

NEW AQUAREA RANGE

HIGH-EFFICIENCY HEAT  
PUMP TECHNOLOGY  
PRICE LIST 2016 / 2017



**BEST  
GLOBAL  
GREEN  
BRANDS  
2014**

Interbrand | Deloitte

## Panasonic No. 1

### **Interbrand Ranks Panasonic No. 1 in the Electronics Sector for the “Best Global Green Brands 2014”**

Interbrand, the US brand consulting company, announced on June 24, 2014, that Panasonic ranks No. 5 in its Best Global Green Brands 2014. Although a rank lower than last year, the company has come out top in the electronics sector.

2014 marks the fourth year for this global ranking of “green brands.” An Excellent Green Brand is defined as achieving a good balance between Green Perception (consumers’ image of an eco-brand) and Green Performance (a company’s environmental management practices). The top 50 companies are ranked based on these two elements.

#### **Evaluation Points**

Panasonic’s Green Performance was evaluated as being especially high, with excellent marks going to “Products and Services,” “Governance,” and “Transportation and Logistics.”

#### **Interbrand also noted the following points in its evaluation**

**Energy Star Award Recognitions:** Panasonic has received more Energy Star awards than any other consumer electronics manufacturer.

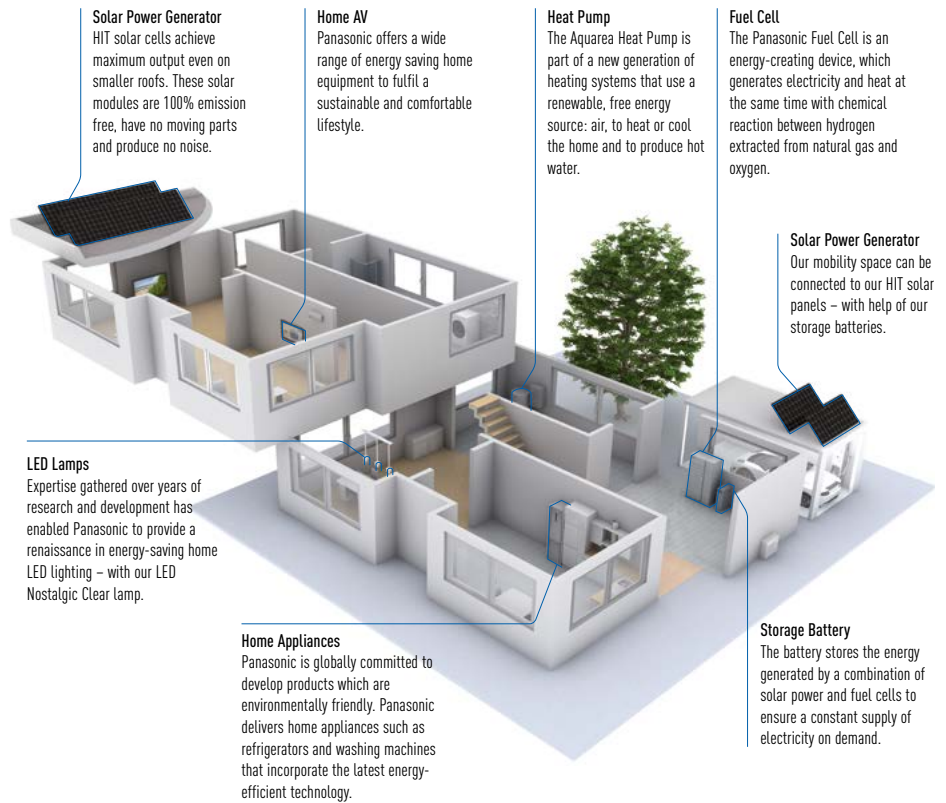
**Achieved a Recycling Rate of 99.3%:** Taking steps toward zero waste, Panasonic achieved a factory waste recycling rate of 99.3% in 2013.

**Improved Water Usage:** In 2013, water usage at factories per basic unit of production improved by 0.7% compared to 2012.

**Econavi Function:** In 2009, Panasonic launched home appliances with the Econavi function, which automatically controls power and water consumption to cut losses by using sensor and other energy efficient technologies.

## We aim to realise a lifestyle with virtually zero CO<sub>2</sub> emissions throughout the entire home

By creating, storing, managing and saving energy, Panasonic aims to realise a lifestyle with virtually zero CO<sub>2</sub> emissions throughout the entire home.



## Exemplary sustainable projects

### What is Smart Electric Lyon?

Smart Electric Lyon is a project that looks at electricity consumption as a key part of the building energy solutions of tomorrow.

This experiment, will be conducted for four years in more than 25,000 homes, businesses and communities of Grand Lyon.

Panasonic will provide the project with a variety of its energy efficient heating and cooling products, including the Aqueara Air Source Heat Pump. These heat pumps are especially equipped with connectivity solutions from Panasonic to ensure the systems are easy to use, and collect the vital, accurate data.

This project is particularly suited for Panasonic, as heating and hot water occupy a prominent place in household energy consumption. The company has involved for the project a dedicated and experienced R&D team from Panasonic's European technical centre in Frankfurt.

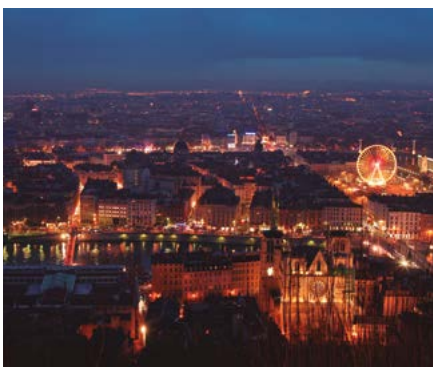


### Fujisawa Sustainable Smart Town Goes Into Full-Scale Operation Near Tokyo

Fujisawa SST Council is a consortium led by Panasonic Corporation spearheading the development of the Fujisawa Sustainable Smart Town (Fujisawa SST). With its core facility supporting sustainable development of the town and its community now coming into operation, the Fujisawa SST is moving from the construction stage into a new stage where the town is nurtured to grow in full-scale into an eco and smart town that puts a high priority on the residents' lifestyles.

The Fujisawa SST Management Company is the town management company located in the SQUARE. Together with partner companies, the

company provides five essential services in the town: energy, security, mobility, healthcare and community. The company will also collect and manage information pertaining to the town's overall environment, energy, security and safety to support an eco and smart life in the town. As a fresh development in the town, the Fujisawa SST has set a detached housing zone for non car owners for the second phase of sales. By using the town's eco-car sharing and rent-a-car services, residents in the zone can enjoy their lifestyles without the need to own a car while reducing economic burden and making effective use of the lot. Preparations are also underway for a new base to provide environmentally-friendly logistic services to the residents.





## Panasonic, recommended by professionals

When choosing an Air Conditioning partner for projects, you need the confidence and the peace of mind that comes from a big brand that will ensure success from any perspective. Panasonic Heating and Cooling Solutions has everything in its favour to fulfill your needs: their experience, their performance and savings, their quality and reliability, their extensive range of solutions, and, of course the fact that they have always been at your side. Panasonic Heating & Cooling solutions is the brand recommend by professionals.

### **Experience**

Panasonic Heating and Cooling Solutions is a world pioneer in research and innovation and has been providing appropriate solutions that deliver maximum user comfort for nearly 60 years, as well as providing support to professionals involved in Installation projects and setups.

### **Performance and savings**

Strongly committed to the environment and energy efficiency, Panasonic Heating and Cooling Solutions offer great performance, which leads to a remarkable reduction in energy bills.



## An extensive range of solutions

From the smallest project to comprehensive installations in large buildings, Panasonic Heating and Cooling Solutions offers the best options on the market, with extensive ranges in air/air or air/water technologies. The key to the success of a project is, often, in the combination of both technologies. Panasonic Heating and Cooling Solutions offers the broadest range of solutions, both for external units and the wide array of indoor units, so the best possible solution is always available.

## Panasonic is offering 7 years warranty

Exclusively to installations carried out by a Panasonic PRO Partner. The process is simple:

1. The installation must be carried out by a Panasonic PRO Partner
2. Commissioning documentation must be submitted via the PRO Club
3. Once the commissioning is approved, the warranty documentation will be automatically generated and sent to the PRO Partner and can then be supplied to the end user
4. The warranty status can be checked at any time via the web at

[www.aircon.panasonic.co.uk/warranty](http://www.aircon.panasonic.co.uk/warranty).

