

A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D

CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea High Performance Bi-bloc J Generation Single Phase. Heating and Cooling - SDC • R32 refrigerant

			Single Phase (Power to indoor)			
Kit			**KIT-WC03J3E5**	**KIT-WC05J3E5**	**KIT-WC07J3E5**	**KIT-WC09J3E5**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	3.20 / 5.33	5.00 / 5.00	7.00 / 4.76	9.00 / 4.48
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	3.20 / 2.81	5.00 / 2.72	7.00 / 2.82	8.95 / 2.78
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	3.20 / 3.64	4.20 / 3.18	6.85 / 3.41	7.00 / 3.40
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	3.20 / 2.19	4.10 / 1.99	6.20 / 2.21	6.30 / 2.16
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	3.30 / 2.80	4.20 / 2.59	5.60 / 2.87	6.12 / 2.78
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	3.20 / 1.79	3.55 / 1.71	5.25 / 1.94	5.90 / 1.93
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	3.20 / 3.52	4.50 / 3.00	6.70 / 3.03	8.20 / 2.72
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	3.20 / 4.85	4.80 / 4.29	6.70 / 4.72	9.00 / 4.18
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	200 / 136	200 / 136	193 / 130	193 / 130
		SCOP	5.07 / 3.47	5.07 / 3.47	4.90 / 3.32	4.90 / 3.32
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	245 / 165	245 / 165	227 / 160	227 / 160
		SCOP	6.20 / 4.20	6.20 / 4.20	5.75 / 4.07	5.75 / 4.07
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	157 / 110	157 / 110	164 / 116	164 / 116
		SCOP	4.00 / 2.83	4.00 / 2.83	4.18 / 2.98	4.18 / 2.98
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-SDC0305J3E5**	**WH-SDC0305J3E5**	**WH-SDC0709J3E5**	**WH-SDC0709J3E5**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	30 / 30	30 / 31
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	42	42	42	42
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	30 / 100	33 / 106	34 / 114	40 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	9.2	14.3	20.1	25.8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	15 / 30	15 / 30	15 / 30	15 / 30
Recommended cable size. supply 1 / 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
Outdoor unit			**WH-UD03JE5**	**WH-UD05JE5**	**WH-UD07JE5**	**WH-UD09JE5-1**
Sound power part load	Heat	dB	55	55	59	59
Sound power full load	Heat / Cool	dB	60 / 61	64 / 64	68 / 67	69 / 69
Dimension	H x W x D	mm	622 x 824 x 298	622 x 824 x 298	795 x 875 x 320	795 x 875 x 320
Net weight		kg	37	37	61	61
Refrigerant (R32) / CO_2 Eq.		kg / T	0.9 / 0.608	0.9 / 0.608	1.27 / 0.857	1.27 / 0.857
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 5/8 (15.88)	1/4 (6.35) / 5/8 (15.88)
Pipe length range		m	3 ~ 25	3 ~ 25	3 ~ 50	3 ~ 50
Elevation difference (in/out)		m	20	20	30	30
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	20	20	25	25
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20
Kit Price		**£**	**2522**	**2577**	**2778**	**2993**
Indoor unit Price		£	1424	1424	1548	1548
Outdoor unit Price		£	1098	1153	1230	1445
MCS Accredited Product			**TBA**	**TBA**	**TBA**	**TBA**

Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
CZ-NV1	3 way valve kit for inside of hydrokit	**224**
PAW-BTANK50L-2	Buffer tank 50L	**199**

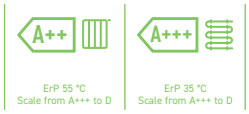
Accessories		Price £
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height.

R32 | A++ ErP 55°C | A+++ ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | DHW | -20°C HEATING MODE | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WLAN | BMS CONNECTIVITY

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

NEW 2020



CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

NEW Aquarea High Performance Mono-bloc J Generation Single Phase. Heating and Cooling - MDC • R32 refrigerant

			Single Phase Heating and Cooling		
Outdoor unit			**WH-MDC05J3E5**	**WH-MDC07J3E5**	**WH-MDC09J3E5**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	5,00 / 5,08	7,00 / 4,76	9,00 / 4,48
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	5,00 / 3,01	7,00 / 2,82	8,95 / 2,78
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	5,00 / 3,57	7,00 / 3,40	7,45 / 3,13
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	5,00 / 2,27	6,30 / 2,16	7,00 / 2,12
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	5,00 / 2,78	6,80 / 2,81	7,50 / 2,63
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	5,00 / 1,85	6,30 / 1,86	7,00 / 1,80
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	5,00 / 3,31	7,00 / 3,06	9,00 / 2,71
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	5,00 / 5,05	7,00 / 4,73	9,00 / 4,25
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	202 / 142	193 / 130	193 / 130
		SCOP	5,12 / 3,63	4,90 / 3,32	4,90 / 3,32
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	237 / 165	227 / 160	227 / 160
		SCOP	6,00 / 4,20	5,75 / 4,07	5,75 / 4,07
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	160 / 115	164 / 116	164 / 116
		SCOP	4,08 / 2,95	4,18 / 2,98	4,18 / 2,98
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+
Sound power partial load	Heat	dB	59	59	59
Sound power full load	Heat / Cool	dB	64 / 65	68 / 67	69 / 68
Dimension	H x W x D	mm	865 x 1283 x 320	865 x 1283 x 320	865 x 1283 x 320
Net weight		kg	99	104	104
Refrigerant (R32) / CO_2 Eq.		kg / T	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	34 / 96	36 / 100	39 / 108
Heating water flow (ΔT=5 K. 35 °C)		L/min	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3
Input Power	Heat	kW	0,985	1,47	2,01
	Cool	kW	1,51	2,29	3,32
Running and Starting current	Heat	A	4,7	7,0	9,3
	Cool	A	7,0	10,5	14,7
Current 1		A	12	17	17
Current 2		A	13	13	13
Recommended fuse		A	30 / 15	30 / 15	30 / 16
Recommended cable size, supply 1 / 2		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
Operation range (outdoor temperature)	Heat	°C	-20 ~ 35	-20 ~ 35	-20 ~ 35
	Cool	°C	10 ~ 43	10 ~ 43	10 ~ 43
Water outlet	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20
Outdoor unit Price		**£**	**2271**	**2538**	**3234**
MCS Accredited Product			**TBA**	**TBA**	**TBA**

Accessories		**Price £**
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		**Price £**
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).
1) WH-MDC models are hermetically sealed. * Available in May 2020.

INTERNET CONTROL: Optional.

GOOD DESIGN

A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D

A+ DHW Scale from A+ to F

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance All in One H Generation Single Phase. Heating and Cooling • R410A refrigerant

			Single Phase (Power to indoor)			
Kit			**KIT-ADC03HE5UK**	**KIT-ADC05HE5-K**	**KIT-ADC07HE5UK**	**KIT-ADC09HE5UK**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	3.20 / 5.00	5.00 / 4.63	7.00 / 4.46	9.00 / 4.13
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	3.20 / 2.67	5.00 / 2.65	6.80 / 2.63	8.90 / 2.41
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	3.20 / 3.56	4.20 / 3.11	6.55 / 3.34	6.70 / 3.13
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	3.20 / 2.15	4.10 / 1.98	6.00 / 1.99	6.00 / 1.99
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	3.20 / 2.69	4.20 / 2.59	5.15 / 2.68	5.90 / 2.52
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	3.20 / 1.72	3.55 / 1.71	4.80 / 1.89	5.80 / 1.88
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	3.20 / 3.08	4.50 / 2.69	6.00 / 2.63	7.00 / 2.43
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	3.30 / 3.75	5.00 / 3.76	6.00 / 3.57	7.00 / 3.26
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	195 / 130	195 / 130	190 / 130	190 / 130
		SCOP	4.95 / 3.33	4.95 / 3.33	4.83 / 3.33	4.83 / 3.33
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	244 / 163	244 / 163	225 / 160	225 / 160
		SCOP	6.18 / 4.15	6.18 / 4.15	5.70 / 4.08	5.70 / 4.08
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	150 / 103	150 / 103	160 / 115	160 / 115
		SCOP	3.83 / 2.65	3.83 / 2.65	4.08 / 2.95	4.08 / 2.95
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-ADC0309H3E5UK**	**WH-ADC0309H3E5UK**	**WH-ADC0309H3E5UK**	**WH-ADC0309H3E5UK**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28
Dimension / Net weight	H x W x D	mm / kg	1800 x 598 x 717 / 124	1800 x 598 x 717 / 124	1800 x 598 x 717 / 124	1800 x 598 x 717 / 124
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	30 / 120	30 / 120	30 / 120	30 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	9.2	14.3	20.1	25.8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	15 / 15	15 / 15	30 / 15	30 / 15
Recommended cable size. supply 1 / 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
Water volume		L	185	185	185	185
Maximum water temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A+	A+	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A+	A+	A+	A+
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A	A	A
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	120 / 3.00	120 / 3.00	113 / 2.83	113 / 2.83
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	147 / 3.68	147 / 3.68	132 / 3.30	132 / 3.30
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	94 / 2.35	94 / 2.15	86 / 2.15	86 / 1.88
Outdoor unit			**WH-UD03HE5-1**	**WH-UD05HE5-1**	**WH-UD07HE5-1**	**WH-UD09HE5-1**
Sound power part load	Heat	dB	55	55	59	59
Sound power full load	Heat / Cool	dB	64 / 65	65 / 66	68 / 66	69 / 68
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298 / 39	622 x 824 x 298 / 39	795 x 900 x 320 / 66	795 x 900 x 320 / 66
Refrigerant (R410A) / CO_2 Eq.		kg / T	1.20 / 2.506	1.20 / 2.506	1.45 / 3.028	1.45 / 3.028
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 5/8 (15.88)	1/4 (6.35) / 5/8 (15.88)
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 15 / 5	3 ~ 15 / 5	3 ~ 40 / 30	3 ~ 40 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 30	10 / 30
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20
Kit Price		**£**	**4632**	**4687**	**4764**	**4979**
Indoor unit Price		£	3534	3534	3534	3534
Outdoor unit Price		£	1098	1153	1230	1445
MCS Accredited Product			**YES**	**YES**	**YES**	**YES**