Simply enter the postcode and serial number of the Aquarea Heat Pump

\* Subject to conditions.



## Quality and reliability

Panasonic Heating and Cooling Solutions is also leader in innovation, with over 91,539 patents registered to improve the lives of their users. In total, the company has made over 200 million compressors in its 294 production plants around the world. All of this amounts to the exceptional quality and reliability of Panasonic Air Conditioners being totally guaranteed, allowing them to offer maximum effectiveness, comply to the strictest environmental requirements and adapt to the requirements of the most advanced projects of our times.

## Tech support

Panasonic has an impressive array of Support Services for designers, specifiers, engineers and installers in the Air Conditioning market. A whole organization is at your service, making your job easier, from project to installation, from setup to maintenance.



# AQUAREA

## Panasonic Aquarea Air to Water heat pump

### ENERGY SAVING

**A++**  
ErP 55°C

Better Efficiency & Value. For medium temperature applications. Aquarea systems meets ErP regulation as A++.

**A++**  
ErP 35°C

Better Efficiency & Value. For low temperature applications. Aquarea systems meets ErP regulation as A++.

**A**  
DHW 55°C

Better Efficiency & Value. For low temperature applications. Aquarea systems meets ErP regulation as A.

**A CLASS**  
CIRCULATING PUMP  
AUTO SPEED

Aquarea are built-in with A class water pump. H Generation with auto speed, and F Generation and normal G Generation with 7 speeds.

**INVERTER+**

The A Inverter+ system provides energy savings of up to 30% compared to non Inverter models. Both you, and nature, wins!

### HIGH CONTROL & CONNECTIVITY

**BOILER CONNECTION**

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

**SOLAR KIT**

Solar Kit. For even greater efficiency, our Aquarea heat pumps can be connected to photovoltaic solar panels with an optional kit.

**ADVANCED CONTROL**

New remote control with full dotted 3,5" wide back light screen. Menu with 10 available languages easy to use for installer and user. Included on H Generation.

**INTERNET CONTROL**

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

**BMS CONNECTIVITY**

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

**5 YEARS COMPRESSOR WARRANTY**

5 Years Warranty. We guarantee the outdoor unit compressors in the entire range for five years. Only for PRO partners.

### HIGH PERFORMANCE

**5.08**  
COP  
HIGH PERFORMANCE

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

**-15°C**  
CONSTANT HEATING  
T-CAP

Aquarea T-CAP for extremely low temperatures. From 9 to 12kW. For 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.

**65°C**  
OUTPUT WATER  
HIGH TEMP

Aquarea HT ideal for retrofit. From 9 to 12kW. 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.

**DHW**

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

**-20°C**  
HEATING MODE

Down to -20°C in heating mode. The Heat Pumps work in heat pump mode with an outdoor temperature as low as -20°C.

**WATER FILTER**

Water filter (easy access & fast clip technology) for H Generation.

**STOP VALVE**

Water stop valve included on H Generation.

**FLOW SENSOR**

Water Flow Sensor included on H Generation.

**7 YEAR WARRANTY**

7 years warranty cost option for PRO Partners



SG Ready: Thanks to Aquarea HPM, Aquarea range (Bi-Bloc and Mono-Bloc) is holding the SG Ready Label (Smart Grid Ready Label), given by Bundesverband Wärmepumpe (German Heat Pump Association). This Label shows the real capacity of Aquarea to be connected in an intelligent grid control. MCS certificate number: MCS HP0066.

Not all products certified. As the certification process is on-going and the list of certified products constantly changing, please check for latest details on the official website.

## Aquarea Range Highlights



### **New All in One H Generation**

New All in One solution from 3 to 16kW with 200L tank, A class circulating pump and small foot print. Ideal for new and retrofit homes.



### **New Aquarea H Generation**

Very high energy savings A++, new indoor design and including new touch controller.



### **Mono-Bloc Generation**

With A class circulating pump and the new remote controller to improve performance, enhance comfort and deliver maximum savings.



### **Advanced Controller for H Generation**

Improved visibility & Easy operation by big full-dot LCD panel and large touch panel! Remote controller can be removed from indoor unit and installed in living room.



Modbus®



### **Control and connectivity**

Integrate Aquarea system to any protocol: KNX or Modbus. Or integrate other heating system with Aquarea HPM control and/or control Aquarea from anywhere with Wifi adapter. And new integration to P-Line to connect to PACi or VRF systems.

# Aquarea Heat Pumps Line-Up

## Aquarea All in One Bi-Bloc

**NEW**



High performance	3kW (Single Phase)	5kW (Single Phase)	7kW (Single Phase)	9kW (Single Phase)	12kW (Single Phase)	16kW (Single Phase)
T-CAP				9kW (Single Phase)	12kW (Single Phase)	

## Aquarea Bi-Bloc

**NEW**

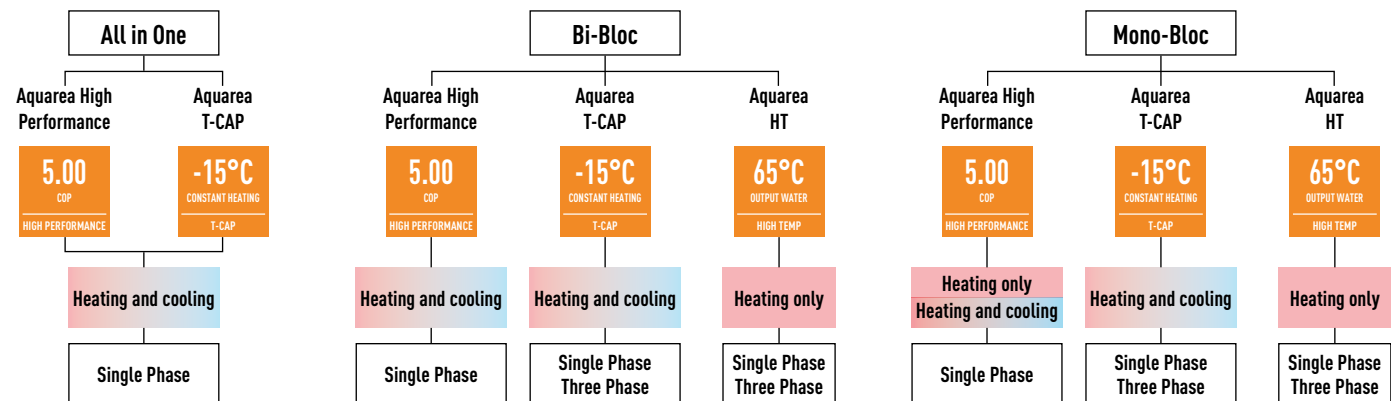


High Performance	3kW (Single Phase)	5kW (Single Phase)	7kW (Single Phase)	9kW (Single Phase)	12kW (Single Phase)	16kW (Single Phase)
T-CAP				9kW (Single, Three Phase)	12kW (Single, Three Phase)	16kW (Three Phase)
Aquarea HT				9kW (Single Phase)	12kW (Single, Three Phase)	

## Aquarea Mono-Bloc



High performance	5kW (Single Phase)	6kW (Single Phase)	9kW (Single Phase)	12kW (Single Phase)	16kW (Single Phase)
T-CAP			9kW (Single, Three Phase)	12kW (Single, Three Phase)	16kW (Three Phase)
AQUAREA HT			9kW (Single Phase)	12kW (Single, Three Phase)	





			3kW	5kW	6kW	7kW	9kW	12kW	16kW
Aquarea High Performance for well insulated houses	All in One	Single Phase	WH-ADC0309G3E5UK WH-UD03EE5UK WH-ADC0309H3E5UK WH-UD03HE5 (F1)	WH-ADC0309G3E5UK WH-UD05EE5 WH-ADC0309H3E5UK WH-UD05HE5 (F1)		WH-ADC0309G3E5UK WH-UD07FE5 WH-ADC0309H3E5UK WH-UD07HE5 (F2)	WH-ADC0309G3E5UK WH-UD09FE5 WH-ADC0309H3E5UK WH-UD09HE5 (F2)	WH-ADC1216G6E5UK WH-UD12FE5 (F3)	WH-ADC1216G6E5UK WH-UD16FE5 (F3)
	Bi-Bloc	Single Phase	WH-SDC03H3E5 WH-UD03HE5 (F4)	WH-SDC05H3E5 WH-UD05HE5 (F4)		WH-SDC07H3E5 WH-UD07HE5 WH-SDC07F3E5 WH-UD07FE5 (F5)	WH-SDC09H3E5 WH-UD09HE5 WH-SDC09F3E5 WH-UD09FE5 (F5)	WH-SDC12F6E5 WH-UD12FE5 (F6)	WH-SDC16F6E5 WH-UD16FE5 (F6)
	Mono-Bloc	Single Phase		WH-MDC05F3E5 (F7)	WH-MDC06G3E5 (F7)		WH-MDC09G3E5 (F7)	WH-MDC12G6E5 (F8)	WH-MDC16G6E5 (F8)
Aquarea T-CAP High Capacity for cold areas	All in One	Single Phase					WH-ADC1216G6E5UK WH-UX09FE5 (F3)	WH-ADC1216G6E5UK WH-UX12FE5 (F3)	
	Bi-Bloc	Single Phase					WH-SXC09F3E5 WH-UX09FE5 (F6)	WH-SXC12F6E5 WH-UX12FE5 (F6)	
	Bi-Bloc	Three Phase					WH-SXC09H3E8 WH-UX09HE8 WH-SXC09F3E8 WH-UX09FE8 (F6)	WH-SXC12H9E8 WH-UX12HE8 WH-SXC12F9E8 WH-UX12FE8 (F6)	WH-SXC16H9E8 WH-UX16HE8 WH-SXC16F9E8 WH-UX16FE8 (F6)
	Mono-Bloc	Single Phase					WH-MXC09G3E5 (F8)	WH-MXC12G6E5 (F8)	
	Mono-Bloc	Three Phase					WH-MXC09G3E8 (F8)	WH-MXC12G9E8 (F8)	WH-MXC16G9E8 (F8)
	Mono-Bloc	Three Phase							
Aquarea HT for retrofit	Bi-Bloc	Single Phase					WH-SHF09F3E5 WH-UH09FE5 (F6)	WH-SHF12F6E5 WH-UH12FE5 (F6)	
	Bi-Bloc	Three Phase						WH-SHF12F9E8 WH-UH12FE8 (F6)	
	Mono-Bloc	Single Phase					WH-MHF09G3E5 (F8)	WH-MHF12G6E5 (F8)	
	Mono-Bloc	Three Phase						WH-MHF12G9E8 (F8)	



SYSTEM HIGH ENERGY SAVINGS  
**A+++**

NEW PANASONIC ALL IN ONE AIR TO WATER HEAT PUMP IS  
**BEST IN TEST**  
2015

## New Aquarea All in One compact and easy to install

### Hydromodule + 200L tank. From 3 to 16kW

Aquarea All in One is the new generation of Panasonic Heat Pumps for Heating, Cooling and Domestic Hot Water (DHW). This new range intelligently integrates the best Hydrokit technology with a premium quality stainless steel tank.

Aquarea All in One H Generation High performance Bi-Bloc Single Phase. Heating and Cooling			TENTATIVE DATA			
Kit			Single Phase (Power to indoor)			
			KIT-ADC03HE5-UK <sup>1</sup>	KIT-ADC05HE5-UK <sup>1</sup>	KIT-ADC07HE5-UK <sup>1</sup>	KIT-ADC09HE5-UK <sup>1</sup>
Heating capacity (A 7 / W 35)	kW		3.20	5.00	7.00	9.00
COP (A 7 / W 35)			5.00	4.63	4.46	4.13
Cooling capacity (A 35 / W 7)	kW		3.20	4.50	6.00	7.00
EER at 35°C (A 35 / W 7)			3.08	2.69	2.63	2.43
Energy Efficiency 35°C / 55°C / 55°C for DHW			A++ / A++ / A			
System label 35°C / 55°C <sup>2</sup>			A+++ / A++			
Indoor Unit			WH-ADC0309H3E5UK			
Sound pressure level	Heating / Cooling	dB(A)	28 / 28			
Dimensions* / Weight*	H x W x D	mm / kg	1,800 x 598 x 717 / 135			
Capacity of integrated electric heater		kW	3			
Recommended Fuse		A	15 / 15		30 / 15	
Recommended cable size, supply 1 & 2		mm <sup>2</sup>	3 x 1.5 / 3 x 1.5		3 x 2.5 / 3 x 1.5	
Water volume		L	185			
Material inside tank			Stainless steel			
Outdoor Unit			WH-UD03HE5	WH-UD05HE5	WH-UD07HE5	WH-UD09HE5
Sound pressure level	Heating / Cooling	dB(A)	48 / 47	49 / 48	50 / 48	51 / 50
Sound power level		dB	64	65	64	65
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39		795 x 900 x 320 / 66	
Refrigerant (R410A)		kg	1.20		1.45	
Pipe diameter	Liquid / Gas	Inch	1/4 / 1/2		1/4 / 5/8	
Pipe length range / Elevation diff (in/out)		m	3 - 15 / 5		3 - 30 / 20	
Pipe length for add gas / Add gas amount		m / g/m	10 / 20		10 / 30	
Operation range	Outdoor ambient	°C	-20 / +35			
Water outlet	Heating / Cooling	°C	25 - 55 / 5 - 20			
Kit Price		€	TBC	TBC	TBC	TBC
Indoor Unit Price		€	TBC	TBC	TBC	TBC
Outdoor Unit Price		€	1,025.00	1,077.00	1,149.00	1,350.00
PAW-G3KIT Price		€	100.00	100.00	100.00	100.00
PAW-ADC-PREKIT Price		€	275.00	275.00	275.00	275.00

Accessories		Price €	Accessories		Price €
PAW-ADC-CV150	Decorative magnetic side cover	100.00	CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN	TBC
CZ-NS4P	Additional functions PCB	120.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00



- A+++ EP 55°C
- A++ EP 35°C
- A EP 35°C
- INVERTER+
- A CLASS CIRCULATING PUMP
- 5.00 COP
- DHW
- HEATING MODE
- AUTO SPEED
- HIGH PERFORMANCE
- STOP VALVE
- HEATING MODE
- ENERGY EFFICIENT
- STOP VALVE
- FLOW SENSOR
- BOILER CONNECTION
- WATER FILTER
- ADVANCED CONTROL
- INTERNET CONTROL
- CONNECTIVITY
- 5 YEARS WARRANTY
- APPROVED PRODUCT

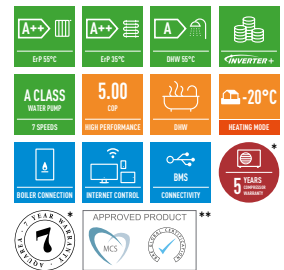
COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. Insulated tested under EN12897. 1) Available in August 2016. 2) System label with controller. \* Tentative values. INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)