Accessories		Price £
PAW-ADC-PREKIT-1	Piping pre installation kit for H Generation	**281**
PAW-ADC-CV150	Decorative magnetic side cover	**107**
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**

Accessories		Price £
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**
PAW-G3KIT	G3 compliant kit	**107**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Insulated tested under EN12897.
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.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN

A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D

A DHW Scale from A+ to F

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance All in One H Generation Single Phase. Heating and Cooling • R410A refrigerant

			Single Phase (Power to indoor)	
Kit			**KIT-ADC12HE5**	**KIT-ADC16HE5**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,00 / 2,88	14,50 / 2,68
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	11,40 / 3,44	13,00 / 3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,10 / 2,20	9,80 / 2,17
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,00 / 2,73	11,40 / 2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,20 / 1,92	9,00 / 1,82
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	10,00 / 2,81	12,20 / 2,56
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	10,00 / 4,17	12,20 / 4,12
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	190 / 134	190 / 130
		SCOP	4,83 / 3,43	4,83 / 3,33
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	245 / 159	245 / 169
		SCOP	6,20 / 4,05	6,20 / 4,30
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	168 / 121	168 / 121
		SCOP	4,28 / 3,10	4,28 / 3,10
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+
Indoor unit			**WH-ADC1216H6E5UK**	**WH-ADC1216H6E5UK**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33
Dimension / Net weight	H x W x D	mm / kg	1800 x 598 x 717 / 124	1800 x 598 x 717 / 124
Water pipe connector		Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed
	Input power (Min / Max)	W	36 / 152	36 / 152
Heating water flow (ΔT=5 K. 35 °C)		L/min	34,4	45,9
Capacity of integrated electric heater		kW	6	6
Recommended fuse		A	30 / 30	30 / 30
Recommended cable size, supply 1 / 2		mm²	3 x 4,0 / 3 x 4,0	3 x 4,0 / 3 x 4,0
Water volume		L	185	185
Maximum water temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Tapping profile according EN16147			L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A	A
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	B
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	95 / 2,38	91 / 2,28
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	110 / 2,75	107 / 2,68
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	75 / 1,80	72 / 1,88
Outdoor unit			**WH-UD12HE5**	**WH-UD16HE5**
Sound power part load	Heat	dB	65	65
Sound power full load	Heat / Cool	dB	69 / 68	72 / 72
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 101	1340 x 900 x 320 / 101
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,55 / 5,324	2,55 / 5,324
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9,52) / 5/8(15,88)	3/8(9,52) / 5/8(15,88)
Pipe length range / Elevation difference (in/out)		m / m	3~50 / 30	3~50 / 30
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-20~+35	-20~+35
Water outlet	Heat / Cool	°C	20~55 / 5~20	20~55 / 5~20
Kit Price		**£**	**POA**	**POA**
Indoor unit Price		£	POA	POA
Outdoor unit Price		£	POA	POA
MCS Accredited Product			**NO**	**NO**

Accessories		Price £
PAW-ADC-PREKIT-1	Piping pre installation kit for H Generation	**281**
PAW-ADC-CV150	Decorative magnetic side cover	**107**
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**

Accessories		Price £
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**
PAW-G3KIT	G3 compliant kit	**107**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Insulated tested under EN12897.
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.

A++ ErP 55°C · A+++ ErP 35°C · A DHW · INVERTER+ · A CLASS WATER PUMP AUTO SPEED · 4,84 COP HIGH PERFORMANCE · DHW · -20°C HEATING MODE · WATER FILTER · FLOW SENSOR · BOILER CONNECTION · ADVANCED CONTROL · OPTIONAL WLAN · BMS CONNECTIVITY

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN

CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea T-CAP All in One H Generation Single Phase. Heating and Cooling • R410A refrigerant

			Single Phase (Power to indoor)	
Kit			**KIT-AXC09HE5UK**	**KIT-AXC12HE5UK**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	9.00 / 4.84	12.00 / 4.74
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	9.00 / 2.94	12.00 / 2.88
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	9.00 / 3.59	12.00 / 3.44
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	9.00 / 2.21	12.00 / 2.19
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	9.00 / 2.85	12.00 / 2.72
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	9.00 / 2.02	12.00 / 1.92
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	7.00 / 3.17	10.00 / 2.81
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	7.00 / 5.19	10.00 / 5.13
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	181 / 130	170 / 130
		SCOP	4.60 / 3.33	4.33 / 3.33
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	235 / 158	231 / 158
		SCOP	5.95 / 4.03	5.85 / 4.03
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	160 / 125	160 / 125
		SCOP	4.08 / 3.20	4.08 / 3.20
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A++	A++ / A++
Indoor unit			**WH-ADC1216H6E5UK**	**WH-ADC1216H6E5UK**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33
Dimension / Net weight	H x W x D	mm / kg	1800 x 598 x 717 / 124	1800 x 598 x 717 / 124
Water pipe connector		Inch	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed
	Input power (Min / Max)	W	36 / 152	36 / 152
Heating water flow (ΔT=5 K. 35 °C)		L/min	25.8	34.4
Capacity of integrated electric heater		kW	6	6
Recommended fuse		A	30 / 30	30 / 30
Recommended cable size. supply 1 / 2		mm²	3 x 4.0 / 3 x 4.0	3 x 4.0 / 3 x 4.0
Water volume		L	185	185
Maximum water temperature		°C	65	65
Material inside tank			Stainless steel	Stainless steel
Tapping profile according EN16147			L	L
DHW Tank ERP Average climate efficiency rating		A+ to F	A	A
DHW Tank ERP Warm climate efficiency rating		A+ to F	A	A
DHW Tank ERP Cold climate efficiency rating		A+ to F	A	A
DHW Tank ERP Average climate ETA / SCOP		ETA % / SCOP	95 / 2.38	95 / 2.38
DHW Tank ERP Warm climate ETA / SCOP		ETA % / SCOP	110 / 2.75	110 / 2.75
DHW Tank ERP Cold climate ETA / SCOP		ETA % / SCOP	75 / 1.88	75 / 1.88
Outdoor unit			**WH-UX09HE5**	**WH-UX12HE5**
Sound power part load	Heat	dB	66	66
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68
Dimension / Net weight	H x W x D	mm / kg	1340 x 900 x 320 / 101	1340 x 900 x 320 / 101
Refrigerant (R410A) / CO_2 Eq.		kg / T	2.85 / 5.951	2.85 / 5.951
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9.52) / 5/8(15.88)	3/8(9.52) / 5/8(15.88)
Pipe length range / Elevation difference (in/out)		m / m	3~30 / 20	3~30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-28~+35	-28~+35
Water outlet	Heat / Cool	°C	20~60 / 5~20	20~60 / 5~20
Kit Price		**£**	**POA**	**POA**
Indoor unit Price		£	POA	POA
Outdoor unit Price		£	POA	POA
MCS Accredited Product			**NO**	**NO**

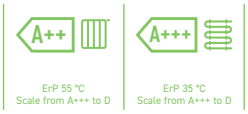
Accessories		Price £
PAW-ADC-PREKIT-1	Piping pre installation kit for H Generation	**281**
PAW-ADC-CV150	Decorative magnetic side cover	**107**
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**

Accessories		Price £
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**
PAW-G3KIT	G3 compliant kit	**107**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C). Insulated tested under EN12897.
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.