## Aquarea All in One

Aquarea All in One High performance Bi-Bloc Single Phase. Heating and Cooling																			
Kit	Single Phase (Power to indoor)																		
	KIT-ADC03GE5-UK	KIT-ADC05GE5-UK	KIT-ADC07GE5-UK	KIT-ADC09GE5-UK	KIT-ADC12GE5-UK	KIT-ADC16GE5-UK													
Heating capacity (A 7 / W 35)	kW							3.20	5.00	7.00	9.00	12.00	16.00						
COP (A 7 / W 35)								5.00	4.63	4.46	4.13	4.74	4.28						
Cooling capacity (A 35 / W 7)	kW							3.20	4.50	6.00	7.00	10.00	12.20						
EER at 35°C (A 35 / W 7)								3.08	2.69	2.63	2.43	2.81	2.56						
Energy Efficiency 35°C / 55°C / 55°C for DHW																			
Indoor Unit								WH-ADC0309G3E5UK				WH-ADC121666E5UK							
Sound pressure level	Heating / Cooling	dB(A)		28 / 28				33 / 33											
Dimensions / Net Weight	H x W x D	1,800 x 598 x 717 / 135				1,800 x 598 x 717 / -													
Capacity of integrated electric heater	kW		3				6												
Recommended Fuse	A		15 / 15				30 / 15												
Recommended cable size, supply 1 & 2	mm <sup>2</sup>		3 x 1.5 / 3 x 1.5				3 x 2.5 / 3 x 1.5												
Water volume	L		185				185												
Material inside tank								Stainless steel											
Outdoor Unit								WH-UD03EE5		WH-UD05EE5		WH-UD07FE5		WH-UD09FE5		WH-UD12FE5		WH-UD16FE5	
Sound pressure level	Heating / Cooling	dB(A)		48 / 47		49 / 48		50 / 48		51 / 50		52 / 50		55 / 54					
Sound power level	Heating	dB		56		58		66		67		64,8		67,2					
Dimensions / Weight	H x W x D	622 x 824 x 298 / 39				795 x 900 x 320 / 66				1,340 x 900 x 320 / 101									
Refrigerant (R410A)	kg		1.20				1.45				2.55								
Pipe diameter	Liquid / Gas	Inch		1/4 / 1/2				1/4 / 5/8				3/8 / 5/8							
Pipe length range / Elevation diff (in/out)	m		3 - 15 / 5				3 - 30 / 20				3 - 30 / 20								
Pipe length for add gas / Add gas amount	m / g/m		10 / 20				10 / 30				10 / 50								
Operation range	Outdoor ambient	°C		-20 / +35															
Water outlet	Heating / Cooling	°C		25 - 55 / 5 - 20															
Kit Price	£		4,091.00		4,142.00		4,165.00		4,365.00		5,502.00		5,809.00						
Indoor Unit Price	£		3,000.00		3,000.00		3,000.00		3,000.00		3,550.00		3,550.00						
Outdoor Unit Price	£		991.00		1,042.00		1,065.00		1,265.00		1,852.00		2,159.00						
PAW-G3KIT Price	£		100.00		100.00		100.00		100.00		100.00		100.00						

Accessories		Price £	Accessories		Price £
PAW-ADC-PREKIT	Pre installation kit for piping	275.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-ADC-CV150	Decorative magnetic side cover	100.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00



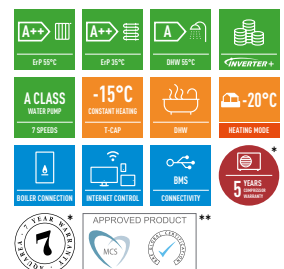
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INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)

Aquarea All in One T-CAP Bi-Bloc Single Phase. Heating and Cooling												
Kit	Single Phase (Power to indoor)											
	KIT-AXC09GE5-UK					KIT-AXC12GE5-UK						
Heating capacity (A 7 / W 35)	kW							9.00	12.00			
COP (A 7 / W 35)								4.84	4.74			
Cooling capacity (A 35 / W 7)	kW							7.00	10.00			
EER at 35°C (A 35 / W 7)								3.17	2.81			
Energy Efficiency 35°C / 55°C / 55°C for DHW												
Indoor Unit								WH-ADC121666E5UK				
Sound pressure level	Heating / Cooling	dB(A)		33 / 33								
Dimensions / Net Weight	H x W x D	1,800 x 598 x 717 / 137										
Capacity of integrated electric heater	kW		6									
Recommended Fuse	A		30 / 30									
Recommended cable size, supply 1 & 2	mm <sup>2</sup>		3 x 4.0 / 3 x 4.0									
Water volume	L		185									
Material inside tank								Stainless steel				
Outdoor Unit								WH-UX09FE5		WH-UX12FE5		
Sound pressure level	Heating / Cooling	dB(A)		51 / 49				52 / 50				
Sound power level	Heating	dB		58				61				
Dimensions / Weight	H x W x D	1,340 x 900 x 320 / 101										
Refrigerant (R410A)	kg		2.85									
Pipe diameter	Liquid / Gas	Inch		3/8 / 5/8								
Pipe length range / Elevation diff (in/out)	m		3 - 30 / 20									
Pipe length for add gas / Add gas amount	m / g/m		10 / 50									
Operation range	Outdoor ambient	°C		-20 / +35								
Water outlet	Heating / Cooling	°C		25 - 55 / 5 - 20								
Kit Price	£		5,298.00		5,945.00							
Indoor Unit Price	£		3,550.00		3,550.00							
Outdoor Unit Price	£		1,648.00		2,295.00							
PAW-G3KIT Price	£		100.00		100.00							

Accessories		Price £	Accessories		Price £
PAW-ADC-PREKIT	Pre installation kit for piping	275.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-ADC-CV150	Decorative magnetic side cover	100.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00



COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. 1) Insulated tested under EN12897.

INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)

SYSTEM HIGH  
ENERGY SAVINGS  
A+++



## New Aquarea Bi-Bloc H Generation

The new H Generation is being introduced by the 3 and 5kW. Those small capacities are specially designed for low energy homes and achieve an impressive COP of 5 (on the 3,2kW).

### New Design

#### Nice improved design

White, squared design with no screws visible. Modern remote control can be moved from the unit.

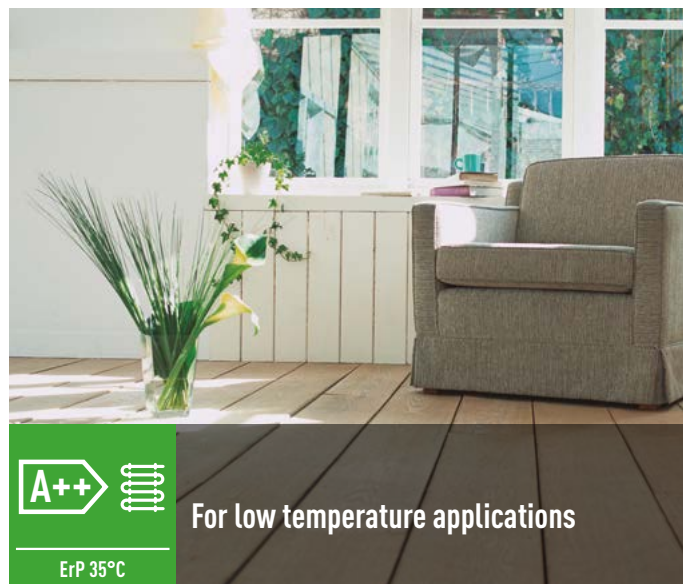
#### Installer Friendly

- Controller is now located on front side
- Easy access to parts and easy to install by having all pipings in a row
- New remote control with full dotted wide screen and new functions (need optional PCB: CZ-NS4P)
- Can connect additional room temperature sensor

### Compact and free space

More value in 1 compact space:

- Water filter (easy access & fast clip technology)
- Stop valve included
- Flow Sensor included
- 3 way valve ready (optional CZ-NV1 in internal space)



## Advanced Control

### Ease of use

New remote control with full dotted 3,5" wide back light screen. Menu with 10 available languages (EN, FR, DE, IT, ES, CZ, PL, SW, NO, DK) easy to use for installer and user.



ADVANCED CONTROL

### Relocation

Remote control can be relocated to any room.



## New Accessory

### Optional PCB (CZ-NS4P)

With this new PCB you can also manage one or more functions like below: SG Ready, 0 – 10 V demand signal, 2-zones control function (pump + mixing valve), solar and external switch (Heat / Cool).



## Better Efficiency & Value

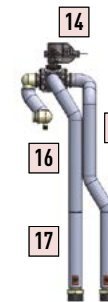
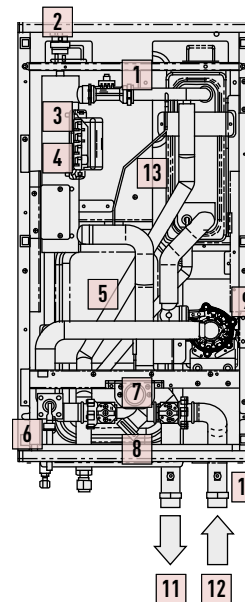
### A++/A++

- A++ for medium temperature applications (ErP 55°C)
- A++ for low temperature applications (ErP 35°C)
- 3 & 5kW meets Sep'19 ErP regulation as A+++

## New Wifi connection for H Generation

### CZ-TAW1

H Generation Internet control through Wifi or wired LAN.



3 way valve ready CZ-NV1 (optional in internal space)

Stop valve (included)



- |                                  |                              |                        |
|----------------------------------|------------------------------|------------------------|
| 1. Flow sensor                   | 8. Water filter gauge        | 14. 3 Way valve        |
| 2. Air purge valve               | 9. Water pump                | 15. Outlet pipe Assy A |
| 3. Backup heater                 | 10. Pipes in a row           | 16. Inlet pipe Assy    |
| 4. Overload protector (2 pieces) | 11. Space heating            | 17. Outlet pipe Assy B |
| 5. Expansion vessel              | 12. Water inlet              | 18. Stop valve         |
| 6. Pressure relief valve         | 13. 3 Way valve (option kit) | 19. Water filter part  |
| 7. Water pressure                |                              |                        |

## Aquarea Bi-Bloc

### Aquarea H Generation High Performance Bi-Bloc Single Phase. Heating and Cooling - SDC

Kit	Single Phase Heating and Cooling				TENTATIVE DATA
	KIT-WC03H3E5	KIT-WC05H3E5	KIT-WC07H3E5 <sup>1</sup>	KIT-WC09H3E5 <sup>1</sup>	
Heating capacity (A 7 / W 35)	kW	3.20	5.00	7.00	9.00
COP (A 7 / W 35)		5.00	4.63	4.46	4.13
Cooling capacity (A 35 / W 7)	kW	3.20	4.50	6.00	7.00
EER at 35°C (A 35 / W 7)		3.08	2.69	2.63	2.43
Energy Efficiency 35°C / 55°C		A++ / A++			
System label 35°C / 55°C <sup>2</sup>		A+++ / A++			
<b>Indoor Unit</b>		WH-SDC03H3E5	WH-SDC05H3E5	WH-SDC07H3E5	WH-SDC09H3E5
Sound pressure level	Heating / Cooling	28 / 28		30 / 30	
Dimensions / Weight	H x W x D	892 x 500 x 340 / 44			
Capacity of integrated electric heater		3			
Recommended Fuse		15 / 30			
Recommended cable size, supply 1 & 2		3 x 1.5 / 3 x 1.5			
<b>Outdoor Unit</b>		WH-UD03HE5	WH-UD05HE5	WH-UD07HE5	WH-UD09HE5
Sound pressure level	Heating / Cooling	47 / 47	48 / 48	50 / 48	51 / 50
Sound power level		64	65	64	65
Dimensions / Weight	H x W x D	622 x 824 x 298 / 39		795 x 900 x 320 / 66	
Refrigerant (R410A)		1.20		1.45	
Pipe diameter	Liquid / Gas	1/4 / 1/2		1/4 / 5/8	
Pipe length range / Elevation diff (in/out)		3 - 15 / 5		3 - 30 / 20	
Pipe length for add gas / Add gas amount		10 / 20		10 / 30	
Operation range	Outdoor ambient	-20 / +35		25 - 55 / 5 - 20	
Water outlet	Heating / Cooling	20 - 55 / 5 - 20		25 - 55 / 5 - 20	
Kit Price	£	2,355.00	2,470.00	2,595.00	2,923.00
Indoor Unit Price	£	1,330.00	1,393.00	1,446.00	1,573.00
Outdoor Unit Price	£	1,025.00	1,077.00	1,149.00	1,350.00



Accessories	Price £	Accessories	Price £
PAW-TE18C2E3HI-UK Tank 180L Slimline HP Tank	1,125.00	CZ-NS4P PCB for 0-10V control, 2 zones control and external changeover mode	120.00
PAW-TE18E3STD-UK Tank 180L Standard Heat Pump Tank	860.00	PAW-BTANK50L Buffer tank 50L	175.00
PAW-TE30E3STD-UK Tank 300L Standard Heat Pump Tank	1,080.00	CZ-TAW1 Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN	TBC
CZ-TK1 Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED Wired Thermostat	75.00
CZ-NV1 3 way valve Kit	210.00		

COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Performance in agreement with EN14511. Remark to energy efficiency class: These indications are based on the official ErP regulations (EU regulations N° 811/2013, EN 14511 and EN 14825) for heat pumps, which is officially binding from September 2015. Efficiency classes marked with \* would meet the new regulations from September 2019 to a classification as A+++.

1) Available in April 2016. 2) System label with controller. Tentative data. INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)



## Aquarea Bi-Bloc

Efficient Panasonic heat pumps can help to significantly reduce the energy consumption of your house.

Maximum savings, maximum efficiency, minimum CO<sub>2</sub> emissions, minimum of space.

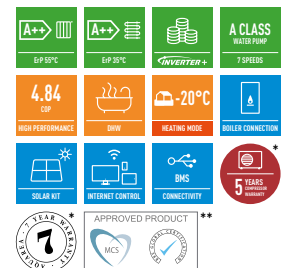
Panasonic has designed the new Aquarea Bi-Bloc heat pumps for homes which have high performance requirements.

Panasonic's Aquarea Heat Pump provides savings of up to 80% on heating expenses compared to electrical heaters.

Aquarea High Performance Bi-Bloc Single Phase. Heating and Cooling - SDC					
		Single Phase (Power to indoor)			
Kit		KIT-WC07F3E5	KIT-WC09F3E5	KIT-WC12F6E5	KIT-WC16F6E5
Heating capacity (A 7 / W 35)	kW	7.00	9.00	12.0	16.00
COP (A 7 / W 35)		4.46	4.13	4.74	4.28
Cooling capacity (A 35 / W 7)	kW	6.00	7.00	10.00	12.20
EER at 35°C (A 35 / W 7)		2.63	2.43	2.81	2.56
Energy Efficiency at 35°C		A++			
Energy Efficiency at 55°C		A++			
Indoor Unit		WH-SDC07F3E5	WH-SDC09F3E5	WH-SDC12F6E5	WH-SDC16F6E5
Sound pressure level	Heating / Cooling	33 / 33			
Dimensions / Weight	H x W x D	892 x 502 x 353 / 43		892 x 502 x 353 / 45	
Capacity of integrated electric heater	kW	3		6	
Recommended Fuse	A	30 / 30			
Recommended cable size, supply 1 & 2	mm <sup>2</sup>	3 x 4.0 or 6.0 / 3 x 4.0			
Outdoor Unit		WH-UD07FE5	WH-UD09FE5	WH-UD12FE5	WH-UD16FE5
Sound pressure level	Heating / Cooling	50 / 48		52 / 50	
Sound power level	dB	66		65	
Dimensions / Weight	H x W x D	795 x 900 x 320 / 66		1,340 x 900 x 320 / 101	
Refrigerant (R410A)	kg	1.45		2.55	
Pipe diameter	Liquid / Gas	1/4 / 5/8		3/8 / 5/8	
Pipe length range / Elevation diff (in/out)	m	3 - 30 / 20		3 - 30 / 20	
Pipe length for add gas / Add gas amount	m / g/m	10 / 30		10 / 50	
Operation range	Outdoor ambient	-20 / +35			
Water outlet	Heating / Cooling	25 - 55 / 5 - 20			
Kit Price	€	2,420.00	2,724.00	3,454.00	4,095.00
Indoor Unit Price	€	1,355.00	1,459.00	1,602.00	1,936.00
Outdoor Unit Price	€	1,065.00	1,265.00	1,852.00	2,159.00



Accessories		Price €	Accessories		Price €
PAW-TE18C2E3HI-UK	Tank 180L Slimline HP Tank	1,125.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-TE18E3STD-UK	Tank 180L Standard Heat Pump Tank	860.00	PAW-A2W-BIV	Bivalent controller	225.00
PAW-TE30E3STD-UK	Tank 300L Standard Heat Pump Tank	1,080.00	PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
CZ-TK1	Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00
PAW-BTANK50L	Buffer tank 50L	175.00			



COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)