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN



CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea High Performance Bi-bloc H Generation Single Phase. Heating and Cooling - SDC • R410A refrigerant

			Single Phase Heating and Cooling			
Kit			**KIT-WC03H3E5**	**KIT-WC05H3E5**	**KIT-WC07H3E5**	**KIT-WC09H3E5**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	3.20 / 5.00	5.00 / 4.63	7.00 / 4.46	9.00 / 4.13
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	3.20 / 2.67	5.00 / 2.65	6.80 / 2.63	8.90 / 2.41
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	3.20 / 3.56	4.20 / 3.11	6.55 / 3.34	6.70 / 3.13
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	3.20 / 2.15	4.10 / 1.98	6.00 / 1.99	6.00 / 1.99
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	3.20 / 2.69	4.20 / 2.59	5.15 / 2.68	5.90 / 2.52
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	3.20 / 1.72	3.55 / 1.71	4.80 / 1.89	5.80 / 1.88
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	3.20 / 3.08	4.50 / 2.69	6.00 / 2.63	7.00 / 2.43
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	3.30 / 3.75	5.00 / 3.76	6.00 / 3.57	7.00 / 3.26
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	195 / 130	195 / 130	190 / 130	190 / 130
		SCOP	4.95 / 3.33	4.95 / 3.33	4.83 / 3.33	4.83 / 3.33
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	244 / 163	244 / 163	225 / 160	225 / 160
		SCOP	6.18 / 4.15	6.18 / 4.15	5.70 / 4.08	5.70 / 4.08
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	150 / 103	150 / 103	160 / 115	160 / 115
		SCOP	3.83 / 2.65	3.83 / 2.65	4.08 / 2.95	4.08 / 2.95
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-SDC03H3E5-1**	**WH-SDC05H3E5-1**	**WH-SDC07H3E5-1**	**WH-SDC09H3E5-1**
Sound pressure	Heat / Cool	dB(A)	28 / 28	28 / 28	30 / 30	30 / 30
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	44	44	44	44
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	30 / 100	33 / 106	34 / 114	40 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	9.2	14.3	20.1	25.8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	15 / 30	15 / 30	15 / 30	15 / 30
Recommended cable size. supply 1 / 2		mm	3 x 1.5 / 3 x 1.5	3 x 1.5 / 3 x 1.5	3 x 1.5 / 3 x 1.5	3 x 1.5 / 3 x 1.5
Outdoor unit			**WH-UD03HE5-1**	**WH-UD05HE5-1**	**WH-UD07HE5-1**	**WH-UD09HE5-1**
Sound power part load	Heat	dB	55	55	59	59
Sound power full load	Heat / Cool	dB	64 / 65	65 / 66	68 / 66	69 / 68
Dimension	H x W x D	mm	622 x 824 x 298	622 x 824 x 298	795 x 900 x 320	795 x 900 x 320
Net weight		kg	39	39	66	66
Refrigerant (R410A) / CO_2 Eq.		kg / T	1.20 / 2.506	1.20 / 2.506	1.45 / 3.028	1.45 / 3.028
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 1/2 (12.70)	1/4 (6.35) / 5/8 (15.88)	1/4 (6.35) / 5/8 (15.88)
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 40	3 ~ 40
Elevation difference (in/out)		m	5	5	30	30
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	20	20	30	30
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20
Kit Price		**£**	**2522**	**2644**	**2778**	**3129**
Indoor unit Price		**£**	1424	1491	1548	1684
Outdoor unit Price		**£**	1098	1153	1230	1445
MCS Accredited Product			**YES**	**YES**	**YES**	**YES**

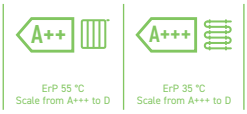
Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
CZ-NV1	3 way valve kit for inside of hydrokit	**224**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		Price £
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN



CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea High Performance Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SDC • R410A refrigerant

			Single Phase Heating and Cooling		Three Phase (Power to indoor)		
Kit			**KIT-WC12H6E5**	**KIT-WC16H6E5**	**KIT-WC09H3E8**	**KIT-WC12H9E8**	**KIT-WC16H9E8**
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,00 / 4,74	16,00 / 4,28	9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,00 / 2,88	14,50 / 2,68	9,00 / 2,94	12,00 / 2,88	14,50 / 2,68
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	11,40 / 3,44	13,00 / 3,28	9,00 / 3,59	11,40 / 3,44	13,00 / 3,28
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,10 / 2,20	9,80 / 2,17	8,80 / 2,23	9,10 / 2,20	9,80 / 2,17
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,00 / 2,73	11,40 / 2,57	9,00 / 2,85	10,00 / 2,73	11,40 / 2,57
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,20 / 1,92	9,00 / 1,82	7,90 / 2,05	8,20 / 1,92	9,00 / 1,82
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	10,00 / 2,81	12,20 / 2,56	7,00 / 3,17	10,00 / 2,81	12,20 / 2,56
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	10,00 / 4,17	12,20 / 4,12	7,00 / 4,61	10,00 / 4,17	12,20 / 4,12
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	190 / 134	190 / 130	190 / 133	190 / 134	190 / 130
		SCOP	4,83 / 3,43	4,83 / 3,33	4,83 / 3,40	4,83 / 3,43	4,83 / 3,33
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	245 / 159	245 / 169	245 / 159	245 / 159	245 / 169
		SCOP	6,20 / 4,05	6,20 / 4,30	6,20 / 4,05	6,20 / 4,05	6,20 / 4,30
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	168 / 121	168 / 121	168 / 121	168 / 121	168 / 121
		SCOP	4,28 / 3,10	4,28 / 3,10	4,28 / 3,10	4,28 / 3,10	4,28 / 3,10
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit			**WH-SDC12H6E5**	**WH-SDC16H6E5**	**WH-SDC09H3E8**	**WH-SDC12H9E8**	**WH-SDC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	44	45	44	45	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	34 / 110	30 / 105	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K. 35 °C)		L/min	34,4	45,9	25,8	34,4	45,9
Capacity of integrated electric heater		kW	6	6	3	9	9
Recommended fuse		A	30 / 30	30 / 30	15 / 30	15 / 30	15 / 30
Recommended cable size, supply 1 / 2		mm	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	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Outdoor unit			**WH-UD12HE5**	**WH-UD16HE5**	**WH-UD09HE8**	**WH-UD12HE8**	**WH-UD16HE8**
Sound power part load	Heat	dB	65	65	65	65	65
Sound power full load	Heat / Cool	dB	69 / 68	72 / 72	68 / 67	69 / 68	72 / 72
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	101	101	107	107	107
Refrigerant (R410A) / CO_2 Eq.		kg / T	2,55 / 5,324	2,55 / 5,324	2,55 / 5,324	2,55 / 5,324	2,55 / 5,324
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 50	3 ~ 50	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	30	30	20	20	20
Pipe length for additional gas		m	10	10	10	10	10
Additional gas amount		g/m	50	50	50	50	50
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20
Kit Price		**£**	**4475**	**5307**	**POA**	**POA**	**POA**
Indoor unit Price		£	2075	2509	POA	POA	POA
Outdoor unit Price		£	2400	2798	POA	POA	POA
MCS Accredited Product			**YES**	**YES**	**NO**	**NO**	**NO**

Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
CZ-NV1	3 way valve kit for inside of hydrokit	**224**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		Price £
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN

A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D

CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea T-CAP Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SXC • R410A refrigerant

			Single Phase (Power to indoor)		Three Phase (Power to indoor)		
Kit			**KIT-WXC09H3E5**	**KIT-WXC12H6E5**	**KIT-WXC09H3E8**	**KIT-WXC12H9E8**	**KIT-WXC16H9E8**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	9.00 / 4.84	12.00 / 4.74	9.00 / 4.84	12.00 / 4.74	16.00 / 4.28
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	9.00 / 2.94	12.00 / 2.88	9.00 / 2.94	12.00 / 2.88	16.00 / 2.71
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	9.00 / 3.59	12.00 / 3.44	9.00 / 3.59	12.00 / 3.44	16.00 / 3.10
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	9.00 / 2.21	12.00 / 2.19	9.00 / 2.21	12.00 / 2.19	16.00 / 2.13
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	9.00 / 2.85	12.00 / 2.72	9.00 / 2.85	12.00 / 2.72	16.00 / 2.49
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	9.00 / 2.02	12.00 / 1.92	9.00 / 2.02	12.00 / 1.92	16.00 / 1.86
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	7.00 / 3.17	10.00 / 2.81	7.00 / 3.17	10.00 / 2.81	12.20 / 2.57
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	7.00 / 5.19	10.00 / 5.13	7.00 / 5.19	10.00 / 5.13	12.20 / 3.49
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	181 / 130	170 / 130	181 / 130	170 / 130	160 / 125
		SCOP	4.60 / 3.33	4.33 / 3.33	4.60 / 3.33	4.33 / 3.33	4.08 / 3.20
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A++ / A++	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	235 / 158	231 / 158	235 / 158	231 / 158	231 / 159
		SCOP	5.95 / 4.03	5.85 / 4.03	5.95 / 4.03	5.85 / 4.03	5.85 / 4.05
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	160 / 125	160 / 125	160 / 125	160 / 125	150 / 125
		SCOP	4.08 / 3.20	4.08 / 3.20	4.08 / 3.20	4.08 / 3.20	3.83 / 3.20
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-SXC09H3E5**	**WH-SXC12H6E5**	**WH-SXC09H3E8**	**WH-SXC12H9E8**	**WH-SXC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	43	43	44	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K. 35 °C)		L/min	25.8	34.4	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3	6	3	9	9
Recommended fuse		A	30 / 30	30 / 30	16 / 16	16 / 16	16 / 16
Recommended cable size. supply 1 / 2		mm	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 / 3 x 1.5	5 x 1.5 / 5 x 1.5	5 x 1.5 / 5 x 1.5
Outdoor unit			**WH-UX09HE5**	**WH-UX12HE5**	**WH-UX09HE8**	**WH-UX12HE8**	**WH-UX16HE8**
Sound power part load	Heat	dB	66	66	65	65	67
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68	68 / 67	69 / 68	72 / 71
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	101	101	108	108	118
Refrigerant (R410A) / CO_2 Eq.		kg / T	2.85 / 5.951	2.85 / 5.951	2.85 / 5.951	2.85 / 5.951	2.90 / 6.055
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	30	30	30	30	30
Pipe length for additional gas		m	10	10	10	10	10
Additional gas amount		g/m	50	50	50	50	50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20
Kit Price		**£**	**3772**	**4726**	**POA**	**POA**	**6267**
Indoor unit Price		£	1831	2022	POA	POA	2616
Outdoor unit Price		£	1941	2704	POA	POA	3651
MCS Accredited Product			**YES**	**YES**	**NO**	**NO**	**YES**

Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
CZ-NV1	3 way valve kit for inside of hydrokit	**224**
PAW-BTANK50L-2	Buffer tank 50L	**199**

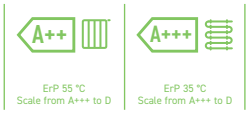
Accessories		Price £
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).

A++ ErP 55°C | A+++ ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | -20°C CONSTANT HEATING T-CAP | 60°C OUTPUT WATER FLOW TEMPERATURE | DHW | -28°C HEATING MODE | WATER FILTER | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | OPTIONAL WLAN | BMS CONNECTIVITY

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.

GOOD DESIGN



CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea T-CAP Bi-bloc H Generation Three Phase. Super Quiet outdoor unit. Heating and Cooling - SQC • R410A refrigerant

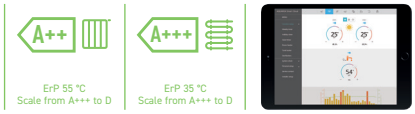
			Three Phase (Power to indoor)		
Kit			**KIT-WQC09H3E8**	**KIT-WQC12H9E8**	**KIT-WQC16H9E8**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	9.00 / 4.84	12.00 / 4.74	16.00 / 4.28
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	9.00 / 2.94	12.00 / 2.88	16.00 / 2.71
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	9.00 / 3.59	12.00 / 3.44	16.00 / 3.10
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	9.00 / 2.21	12.00 / 2.19	16.00 / 2.13
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	9.00 / 2.85	12.00 / 2.72	16.00 / 2.49
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	9.00 / 2.02	12.00 / 1.92	16.00 / 1.86
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	7.00 / 3.17	10.00 / 2.81	12.20 / 2.57
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	7.00 / 5.19	10.00 / 5.13	12.20 / 3.49
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	181 / 130	170 / 130	160 / 125
		SCOP	4.60 / 3.33	4.33 / 3.33	4.08 / 3.20
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	235 / 158	231 / 158	231 / 159
		SCOP	5.95 / 4.03	5.85 / 4.03	5.85 / 4.05
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	160 / 125	160 / 125	150 / 125
		SCOP	4.08 / 3.20	4.08 / 3.20	3.83 / 3.20
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++
Indoor unit			**WH-SQC09H3E8**	**WH-SQC12H9E8**	**WH-SQC16H9E8**
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	44	45
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K. 35 °C)		L/min	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3	9	9
Recommended fuse		A	15 / 30	15 / 30	15 / 30
Recommended cable size. supply 1 / 2		mm	5 x 1.5 / 3 x 1.5	5 x 1.5 / 5 x 1.5	5 x 1.5 / 5 x 1.5
Outdoor unit			**WH-UQ09HE8**	**WH-UQ12HE8**	**WH-UQ16HE8**
Sound power part load	Heat	dB	58	58	62
Sound power full load	Heat / Cool	dB	61 / 63	62 / 64	65 / 68
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	151	151	161
Refrigerant (R410A) / CO_2 Eq.		kg / T	2.85 / 5.951	2.85 / 5.951	2.99 / 6.243
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9.52) / 5/8(15.88)	3/8(9.52) / 5/8(15.88)	3/8(9.52) / 5/8(15.88)
Pipe length range		m	3~30	3~30	3~30
Elevation difference (in/out)		m	20	20	20
Pipe length for additional gas		m	10	10	10
Additional gas amount		g/m	50	50	50
Operation range	Outdoor ambient	°C	-28~+35	-28~+35	-28~+35
Water outlet	Heat / Cool	°C	20-60 / 5-20	20-60 / 5-20	20-60 / 5-20
Kit Price		**£**	**POA**	**POA**	**POA**
Indoor unit Price		£	POA	POA	POA
Outdoor unit Price		£	POA	POA	POA
MCS Accredited Product			**NO**	**NO**	**NO**

Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
CZ-NV1	3 way valve kit for inside of hydrokit	**224**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		Price £
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
CZ-NS4P	Additional functions PCB	**129**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).

INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units All in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.



CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea High Performance Mono-bloc H Generation Single Phase. Heating and Cooling - MDC • R410A refrigerant

			Single Phase Heating and Cooling				
Outdoor unit			**WH-MDC05H3E5**	**WH-MDC07H3E5**	**WH-MDC09H3E5**	**WH-MDC12H6E5**	**WH-MDC16H6E5**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	5.00 / 5.08	7.00 / 4.52	9.00 / 4.29	12.00 / 4.74	16.00 / 4.28
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	5.00 / 2.84	7.00 / 2.83	9.00 / 2.72	12.00 / 2.93	14.50 / 2.72
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	4.80 / 3.36	6.60 / 3.30	6.80 / 3.18	11.40 / 3.44	13.00 / 3.28
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	4.00 / 2.33	6.30 / 2.22	6.30 / 2.13	9.10 / 2.23	9.80 / 2.21
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	4.70 / 2.85	5.50 / 2.70	6.40 / 2.60	10.00 / 2.73	11.40 / 2.57
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	4.30 / 1.89	5.00 / 1.82	5.80 / 1.78	8.20 / 1.95	9.00 / 1.84
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	4.50 / 3.28	6.00 / 2.78	7.00 / 2.60	10.00 / 2.81	12.20 / 2.56
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	5.10 / 5.10	6.00 / 3.87	7.00 / 3.59	10.00 / 4.65	12.20 / 4.12
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	199 / 139	190 / 130	190 / 130	190 / 134	190 / 130
		SCOP	5.05 / 3.55	4.83 / 3.33	4.83 / 3.33	4.83 / 3.43	4.83 / 3.33
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	237 / 161	225 / 160	225 / 160	245 / 159	245 / 169
		SCOP	6.00 / 4.10	5.70 / 4.08	5.70 / 4.08	6.20 / 4.05	6.20 / 4.30
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	160 / 115	160 / 115	160 / 115	168 / 121	168 / 121
		SCOP	4.08 / 2.95	4.08 / 2.95	4.08 / 2.95	4.28 / 3.10	4.28 / 3.10
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Sound power partial load	Heat	dB	55	59	59	65	65
Sound power full load	Heat / Cool	dB	65 / 65	68 / 66	69 / 67	69 / 68	72 / 72
Dimension	H x W x D	mm	865 x 1283 x 320	865 x 1283 x 320	865 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	94	104	104	140	140
Refrigerant (R410A) / CO_2 Eq. [1]		kg / T	1.30 / 2714	1.35 / 2819	1.35 / 2819	2.10 / 4.385	2.10 / 4.385
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	34 / 96	36 / 100	39 / 108	34 / 110	38 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	14.3	20.1	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3	3	3	6	6
Input Power	Heat	kW	0.985	1.55	2.10	2.53	3.74
	Cool	kW	1.37	2.16	2.69	3.56	4.76
Running and Starting current	Heat	A	4.7	7.2	9.6	11.7	16.9
	Cool	A	6.3	9.9	12.2	16.2	21.5
Current 1		A	13.0	21.0	22.9	24.0	26.0
Current 2		A	13.0	13.0	13.0	26.0	26.0
Recommended fuse		A	30 / 15	30 / 15	30 / 16	30 / 30	30 / 30
Recommended cable size. supply 1 / 2		mm²	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	20 ~ 55	20 ~ 55	20 ~ 55	25 ~ 55	25 ~ 55
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20
Outdoor unit Price		**£**	**2271**	**2538**	**3234**	**4166**	**4851**
MCS Accredited Product			**YES**	**YES**	**YES**	**YES**	**YES**

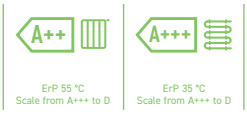
Accessories		**Price £**
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		**Price £**
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).
1) WH-MDC models are hermetically sealed.

INTERNET CONTROL: Optional.

011-1W0206
For WH-MXC09H3E5 and WH-MXC12H6E5)



CZ-TAW1
Cloud connection.
For user control and installer remote maintenance.