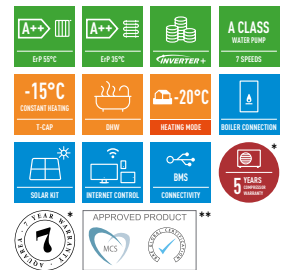
## Aquarea Bi-Bloc

### Aquarea T-CAP Bi-Bloc Single Phase / Three Phase. Heating and Cooling - SXC

Kit	Single Phase (Power to indoor)			Three Phase (Power to indoor)			
	KIT-WXC09F3E5	KIT-WXC12F6E5	KIT-WXC09F3E8	KIT-WXC12F9E8	KIT-WXC16F9E8		
Heating capacity (A 7 / W 35)	9.00	12.00	9.00	12.00	16.00		
COP (A 7 / W 35)	4.84	4.74	4.84	4.74	4.28		
Cooling capacity (A 35 / W 7)	7.00	10.00	7.00	10.00	12.20		
EER at 35°C (A 35 / W 7)	3.17	2.81	3.17	2.81	2.57		
Energy Efficiency at 35°C				A++			
Energy Efficiency at 55°C				A++			
Indoor Unit			WH-SXC09F3E5	WH-SXC12F6E5	WH-SXC09F3E8	WH-SXC12F9E8	WH-SXC16F9E8
Sound pressure level	Heating / Cooling	dB(A)	33 / 33				
Dimensions	H x W x D	mm	892 x 502 x 353				
Weight		kg	44		45	46	52
Capacity of integrated electric heater		kW	3	6	3		
Recommended Fuse		A	30 / 30		16 / 16		
Recommended cable size, supply 1 & 2		mm²	3 x 4.0 or 6.0 / 3 x 4.0		5 x 1.5 / 3 x 1.5		
Outdoor Unit			WH-UX09FE5	WH-UX12FE5	WH-UX09FE8	WH-UX12FE8	WH-UX16FE8
Sound pressure level	Heating / Cooling	dB(A)	51 / 49	52 / 50	51 / 49	52 / 50	55 / 54
Sound power level		dB	58	61	66	66	63
Dimensions	H x W x D	mm	1,340 x 900 x 320				
Weight		kg	101		109		119
Refrigerant (R410A)		kg	2.85			2.90	
Pipe diameter	Liquid / Gas	Inch	3/8 / 5/8				
Pipe length range / Elevation diff (in/out)		m	3 - 30 / 20				
Pipe length for add gas / Add gas amount		m / g/m	10 / 50				
Operation range	Outdoor ambient	°C	-20 / +35				
Water outlet	Heating / Cooling	°C	25 - 55 / 5 - 20				
Kit Price		£	3,203.00	4,011.00	4,152.00	4,505.00	5,320.00
Indoor Unit Price		£	1,555.00	1,716.00	1,843.00	2,006.00	2,221.00
Outdoor Unit Price		£	1,648.00	2,295.00	2,309.00	2,499.00	3,099.00

Accessories		Price £	Accessories		Price £
PAW-TE18C2E3HI-UK	Tank 180L Slimline HP Tank	1,125.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-TE18E3STD-UK	Tank 180L Standard Heat Pump Tank	860.00	PAW-A2W-BIV	Bivalent controller	225.00
PAW-TE30E3STD-UK	Tank 300L Standard Heat Pump Tank	1,080.00	PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
CZ-TK1	Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00
PAW-BTANK50L	Buffer tank 50L	175.00			

COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/gb\\_en/downloads/others](http://www.aircon.panasonic.co.uk/gb_en/downloads/others)

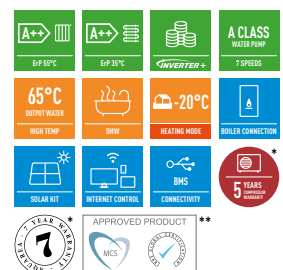


### Aquarea HT Bi-Bloc Single Phase / Three Phase. Heating Only - SHF

Kit	Single Phase (Power to indoor)		Three Phase (Power to indoor)		
	KIT-WHF09FE5	KIT-WHF12FE5	KIT-WHF12FE8		
Heating capacity (A 7 / W 35)	9.00	12.00	12.00		
COP (A 7 / W 35)	4.64	4.46	4.46		
Energy Efficiency at 35°C	A++				
Energy Efficiency at 55°C	A++				
Indoor Unit					
Sound pressure level	dB(A)	33			
Dimensions / Weight	H x W x D	mm / kg	892 x 502 x 353 / 46	892 x 502 x 353 / 47	892 x 502 x 353 / 48
Capacity of integrated electric heater		kW	3	6	9
Recommended Fuse		A	30 / 30		30 / 16
Recommended cable size, supply 1 & 2		mm²	3 x 4.0 or 6.0 / 3 x 4.0		5 x 1.5 / 5 x 1.5
Outdoor Unit					
Sound pressure level	dB(A)		WH-UH09FE5	WH-UH12FE5	WH-UH12FE8
Sound power level	dB		51	52	67
Dimensions / Weight	H x W x D	mm / kg	1,340 x 900 x 320 / 104		1,340 x 900 x 320 / 110
Refrigerant (R407C)		kg	2.90		
Pipe diameter	Liquid / Gas	Inch	3/8 / 5/8		
Pipe length range / Elevation diff (in/out)		m	3 - 30 / 20		
Pipe length for add gas / Add gas amount		m / g/m	10 / 70		
Operation range	Outdoor ambient	°C	-20 / +35		
Water outlet		°C	25 - 65		
Kit Price		£	3,372.00	4,209.00	4,839.00
Indoor Unit Price		£	1,543.00	1,784.00	2,199.00
Outdoor Unit Price		£	1,829.00	2,425.00	2,640.00

Accessories		Price £	Accessories		Price £
PAW-TE18C2E3HI-UK	Tank 180L Slimline HP Tank	1,125.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-TE18E3STD-UK	Tank 180L Standard Heat Pump Tank	860.00	PAW-A2W-BIV	Bivalent controller	225.00
PAW-TE30E3STD-UK	Tank 300L Standard Heat Pump Tank	1,080.00	PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
CZ-TK1	Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00
PAW-BTANK50L	Buffer tank 50L	175.00			

COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/gb\\_en/downloads/others](http://www.aircon.panasonic.co.uk/gb_en/downloads/others)





## Aquarea Mono-Bloc

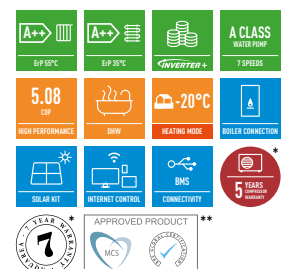
**Maximum savings, maximum efficiency, minimum CO<sub>2</sub> emissions, minimum of space.**

Panasonic has designed the new Aquarea Mono-Bloc heat pumps for homes which have high performance requirements. Whatever the weather, Aquarea can work even at -20°C! The New Aquarea is easy to install on new or existing installations, in all types of properties.

Aquarea G Generation High Performance Mono-Bloc Single Phase. Heating and Cooling - MDC			Single Phase Heating and Cooling				
Outdoor Unit			WH-MDC05F3E5	WH-MDC06G3E5	WH-MDC09G3E5	WH-MDC12G6E5	WH-MDC16G6E5
Heating capacity (A 7 / W 35)	kW		5.00	6.00	9.00	12.00	16.00
COP (A 7 / W 35)			5.08	4.46	4.15	4.74	4.28
Cooling capacity (A 35 / W 7)	kW		4.50	5.50	7.00	10.00	12.20
EER at 35°C (A 35 / W 7)			3.33	2.74	2.44	2.81	2.56
Energy Efficiency at 35°C			A++				
Energy Efficiency at 55°C			A++				
Sound pressure level	Heating / Cooling	dB(A)	49 / 47		51 / 49	52 / 50	55 / 54
Sound power level	Heating	dB	62	65	67	66	65
Dimensions	H x W x D	mm	865 x 1,283 x 320			1,410 x 1,283 x 320	
Weight		kg	107	112	112	147	147
Refrigerant (R410A)		kg	1.42	1.45		2.10	
Capacity of integrated electric heater		kW	3			6	
Input Power	Heating	kW	0.985	1.34	2.17	2.53	3.74
	Cooling	kW	1.35	2.01	2.87	3.56	4.76
Running and Starting current	Heating	A	4.5	6.1	9.9	11.7	17.3
	Cooling	A	6.1	9.3	13.0	16.5	22.0
Current 1	Heating	A	19.5	20.5	22.9	24.0	26.0
	Cooling	A	13.0	13.0	13.0	26.0	26.0
Recommended Fuse		A	30 / 15	—	30 / 16	30 / 30	
Recommended cable size, supply 1 & 2		mm <sup>2</sup>	3 x 4.0 or 6.0 / 3 x 4.0				
Operation range	Outdoor ambient	°C	-20 / +35				
Water outlet	Heating	°C	20 — 55				
	Cooling	°C	5 — 20				
Outdoor Unit Price		€	2,112.00	2,444.00	3,114.00	4,027.00	4,577.00