Aquarea T-CAP Mono-bloc H Generation Single Phase / Three Phase. Heating and Cooling - MXC • R410A refrigerant

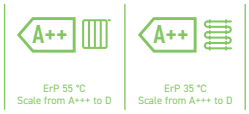
			Single Phase		Three Phase		
Outdoor unit			**WH-MXC09H3E5**	**WH-MXC12H6E5**	**WH-MXC09H3E8**	**WH-MXC12H9E8**	**WH-MXC16H9E8**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	9.00 / 4.84	12.00 / 4.74	9.00 / 4.84	12.00 / 4.74	16.00 / 4.28
Heating capacity / COP (A +7 °C. W 55 °C)		kW / COP	9.00 / 2.94	12.00 / 2.88	9.00 / 2.94	12.00 / 2.88	16.00 / 2.71
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	9.00 / 3.59	12.00 / 3.44	9.00 / 3.59	12.00 / 3.44	16.00 / 3.10
Heating capacity / COP (A +2 °C. W 55 °C)		kW / COP	9.00 / 2.21	12.00 / 2.19	9.00 / 2.21	12.00 / 2.19	16.00 / 2.13
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	9.00 / 2.85	12.00 / 2.72	9.00 / 2.85	12.00 / 2.72	16.00 / 2.49
Heating capacity / COP (A -7 °C. W 55 °C)		kW / COP	9.00 / 2.02	12.00 / 1.92	9.00 / 2.02	12.00 / 1.92	16.00 / 1.86
Cooling capacity / EER (A 35 °C. W 7 °C)		kW / EER	7.00 / 3.17	10.00 / 2.81	7.00 / 3.17	10.00 / 2.81	12.20 / 2.56
Cooling capacity / EER (A 35 °C. W 18 °C)		kW / EER	7.00 / 5.19	10.00 / 5.13	7.00 / 5.19	10.00 / 5.13	12.20 / 3.49
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	181 / 130	170 / 130	181 / 130	170 / 130	160 / 125
		SCOP	4.60 / 3.33	4.33 / 3.33	4.60 / 3.33	4.33 / 3.33	4.08 / 3.20
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A++	A++ / A++	A+++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	235 / 158	231 / 158	235 / 158	231 / 158	231 / 159
		SCOP	5.95 / 4.03	5.85 / 4.03	5.95 / 4.03	5.85 / 4.03	5.85 / 4.05
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	160 / 125	160 / 125	160 / 125	160 / 125	150 / 125
		SCOP	4.08 / 3.20	4.08 / 3.20	4.08 / 3.20	4.08 / 3.20	3.83 / 3.20
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Sound power partial load	Heat	dB	65	65	65	65	66
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68	68 / 67	69 / 68	72 / 71
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	142	142	151	151	164
Refrigerant (R410A) / CO_2 Eq. [1]		kg / T	2.30 / 4.802	2.30 / 4.802	2.30 / 4.802	2.30 / 4.802	2.35 / 4.907
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110	32 / 102	34 / 110	38 / 120
Heating water flow (ΔT=5 K. 35 °C)		L/min	25.8	34.4	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3	6	3	9	9
Input Power	Heat	kW	1.86	2.53	1.86	2.53	3.74
	Cool	kW	2.21	3.56	2.21	3.56	4.76
Running and Starting current	Heat	A	8.8	11.7	3.0	4.0	5.7
	Cool	A	10.4	16.5	3.5	5.3	7.1
Current 1		A	29.0	29.0	14.7	11.9	15.5
Current 2		A	13.0	26.0	13.0	13.0	13.0
Recommended fuse		A	30 / 30	30 / 30	16 / 16	16 / 16	16 / 16
Recommended cable size. supply 1 / 2		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 / 3 x 1.5	5 x 1.5 / 5 x 1.5	5 x 1.5 / 5 x 1.5
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20
Outdoor unit Price		**£**	**4059**	**5077**	**POA**	**POA**	**6758**
MCS Accredited Product			**YES**	**YES**	**NO**	**NO**	**YES**

Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		Price £
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	**144**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).
1) WH-MXC models are hermetically sealed.

INTERNET CONTROL: Optional.



Aquarea HT Bi-bloc F Generation Single Phase / Three Phase. Heating Only - SHF • R407C refrigerant

			Single Phase (Power to indoor)		Three Phase (Power to indoor)	
Kit			**KIT-WHF09F3E5**	**KIT-WHF12F6E5**	**KIT-WHF09F3E8**	**KIT-WHF12F9E8**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	9.00 / 4.64	12.00 / 4.46	9.00 / 4.64	12.00 / 4.46
Heating capacity / COP (A +7 °C. W 65 °C)		kW / COP	9.00 / 2.48	12.00 / 2.41	9.00 / 2.48	12.00 / 2.41
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	9.00 / 3.45	12.00 / 3.26	9.00 / 3.45	12.00 / 3.26
Heating capacity / COP (A +2 °C. W 65 °C)		kW / COP	9.00 / 2.06	10.30 / 2.01	9.00 / 2.06	10.30 / 2.01
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	9.00 / 2.74	12.00 / 2.52	9.00 / 2.74	12.00 / 2.52
Heating capacity / COP (A -7 °C. W 65 °C)		kW / COP	9.00 / 1.79	9.60 / 1.77	9.00 / 1.79	9.60 / 1.77
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	153 / 125	150 / 125	153 / 125	150 / 125
		SCOP	3.90 / 3.20	3.83 / 3.20	3.90 / 3.20	3.83 / 3.20
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	191 / 156	188 / 156	191 / 156	188 / 156
		SCOP	4.85 / 3.98	4.78 / 3.98	4.85 / 3.98	4.78 / 3.98
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	137 / 116	134 / 113	137 / 116	134 / 113
		SCOP	3.50 / 2.98	3.43 / 2.90	3.50 / 2.98	3.43 / 2.90
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A+ / A+	A+ / A+	A+ / A+	A+ / A+
Indoor unit			**WH-SHF09F3E5**	**WH-SHF12F6E5**	**WH-SHF09F3E8**	**WH-SHF12F9E8**
Sound pressure		dB(A)	33	33	33	33
Dimension	H x W x D	mm	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353
Net weight		kg	46	47	47	48
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		7	7	7	7
	Input power (Min / Max)	W	38 / 100	40 / 106	38 / 100	40 / 106
Heating water flow (ΔT=5 K. 35 °C)		L/min	25.8	34.4	25.8	34.4
Capacity of integrated electric heater		kW	3	6	3	9
Recommended fuse		A	30 / 30	30 / 30	30 / 16	30 / 16
Recommended cable size. supply 1 / 2		mm	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 / 3 x 1.5	5 x 1.5 / 5 x 1.5
Outdoor unit			**WH-UH09FE5**	**WH-UH12FE5**	**WH-UH09FE8**	**WH-UH12FE8**
Sound power part load		dB	–	–	–	–
Sound power full load		dB	66	67	66	67
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	104	104	110	110
Refrigerant (R407C) / CO_2 Eq.		kg / T	2.90 / 5.145	2.90 / 5.145	2.90 / 5.145	2.90 / 5.145
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	20	20	20	20
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	70	70	70	70
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	25 ~ 65	25 ~ 65	25 ~ 65	25 ~ 65
Kit Price		**£**	**3610**	**4507**	**POA**	**POA**
Indoor unit Price		**£**	1652	1910	POA	POA
Outdoor unit Price		**£**	1958	2597	POA	POA
MCS Accredited Product			**YES**	**YES**	**NO**	**NO**

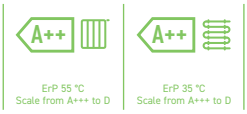
Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**

Accessories		Price £
PAW-BTANK50L-2	Buffer tank 50L	**199**
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).

INTERNET CONTROL: Optional.



Aquarea HT Mono-bloc G Generation Single Phase. Heating Only - MHF • R407C refrigerant

			Single Phase	
Outdoor unit			**WH-MHF09G3E5**	**WH-MHF12G6E5**
Heating capacity / COP (A +7 °C. W 35 °C)		kW / COP	9.00 / 4.64	12.00 / 4.46
Heating capacity / COP (A +7 °C. W 65 °C)		kW / COP	9.00 / 2.48	12.00 / 2.41
Heating capacity / COP (A +2 °C. W 35 °C)		kW / COP	9.00 / 3.45	12.00 / 3.26
Heating capacity / COP (A +2 °C. W 65 °C)		kW / COP	9.00 / 2.06	10.30 / 2.01
Heating capacity / COP (A -7 °C. W 35 °C)		kW / COP	9.00 / 2.74	12.00 / 2.52
Heating capacity / COP (A -7 °C. W 65 °C)		kW / COP	9.00 / 1.79	9.60 / 1.77
Seasonal energy efficiency - Heating Average Climate (W35 °C / W55 °C)		ETA %	153 / 125	150 / 125
		SCOP	3.90 / 3.20	3.83 / 3.20
Energy Class Heating Average Climate (W35 °C / W55 °C)		A+++ to D	A++ / A++	A++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35 °C / W55 °C)		ETA %	191 / 156	188 / 156
		SCOP	4.85 / 3.98	4.78 / 3.98
Energy Class Heating Warm Climate (W35 °C / W55 °C)		A+++ to D	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35 °C / W55 °C)		ETA %	137 / 116	134 / 113
		SCOP	3.50 / 2.98	3.43 / 2.90
Energy Class Heating Cold Climate (W35 °C / W55 °C)		A+++ to D	A+ / A+	A+ / A+
Sound power part load		dB	—	—
Sound power full load		dB	68	69
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	151	151
Refrigerant (R407C) / CO_2 Eq. [1]		kg / T	1.92 / 3.406	1.92 / 3.406
Water pipe connector		Inch	R 1¼	R 1¼
Pump	Number of speeds		7	7
	Input power (Min / Max)	W	—	—
Heating water flow (ΔT=5 K. 35 °C)		L/min	25.8	34.4
Capacity of integrated electric heater		kW	3	6
Input Power		kW	1.94	2.69
Running and Starting current		A	9.3	12.8
Current 1		A	28.5	29.0
Current 2		A	13.0	26.0
Recommended fuse		A	30 / 30	30 / 30
Recommended cable size. supply 1 / 2		mm²	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	25 ~ 65	25 ~ 65
Outdoor unit Price		**£**	**3889**	**4862**
MCS Accredited Product			**YES (35°C to 65°C)**	**YES (35°C to 65°C)**

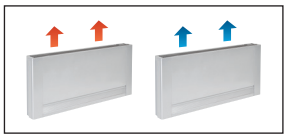
Accessories		Price £
PAW-TD20C1E5-UK	Tank 200L - Stainless steel, with tank sensor	**814**
PAW-TD30C1E5-UK	Tank 300L - Stainless steel, with tank sensor	**1050**
PAW-G3KIT	G3 compliant kit (Must be ordered with above tanks)	**107**
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
PAW-BTANK50L-2	Buffer tank 50L	**199**

Accessories		Price £
PAW-A2W-RTWIRED	Room thermostat	**80**
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat	**134**

EER and COP calculation is based in accordance to EN14511. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height. Heating sound pressure measured at +7 °C (heating water at 55 °C).
1) WH-MHF models are hermetically sealed.