Accessories		Price €	Accessories		Price €
PAW-TE18C2E3HI-UK	Tank 180L SlimLine HP Tank	1,125.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-TE18E3STD-UK	Tank 180L Standard Heat Pump Tank	860.00	PAW-A2W-BIV	Bivalent control	225.00
PAW-TE30E3STD-UK	Tank 300L Standard Heat Pump Tank	1,080.00	PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
CZ-TK1	Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00
PAW-BTANK50L	Buffer tank 50L	175.00			



COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site. INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)



Aquarea Mono-Bloc

Aquarea G Generation T-CAP Mono-Bloc Single Phase / Three Phase. Heating and Cooling - MXC						
Outdoor Unit		Single Phase			Three Phase	
		WH-MXC09G3E5	WH-MXC12G6E5	WH-MXC09G3E8	WH-MXC12G9E8	WH-MXC16G9E8
Heating capacity (A 7 / W 35)	kW	9.00	12.00	9.00	12.00	16.00
COP (A 7 / W 35)		4.84	4.74	4.84	4.74	4.28
Cooling capacity (A 35 / W 7)	kW	7.00	10.00	7.00	10.00	12.20
EER at 35°C (A 35 / W 7)		3.17	2.81	3.17	2.81	2.56
Energy Efficiency at 35°C					A++	
Energy Efficiency at 55°C					A++	
Sound pressure level	Heating / Cooling	dB(A)		51 / 49	52 / 50	55 / 54
Sound power level	Heating	dB		63	66	70
Dimensions	H x W x D	mm				
Weight		kg		148	155	168
Refrigerant (R410A)		kg		2.30		2.55
Capacity of integrated electric heater		kW		3	9	
Input Power	Heating	kW		1.86	2.53	3.74
	Cooling	kW		2.21	3.56	4.76
Running and Starting current	Heating	A		8.6	11.7	5.7
	Cooling	A		10.2	16.5	7.2
Current 1		A		25.0	29.0	15.5
Current 2		A		13.0	26.0	13.0
Recommended Fuse		A		30 / 30		16 / 16
Recommended cable size, supply 1 & 2		mm <sup>2</sup>		3 x 4.0 or 6.0 / 3 x 4.0		5 x 1.5 / 3 x 1.5
Operation range	Outdoor ambient	°C			-20 / +35	
Water outlet	Heating	°C			25 - 55	
	Cooling	°C			5 - 20	
Outdoor Unit Price	£	3,551.00	4,440.00	4,415.00	4,857.00	5,908.00



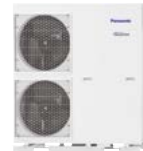
Accessories		Price £	Accessories		Price £
PAW-TE18C2E3HI-UK	Tank 180L Slimline HP Tank	1,125.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-TE18E3STD-UK	Tank 180L Standard Heat Pump Tank	860.00	PAW-A2W-BIV	Bivalent control	225.00
PAW-TE30E3STD-UK	Tank 300L Standard Heat Pump Tank	1,080.00	PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
CZ-TK1	Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00
PAW-BTANK50L	Buffer tank 50L	175.00			



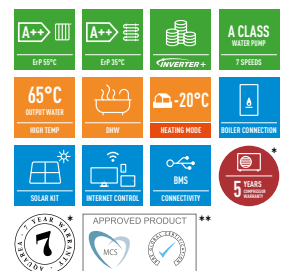
COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511.

INTERNET CONTROL: Optional. \* 5 years compressor warranty and extended 7 years cost option exclusively for PRO Partners. \*\* For full MCS approved product list please go to [www.microgenerationcertification.org/consumers](http://www.microgenerationcertification.org/consumers) or [www.aircon.panasonic.co.uk/GB\\_en/downloads/others](http://www.aircon.panasonic.co.uk/GB_en/downloads/others)

Aquarea G Generation HT Mono-Bloc Single Phase / Three Phase Heating Only - MHF						
Outdoor Unit		Single Phase		Three Phase		
		WH-MHF09G3E5	WH-MHF12G6E5	WH-MHF12G9E8		
Heating capacity (A 7 / W 35)	kW	9.00		12.00		
COP (A 7 / W 35)		4.64		4.46		
Energy Efficiency at 35°C					A++	
Energy Efficiency at 55°C					A++	
Sound pressure level	dB(A)	51		52		
Sound power level	dB	61		67		
Dimensions	H x W x D	mm				
Weight		kg		151	162	
Refrigerant (R407C)		kg		1.92	2.22	
Capacity of integrated electric heater		kW		3	6	9
Input Power		kW		1.94	2.69	
Running and Starting current		A		9.3	12.8	4.1
Current 1		A		28.5	29.0	10.8
Current 2		A		13.0	26.0	13.0
Recommended Fuse		A		30 / 30	16 / 16	
Recommended cable size, supply 1 & 2		mm <sup>2</sup>		3 x 4.0 or 6.0 / 3 x 4.0	5 x 1.5 / 5 x 1.5	
Operation range	Outdoor ambient	°C			-20 / +35	
Water outlet		°C			25 - 65	
Outdoor Unit Price	£	3,632.00		4,540.00	4,968.00	



Accessories		Price £	Accessories		Price £
PAW-TE18C2E3HI-UK	Tank 180L Slimline HP Tank	1,125.00	PA-AW-WIFI-1TE	Wifi interface	200.00
PAW-TE18E3STD-UK	Tank 180L Standard Heat Pump Tank	860.00	PAW-A2W-BIV	Bivalent control	225.00
PAW-TE30E3STD-UK	Tank 300L Standard Heat Pump Tank	1,080.00	PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
CZ-TK1	Temperature sensor for 3rd party tank	53.00	PAW-A2W-RTWIRED	Wired Thermostat	75.00
PAW-BTANK50L	Buffer tank 50L	175.00			



COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511.

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## Tanks

### Tanks

		Slimline HP Tank	Standard Heat Pump Tank			Standard Heat Pump Tank (Twin Coil)		
Model		PAW-TE18C2E3HI-UK	PAW-TE18E3STD-UK	PAW-TE30E3STD-UK	PAW-TE18C2E3STD-UK	PAW-TE30C2E3STD-UK	PAW-TE40C2E3STD-UK	
Water volume	L	180			300			
Maximum water temperature	°C	95						
Dimensions	Height	1,790	1,305	1,990	1,305	1,990	2,030	
	Diameter	475			550			
Weight	kg	33		49	33		61	
Electric heater	kW	3						
Power supply	V	230						
Material inside tank		Stainless steel						
Exchange surface	m <sup>2</sup>	3.01	2.50	3.00	1.36	2.04	2.91	
Secondary Coil Exchange surface	m <sup>2</sup>	—	—	—	0.68	0.97	1.27	
Energy loss	W	51	54	85	54	85	118	
3 Way valve included		Yes						
20 m temperature sensor cable included		Yes						
Heat up time	Valuation	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	
Energy losses	Valuation	★★★	★★★★	★★★	★★★★	★★★	★★★	
Efficiency of the tank	Valuation	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	
Energy Efficiency Class		<b>B</b>		<b>C</b>	<b>B</b>	<b>C</b>	<b>D</b>	
Warranty		25 years						
Maintenance required		Yearly						
Price	£	1,125.00	860.00	1,080.00	920.00 *	1,150.00 *	1,475.00 *	

1) Insulated tested under EN12897.  
 Sold complete with G3 compliant kit.  
 \*4 weeks lead time



## Aquarea Air Radiators

### Aquarea Air Radiators

Fan Coils for Heat Pump application		PAW-AAIR-200					PAW-AAIR-700					PAW-AAIR-900				
Total heating capacity	W	138	160	217	470	570	223	360	708	1,032	1,188	273	475	886	1,420	1,703
Water flow	kg/h	23.7	27.5	37.3	80.8	98.0	38.4	61.9	121.8	177.5	204.3	47.0	81.7	152.4	244.2	292.9
Water pressure drop	kPa	0.1	0.2	0.4	2.0	2.9	0.1		0.3	0.8	1.0	0.1	0.2	0.5	1.6	2.2
Air flow	m <sup>3</sup> /h	28	37	55	113	162	44	84	155	252	320	54	110	248	367	461
	Speed	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max	Main Fan Off	Super Min	Min	Med	Max
Maximum input power	W	2	5	7	9	13	3	9	14	18	22	3	11	16	20	24
Sound pressure level	dB(A)	17.6	18.8	24.7	33.2	39.4	18.4	19.6	25.8	34.1	40.2	18.4	22.3	26.2	34.4	42.2
Inlet water temperature	°C	35					35					35				
Outlet water temperature	°C	30					30					30				
Inlet air temperature	°C	19					19					19				
Outlet air temperature	°C	34.5	32.6	38.9	32.0	30.0	34.9	32.4	33.3	31.8	30.6	34.8	32.5	30.2	31.1	30.6
Dimensions (H x W x D)	mm	579 x 735 x 129					579 x 935 x 129					579 x 1,135 x 129				
Weight	kg	17					20					23				
3 ways valve included		Yes					Yes					Yes				
Touch screen thermostat		Yes					Yes					Yes				
Price	£	551.00					597.00					715.00				