INTERNET CONTROL: Optional.

Smart fan coils



		PAW-AAIR-200-2			PAW-AAIR-700-2			PAW-AAIR-900-2		
Air flow	**Speed**	**Min**	**Med**	**Max**	**Min**	**Med**	**Max**	**Min**	**Med**	**Max**
Heating mode										
Total heating capacity	W	217,00	470,00	570,00	708,00	1032,00	1188,00	886,00	1420,00	1703,00
Water flow	kg/h	37,30	80,80	98,00	121,80	177,50	204,30	152,40	244,20	292,90
Water pressure drop	kPa	0,40	2,00	2,90	0,30	0,80	1,00	0,50	1,60	2,20
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00
Outlet air temperature	°C	38,90	32,00	30,00	33,30	31,80	30,60	30,20	31,10	30,60
Cooling mode										
Total cooling capacity	W	237,00	345,00	555,00	756,00	1039,00	1204,00	1153,00	1518,00	1746,00
Sensible cooling capacity	W	230,00	314,00	504,00	646,00	903,00	1058,00	1061,00	1384,00	1598,00
Water flow	kg/h	40,00	59,00	95,00	129,00	178,00	207,00	198,00	261,00	300,00
Water pressure drop	kPa	0,40	2,00	2,90	1,00	2,00	2,00	6,00	9,00	12,00
Inlet water temperature	°C	10	10	10	10	10	10	10	10	10
Outlet water temperature	°C	15	15	15	15	15	15	15	15	15
Inlet air temperature	°C	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00
Outlet air temperature	°C	15,00	17,00	18,00	14,00	16,00	17,00	16,00	17,00	18,00
Relative humidity of inlet air	%	47	47	47	47	47	47	47	47	47
Air flow	m³/min	0,90	1,90	2,70	2,60	4,20	5,30	4,10	6,10	7,70
Maximum input power	W	7,00	9,00	13,00	14,00	18,00	22,00	16,00	20,00	24,00
Sound pressure	dB(A)	23	33	40	24	36	42	25	36	44
Dimension (H x W x D)	mm		735 x 579 x 129			935 x 579 x 129			1135 x 579 x 129	
Net weight	kg		17			20			23	
3 Ways valve included			Yes			Yes			Yes	
Touch screen thermostat			Yes			Yes			Yes	
Price	**£**		**590**			**639**			**765**	

* Smart fan coils is produced by Innova.

Accessories		Price £
PAW-AAIR-LEGS-1	Kits of 2 legs to support the Smart fan coil on the floor and to protect the water pipings	**45**

Accessories		Price £
PAW-AAIR-RHCABLE	Motor connection cable for units with hydraulic connections on the right	**20**

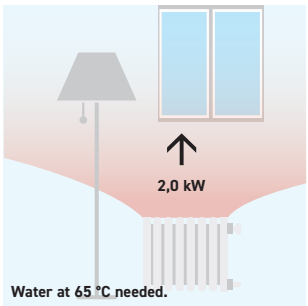
Stylish Floor-standing fan coils with advanced controller

The slimline of Smart fan coils delivers high efficiency climate control.

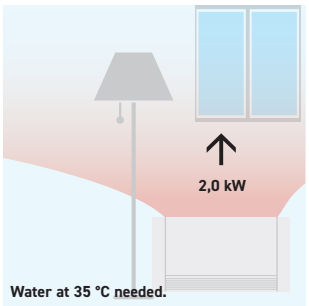
With a depth of just under 13cm they are at the cutting edge of the market. Blending easily into the home, Smart fan coil's elegant design and product refinements are clear to see in every detail.

Exceptional ventilation efficiency means the motor uses considerably less energy (low wattage). The fan speed is continuously modulated by the temperature controller with proportional integral logic, with undoubted advantages for regulating the temperature and humidity in summer mode.

With standard cast radiators.



With Smart fan coil.



Technical focus:

- High heating capacity
- 3 fan speeds and capacities
- Exclusive design
- Extremely compact (only 12,9cm deep)
- Cooling and dehumidification functions possible (drain is needed)
- 3-way valve included (no overflow valve needed on the installation if more than 3 units installed)
- Touch screen thermostat

All temperature curves and capacity are available on www.panasonicproclub.com

Fan coils

PAW-FC-903TC
Optional Controller.
Wired remote controller.

PAW-FC-RC1
Optional Controller.
Advanced wired remote controller.

			Compact units								High Static Pressure
Left side connection			**PAW-FC-D11-1**	**PAW-FC-D15-1**	**PAW-FC-D24-1**	**PAW-FC-D28-1**	**PAW-FC-D40-1**	**PAW-FC-D55-1**	**PAW-FC-D65-1**	**PAW-FC-D90-1**	**PAW-FC-H150**
Right side connection			**PAW-FC-D11-1-R**	**PAW-FC-D15-1-R**	**PAW-FC-D24-1-R**	**PAW-FC-D28-1-R**	**PAW-FC-D40-1-R**	**PAW-FC-D55-1-R**	**PAW-FC-D65-1-R**	**PAW-FC-D90-1-R**	**PAW-FC-H150-R**
Total cooling capacity [1]	Med / S-Hi	kW	1.0 / 1.5	1.2 / 1.7	2.0 / 2.5	2.4 / 3.2	3.2 / 4.6	4.6 / 5.8	6.1 / 7.3	6.1 / 8.1	11.9 / 14.8
Sensible cooling capacity [1]	Med / S-Hi	kW	0.8 / 1.1	0.9 / 1.3	1.5 / 1.9	1.8 / 2.3	2.2 / 3.3	3.3 / 4.5	4.3 / 5.1	4.6 / 6.3	9.6 / 12.9
Heating capacity [1]	Med / S-Hi	kW	1.4 / 2.0	1.5 / 2.2	2.4 / 3.1	2.9 / 4.0	4.1 / 5.7	5.3 / 7.1	7.9 / 9.3	8.1 / 11.6	14.9 / 19.9
Power consumption	S-Lo / Med / S-Hi	W	13 / 24 / 36	10 / 18 / 29	16 / 37 / 45	15 / 37 / 56	28 / 55 / 72	37 / 75 / 105	53 / 100 / 147	90 / 112 / 188	180 / 421 / 675
Fuse rating		A	2	2	2	2	2	2	2	2	6
Dimensions [2]	H x W x D	mm	220 x 570 x 430	220 x 570 x 430	220 x 753 x 430	220x938x430	220x1122x430	220x1307x430	220x1121x530	220x1316x530	376x1600x798
Weight [3]		kg	13	13	15	20	22	26	27	38	63
Sound power global	S-Lo / Med / S-Hi	dB(A)	33 / 40 / 49	31 / 43 / 50	30 / 45 / 52	30 / 44 / 51	34 / 46 / 56	38 / 51 / 58	43 / 56 / 61	50 / 55 / 64	52 / 64 / 71
Sound pressure global	S-Lo / Med / S-Hi	dB(A)	24 / 31 / 40	22 / 34 / 41	21 / 36 / 43	21 / 35 / 42	25 / 37 / 47	29 / 42 / 49	34 / 47 / 52	41 / 46 /55	31 / 45 / 51
Static pressure	Max	Pa	30	30	50	50	70	70	70	70	110
Air flow [1]	Med / S-Hi	m³/h	190 / 283	179 / 265	274 / 390	357 / 499	486 / 716	640 / 933	893 / 1064	936 / 1397	2112 / 3176
Water pressure drop	Med / S-Hi	kPa	19.5 / 39.2	3.9 / 6.3	19.3 / 28.8	17.1 / 28	22.8 / 46.9	37.4 / 60.2	15.4 / 21.5	19.3 / 32.5	19.8 / 26.1
Fan speeds			3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds
Fan motor and number of speeds			AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds
Drain pan and air filter			Included	Included	Included	Included	Included	Included	Included	Included	Included
Water connections		Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1
Price		**£**	**224**	**235**	**245**	**296**	**316**	**347**	**377**	**541**	**724**

Accessories		Price £
PAW-FC-RC1	Advanced wired remote controller for fan coil	**77**
PAW-FC-903TC	**NEW** Wired remote controller for fan coil	**70**
PAW-FC-2WY-11/55-1	2 way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)	**54**
PAW-FC-2WY-65/90-1	2 way valve + drain pan (for PAW-FC-D65/90-1)	**62**

Accessories		Price £
PAW-FC-2WY-150	2 way valve (for PAW-FC-H150)	**133**
PAW-FC-3WY-11/55-1	3 way valve + drain pan (for PAW-FC-D11/15/24/28/40/55-1)	**80**
PAW-FC-3WY-65/90-1	3 way valve + drain pan (for PAW-FC-D65/90-1)	**91**
PAW-FC-3WY-150	3 way valve (for PAW-FC-H150)	**173**

1) Air flow and capacity at 0 Pa of static pressure. 2) Including pan and electrical box. 3) Without water content. * Performances based on: Cooling: Air: 27 °C DB / 19 °C WB, Chilled water: 7 °C / 12 °C - Heating: Air: 20 °C DB, Hot water: 50 °C / 45 °C. ** Fan coil units are produced by Systemair.

Range of fan coil units

Easy to install, improved sound level and performance. The fan coil range consists of a compact ducted range ideal for residential and commercial use and one model with high static pressure for commercial applications. All units are certified by Eurovent, include drain pan and filter and are equipped with a low consumption fan motor.
The D type is even more flexible thanks to an L-shaped drain pan. The unit can be installed either in a horizontal or in a vertical position.

1 Innovation for an optimum comfort

3 Efficient high-quality coil

2 Low energy consumption fan

4 Flexible installation: vertical or horizontal

Fan coil controller PAW-FC-RC1

This advanced controller provides a higher level of comfort in heating. The sensor can be used as a water flow sensor, stopping the fan when the water temperature is low, avoiding cold drafts in winter.
Also is ready to use J Generation feature of defrost mode and stop the fan coil.

Features:
- Room thermostat
- 3 outputs, 230 V relays for fan control
- 2 outputs, 230 V relays for heating / cooling control
- Modbus RTU slave
- 1 DI for presence detection (key card switch)
- 1 AI for sensor

Sanitary Tanks

Stainless Steel Tank.

Model		PAW-TD20C1E5-UK	PAW-TD30C1E5-UK
Water volume	L	192	280
Maximum water temperature	°C	75	75
Dimensions (Hight / Diameter)	mm	1270 / 595	1750 / 595
Weight / filled with water	kg	53 / —	65 / —
Electric heater	kW	1,50	1,50
Power supply	V	230	230
Material inside tank		Stainless steel	Stainless steel
Exchange surface	m²	1,8	1,8
Energy loss at 65 °C [1)]	kWh/24h	0,99	1,13
3 way valve accessory PAW-3WYVLV-HW or CZ-NV1		Optional	Optional
20 m temperature sensor cable included		Yes	Yes
Energy losses	W	42	46
Energy Efficiency Class (from A+ to F)		**A**	**A**
Warranty		2 Years	2 Years
Maintenance required		No	No
List Price (excludes PAW-G3KIT)	**£**	**814**	**1050**
List Price PAW-G3KIT (must be ordered with this tank)	**£**	**107**	**107**
Total List Price (Tank + G3-KIT)	**£**	**921**	**1157**

1) Insulated tested under EN12897. ** Stainless Steel Tanks and Buffer Tank are produced by OSO.

NEW Buffer tank.

Model		PAW-BTANK50L-2
Capacity	L	48
Energy losses	W	42
Energy Efficiency Class (from A+ to F)		**B**
Material		Stainless Steel
Dimensions (Hight / Diameter)	mm	636 / 430
Net weight	kg	—
Price	**£**	**199**

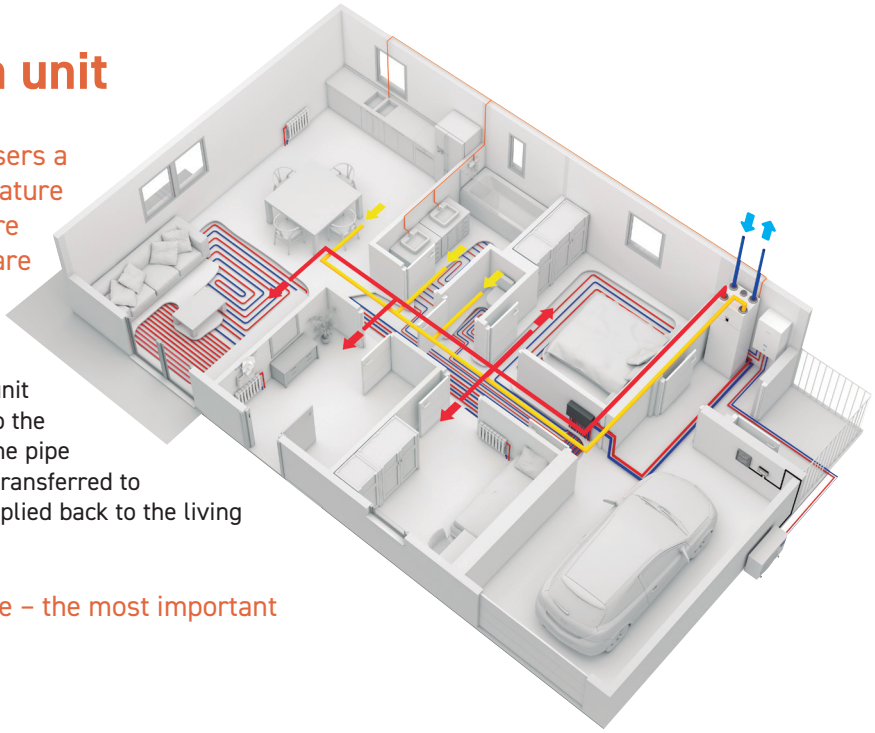
* Automatic air vent and drain cock are included. Built-in pocket sensor (sensor not included).

Accessories for Sanitary tanks

		Price £
PAW-3WYVLV-HW	3 way valve for DHW Tanks	**131**
CZ-NV1	3 way valve kit for inside the hydrokit	**224**

Heat Recovery Ventilation unit

Ventilation systems with heat recovery offer users a high degree of living comfort thanks to temperature controlled and clean air. Heat recovery units are ideal for use in houses, for these owners who are looking for high performance and maximum comfort.



With an optimum exchange program, the ventilation unit guides air extracted from the kitchen and bathroom to the outside. Fresh outdoor air is drawn into the unit via the pipe system. Here 84 % of the heat from the extract air is transferred to the supply air via a heat exchanger, which is then supplied back to the living and sleeping quarters.

A perfect exchange and a perfect indoor climate – the most important advantages of units with heat recovery.

· Thermal comfort
· Lower heating requirement
· Lower ventilation heat losses
· Preheating of the supply air
· Considerable energy saving potential

Main features:

· Heat recovery unit designed for ventilated areas up to approximately 140 m².
· High energy-efficiency rotary heat exchanger with EC - technology fans
· Moisture transfer function to minimize condensation in supply air during wintertime
· Control via touch display and Startup Wizard for easy commissioning
· Modbus communication via RS-485
· Option to control Aquarea H and J series heat pumps from PAW-A2W-VENTA control panel if both units are connected via Modbus interface (PAW-AW-MBS-H and PAW-VEN-ACCPCB required)

The built in humidity sensor in extract air can be used for demand control.

Control

All settings and features accessible via a control panel, integrated into the front cover.
· Color touch screen with a user-friendly interface
· The option for connecting one or more external control panels is available
· Separate user level for authorised installers and service personnel
· MANUAL and AUTO mode or choose preferred settings from the pre-configured user modes
· If Aquarea H and J series heat pumps are connected with PAW-A2W-VENTA, the heat pump control options will appear on the home screen in a separate tab

The unit can be mounted on a PAW-TA20C1E5C, on a WH-ADC0309J3E5UKUK or installed on the wall (PAW-VEN-WBRK is needed).

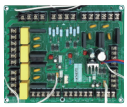
Heat Recovery Ventilation unit		**PAW-A2W-VENTA-R**	**PAW-A2W-VENTA-L**
Nominal air flow rate	m³/h	204 @ 50 Pa	
Maximum air flow rate	m³/h	292 @ 100 Pa	
SPF		1,24 @ 204 m³/h	
Heat exchanger rotor drive type		Variable speed	
Exchanger type		Rotating	
Heat recovery efficiency		84 %	
Power supply	V / Hz	230 / 50 / 1 phase	
Power consumption	W	176	
Energy Class, basic unit		**A**	
Energy Class, unit with local control on demand		**A**	
Noise level	dB	38	
Dimensions (W x H x D)	mm	598 x 450 x 500	
Weight	kg	46	
Mounting position		Vertical	
Supply side		Right	Left
Duct connections	mm	DN125	
Filter class, supply air		F7/ePM1 60 %	
Filter class, extract air		M5/ePM10 50 %	
Minimum outdoor temperature	°C	-20	
Price	**£**	**1632**	

* Heat recovery efficiency according to EN 13141-7.
SAP Product Characteristics Database listing is pending

Accessories		**Price £**
PAW-VEN-FLTKIT	Supply and extract filters kit	**44**
PAW-VEN-ACCPCB	Optional PCB for additional functions	**35**
PAW-VEN-DPL	HRV touch control panel. White frame (cable must be ordered separately)	**116**
PAW-VEN-CBLEXT12	Cable with plug for electrical connection between unit and control panel, type CE and CD (12 m)	**21**
PAW-VEN-DIVPLG	Twin plugs for installation of several control panels type CD or CE for one unit	**10**
PAW-VEN-DPLBOX	HRV touch control panel wall-mounted kit	**64**
PAW-VEN-S-CO2RH-W	CO_2 RH wall-mounted sensor	**230**
PAW-VEN-S-CO2-W	CO_2 wall-mounted sensor	**267**
PAW-VEN-S-CO2-D	CO_2 duct sensor	**197**
PAW-VEN-PTC12	1,2 kW PTC heater DN125	**201**
PAW-VEN-PTC08	0,8 kW PTC heater DN125	**191**
PAW-VEN-WBRK	Wall bracket kit for stand alone installation on the wall	**23**

Accessories and Control

Optional PCB's for additional functions



CZ-NS4P 129 £
PCB for advanced functions in J and H Generation.