### AQUAREA AIR



## Control

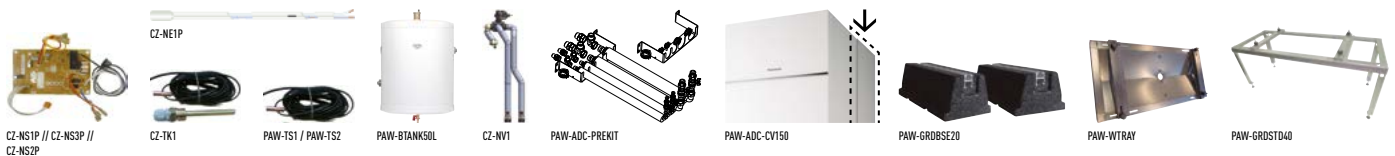


Aquarea Manager Kits (no compatible for H Generation units)		Price €
PAW-HPM12ZONE-U	HPM with room sensor and setpoint adaptation for Bi-Bloc + sensors	550.00
PAW-HPM12ZONE-M	HPM with room sensor and setpoint adaptation for Mono-Bloc + sensors	550.00
PAW-HPM12ZONE-F	Heat pump manager for control of 2 temperature zones with F Series Splits systems	650.00
PAW-HPM12ZONELCD-U	HPM with LCD wireless room thermostat for Bi-Bloc + sensors	650.00
PAW-HPM12ZONELCD-M	HPM with LCD wireless room thermostat for Mono-Bloc + sensors	650.00
PAW-HPM12ZONELCD-F	Heat pump manager (with LCD), for control of 2 temperature zones with F and G Series	650.00
Aquarea Manager Accessories (no compatible for H Generation units)		Price €
PAW-HPM1	Aquarea Manager with LCD	325.00
PAW-HPM2	Aquarea Manager without LCD	300.00
PAW-HPMINT-U	Interface to connect Aquarea Manager to Heat pump Aquarea Bi-Bloc (HPM can control all parameters from HP)	100.00
PAW-HPMINT-M	Interface to connect Aquarea Manager to Heat pump Aquarea Mono-Bloc (HPM can control all parameters from HP)	100.00
PAW-HPMINT-F	Interface to connect Aquarea Manager to Heat pump Aquarea Mono-Bloc and Bi-Bloc F type (HPM can control all parameters from HP)	100.00
PAW-HPMB1	Buffer tank sensor	80.00
PAW-HPMDHW	Buffer tank sensor with well	100.00
PAW-HPMSOL1	Buffer tank sensor solar (with higher temperature range)	80.00
PAW-HPMAH1	Water flow pipe sensor for heating circuit	80.00
PAW-HPMR4	Room sensor + set point adaptation	80.00
PAW-HPMED	Touch screen	375.00
PAW-HPMLCD	LCD Display HPM Manager	125.00
PAW-LANCABLE	Network cable	8.00
PAW-A2WSWITCH	Network switch	85.00
PAW-DEWPOINTSENSOR	Dew point sensor	80.00
PAW-HPMUH	Outdoor temperature sensor	80.00

Room Thermostats		Price €
PAW-A2W-RTWIRED	Wired LCD room thermostat with weekly timer	75.00
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat with weekly timer	125.00
Hydraulic Accessories		Price €
PAW-2PMP2ZONE	2 zone kit, hydraulic switch, manifold, 2 A-class pumps, 1 mixture valve	1,000.00
PAW-G3KIT	G3 compliant kit consisting of: 18L expansion vessel, tundish, Multibloc valve	100.00
PAW-FILTER	2 check valves + filter with 1"	180.00
PAW-FILTER-ONLY	Filter with 1"	40.00
PAW-FLWMTR-KIT	Connection kit with flow indicator, strain filter and isolation valves.	225.00
Controller		Price €
PAW-A2W-BIV	Bivalent controller	225.00
Connectivity Solutions		Price €
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN	TBC
PAW-AW-KNX-1i*	KNX Interface	500.00
PAW-AW-MBS-1*	Modbus Interface	500.00
PA-AW-WIFI-1TE*	Wired room temperature sensor (only for PA-AW-WIFI-1)	200.00
CZ-CAPRA1	Interface for full connection with PAC-i / ECO-i remote controls	135.00
NEW H Generation Sensors		Price €
PAW-A2W-TSOD	Outdoor ambient sensor	30.00
PAW-A2W-TSRT	Zone room sensor	30.00
PAW-A2W-TSBU	Buffer tank sensor	30.00
PAW-A2W-TSHC	Zone water sensor	30.00
PAW-A2W-TSSO	Solar sensor	30.00
NEW H Generation Tools		Price €
PAW-A2WLOGGER	Data Logger: With this tool we can log data during a long period (available in August 2016)	TBC
PAW-A2WCHECKER	Service checker: With this tool we will have a life monitoring at our PC (available in August 2016)	TBC
2 Zone kit		Price €
PAW-A2W-ZZONECVR	NEW Aquarea 2 zone kit box cover	80.00
PAW-A2W-ZZONEKIT	NEW Aquarea 2 zone kit	700.00

\* No compatible with H Generation.

## Accessories



Optional PCB's for additional functions		Price €
CZ-NS1P	PCB for solar connection kit for split systems	38.00
CZ-NS2P	PCB for solar connection kit for Mono-Bloc systems	38.00
CZ-NS3P	PCB for solar connection kit for Mono-Bloc systems 6 & 9kW	38.00
CZ-NS4P	PCB for advanced functions in H Generation	120.00
Deice Accessories		Price €
CZ-NE1P	Base pan heater (for all old Bi-Bloc and Mono-Bloc, not for the 3 and 5kW)	111.00
CZ-NE2P	Base pan heater (for 3 and 5kW)	111.00
CZ-NE3P	Base pan heater (for all new F generation products: F3, F6, F9)	111.00
Sanitary Tank Accessories		Price €
CZ-TK1	Temperature sensor kit for third party tank (with copper pocket and 6 m length sensor cable)	53.00
CZ-TK1-PACK10	10 Kit 3rd Party Tank including pocket sensor	428.00
PAW-TS1	Tank sensor with 6 m cable length	25.00
PAW-TS2	Tank sensor with 20 m cable length	30.00
PAW-TS4	Tank sensor with 6 m cable length and only 6 mm diameter	30.00
Buffer Tanks		Price €
PAW-BTANK50L	Buffer tank 50L	175.00

H Generation accessory		Price €
CZ-NV1	3 way valve ready (optional in internal space)	210.00
Accessories For All In One		Price €
PAW-ADC-PREKIT	Flexible pipings and wall mounting plate for all in one	275.00
PAW-ADC-CV150	Decorative magnetic side cover	100.00
Accessories for Aquarea Air		Price €
PAW-AAIR-LEGS-1	Kits of 2 legs to support the Aquarea Air on the floor and to protect the water pipings	42.00
Special outdoor supports		Price €
PAW-GRDBSE20	Outdoor base ground support for noise and vibration absorption (600 x 95 x 130, 500 kg)	100.00
PAW-WTRAY	Tray for condenser water compatible with base ground support	110.00
PAW-GRDSTD40	Outdoor elevation platform	110.00
CZ-UG30	Noise reduction kit for outdoor units (-3dB(A))	130.00
Extended Warranty		Price €
PAW-A2W-7YW	Extended 7 years warranty only for PRO Partners	500.00
Coating		Price €
PAW-A2W-COATCOIL-1F	Evaporator coil Coating for single fan outdoor unit	150.00
PAW-A2W-COATCOIL-2F	Evaporator coil Coating for twin fan outdoor unit	200.00

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# Panasonic®

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Willoughby Road  
Bracknell  
Berkshire  
RG12 8FP

 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.