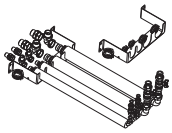
Device accessories

CZ-NE1P 118 £
Base pan heater (for all old Bi-bloc and Mono-bloc, not for the 3 and 5 kW).

CZ-NE2P 118 £
Base pan heater (for Bi-bloc 3 and 5 kW).

CZ-NE3P 118 £
Base pan heater for J and H Generation.

All in One accessories



PAW-ADC-PREKIT-1 281 £
Flexible pipings and wall mounting plate for All in One H Generation.

PAW-ADC-CV150 107 £
Decorative magnetic side cover.

Smart fan coil accessories

PAW-AAIR-LEGS-1 45 £
Kits of 2 legs to support the Smart fan coil on the floor and to protect the water pipings.

PAW-AAIR-RHCABLE 20 £
Motor connection cable for units with hydraulic connections on the right.

Sanitary Tank accessories

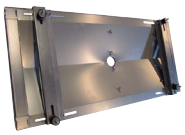
PAW-TS1 27 £
Tank sensor with 6 m cable length.

PAW-TS2 32 £
Tank sensor with 20 m cable length.

PAW-TS4 32 £
Tank sensor with 6 m cable length and only 6 mm diameter.

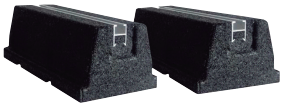
CZ-TK1 56 £
Temperature sensor kit for third party tank (with copper pocket and m length sensor cable).

Special outdoor supports



PAW-WTRAY 117 £
Tray for condenser water compatible with outdoor elevation platform.

PAW-GRDSTD40 117 £
Outdoor elevation platform x x mm.



PAW-GRDBSE20 107 £
Outdoor base ground support for noise and vibration absorption (x x mm, kg).

Hydraulic accessories

CZ-NV1 224 £
 way valve kit for inside the hydrokit.

PAW-3WYVLV-HW 131 £
3 way valve for DHW Tanks.

PAW-A2W-AFVLV 85 £
Anti-freeze valve.

Heat Recovery Ventilation accessories

PAW-VEN-FLTKIT 44 £
Supply and extract filters kit.

PAW-VEN-ACCPCB 35 £
Optional PCB for additional functions.

PAW-VEN-DPL 116 £
HRV touch control panel. White frame (cable must be ordered separately).

PAW-VEN-CBLEXT12 21 £
Cable with plug for electrical connection between unit and control panel, type CE and CD (12 m).

PAW-VEN-DIVPLG 10 £
Twin plugs for installation of several control panels type CD or CE for one unit.

PAW-VEN-DPLBOX 64 £
HRV touch control panel wall-mounted kit.

PAW-VEN-S-CO2RH-W 230 £
CO_2 RH wall-mounted sensor.

PAW-VEN-S-CO2-W 267 £
CO_2 wall-mounted sensor.

PAW-VEN-S-CO2-D 197 £
CO_2 duct sensor.

PAW-VEN-PTC12 201 £
1,2 kW PTC heater DN125.

PAW-VEN-PTC08 191 £
0,8 kW PTC heater DN125.

PAW-VEN-WBRK 23 £
Wall bracket kit for stand alone installation on the wall.

Aquarea Manager accessories

Not compatible with J and H Generation units.

PAW-HPM1 348 £
Aquarea Manager with LCD.

PAW-HPM2 321 £
Aquarea Manager without LCD.

PAW-HPMINT-U 107 £
Interface to connect Aquarea Manager to Heat pump Aquarea Bi-bloc (HPM can control all parameters from HP).

PAW-HPMINT-M 107 £
Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc (HPM can control all parameters from HP).

PAW-HPMINT-F 107 £
Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc and Bi-bloc F type (HPM can control all parameters from HP).

PAW-HPMB1 86 £
Buffer tank sensor.

PAW-HPMDHW 107 £
Buffer tank sensor with well.

PAW-HPMSOL1 86 £
Buffer tank sensor solar (with higher temperature range).

PAW-HPMAH1 86 £
Water flow pipe sensor for heating circuit.

PAW-HPMR4 86 £
Room sensor + set point adaptation.

PAW-HPMED 401 £
Touch screen.

PAW-DEWPOINTSENSOR 86 £
Dew point sensor.

PAW-HPMUH 86 £
Outdoor temperature sensor.

Cascade Controller

PAW-A2W-CMH 989 £
NEW Modbus IP for BMS communication.

Room Thermostats

PAW-AW-RTWIRED 80 £
Wired LCD room thermostat with weekly timer.

PAW-AW-RTWIRELESS 134 £
Wireless LCD room thermostat with weekly timer.

Fan coil Controller

PAW-FC-903TC 70 £
NEW Wired remote controller for fan coil.

PAW-FC-RC1 77 £
Advanced wired remote controller for fan coil.

Connectivity Solutions

CZ-TAW1 144 £
Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN.

CZ-TAW1-CBL 37 £
10 m extension cable for CZ-TAW1.

PAW-AW-KNX-H 536 £
KNX Interface for J and H Generation.

PAW-AW-KNX-1i 536 £
KNX Interface compatible with G and F Generation.

PAW-AW-MBS-H 536 £
Modbus Interface for J and H Generation.

PAW-AW-MBS-1 536 £
Modbus Interface compatible with G and F Generation.

H Generation Sensors

PAW-AW-TSOD 32 £
Outdoor ambient sensor.

PAW-AW-TSRT 32 £
Zone room sensor.

PAW-AW-TSHC 32 £
Zone water sensor.

PAW-AW-TSSO 32 £
Solar sensor.

PAW-AW-TSBU 32 £
Buffer tank sensor.

Energy saving

Better efficiency and Value for medium temperature applications. Energy efficiency class up to A++ in a scale from A+++ to D.

Better efficiency and Value for low temperature applications. Energy efficiency class up to A+++ in a scale from A+++ to D.

Better efficiency and Value for domestic hotwater. Energy efficiency class up to A+ in a scale from A+ to F.

Aquarea are built-in with A class energy efficiency water pump. High efficiency circulating the water in the heating installation.

Our heat pumps containing the new refrigerant R32 show a drastic reduction in the value of Global Warming Potential (GWP). An important step to reduce greenhouse gases. R32 is also a component refrigerant, making it easy to recycle.

Inverter Plus System classification, highlights the highest performing Panasonic systems.

The Inverter range provides greater efficiency and comfort. Provides more precise temperature control, without highs and lows, and keeps the ambient temperature constant with lower energy consumption and a significant reduction in noise and vibration levels.

High performance and healthy air

Aquarea High Performance for low consumption houses. From 3 to 16 kW. For a house with low temperature radiators or under-floor heating, our high performance Aquarea HP is a good solution. *COP of 5,33 for J Generation 3 kW.

Aquarea T-CAP for extremely low temperatures. From 9 to 16 kW. If the most important aspect is to maintain nominal heating capacities even at temperatures as low as -7 °C or -15 °C, select the Aquarea T-CAP.

Aquarea HT ideal for retrofit. From 9 to 12 kW. For a house with traditional high-temperature radiators, the Aquarea HT solution is the most appropriate, can work in output water temperatures of 65 °C even at outdoor temperatures as low as -20 °C.

With Aquarea you can also heat your domestic hot water at a very low cost with the optional hot water cylinder.

Water filter with magnet. Easy access & fast clip technology for J Generation. Water filter only for H Generation.

Water Flow Sensor. Included on J and H Generation.

Fine control helps prevent a rapid decrease in room humidity while maintaining the set temperature. Maintains an RH* up to 10 % higher than cooling operation (*RH: Relative Humidity). Ideal when sleeping with the air conditioner on.

The air conditioner works in cooling only mode with an outdoor temperature of -10 °C.

The air conditioner works in heat pump mode with an outdoor temperature is as low as -15 °C.

High connectivity

Our Aquarea Heat Pumps can be connected to an existing or new boiler for optimum comfort even at very low outdoor temperatures.

For even greater efficiency, our Aquarea Heat Pumps can be connected to photovoltaic solar panels with an optional kit.

New remote controller with full dotted 3,5'' wide back light screen. Menu with 17 available languages easy to use for installer and user. Included on J and H Generation.

Internet control. A next generation system providing user-friendly remote control of air conditioning or heat pump units from everywhere, using a simple Android™ or iOS smartphone, tablet or PC via the internet.

The communication port can be integrated into the indoor unit and provides easy connection to, and control of, your Panasonic heat pump to your home or building management system.

The AC Smart Cloud from Panasonic allows you to have complete control of all your installations. In a simple click, receive status updates from all your units in real-time, preventing breakdowns and optimising costs.

Notes

www.aircon.panasonic.eu

heating & cooling solutions

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.

Panasonic®

To find out how Panasonic cares for you,
log on to www.Panasonic.co.uk/aircon
01344 85 3182
uk-aircon@eu.panasonic.co.uk

Heating & Cooling Solutions
Panasonic Appliances Air Conditioning Europe (PAPAEU)
Panasonic UK, a branch of Panasonic Marketing Europe GmbH
Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT, UK

UK/ES-PLST0220/02