Panasonic

WELCOME TO AQUAREA AIR TO WATER HEAT PUMP 2018 - 2019

AQUAREA

Aquarea's new Air to Water Heat Pump for residential and commercial applications.
Offering capacities from 3kW all the way through to 16kW, 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.

New Aquarea H Generation A+++[1].

The beauty of comfort. The new H Generation is being introduced ranging from 3 to 16kW. The small capacity units are specially designed for low energy homes and achieve an impressive COP of 5 (on the 3kW).

GOOD * DESIGN AWARD 2017

New All in One H Generation.

The new All in One solution from 3 to 16kW with 200L stainless DHW tank, maintenance free. The "A" class circulating pump provides a small foot print and ideal solution for new, retrofit homes.

GOOD * DESIGN AWARD 2017

New Monobloc Generation.

The "A" class circulating pump equipped with the new remote controller maximises savings while improving the performance and comfort.

Aquarea Smart Cloud.

Aquarea Smart Cloud will activate remote maintenance service while end user is controlling and monitoring its heating and DHW remotely. This remote maintenance will save time, 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.

DHW cylinders.

Aquarea DHW cylinders are designed to maximise the efficiency of our Aquarea heat pump range. Supplied in 200L & 300L versions ERP "A" rated, they are extremely versatile and will ensure they fit within almost any installation.

1. A+++ subject to implementation of 2019 regulations. * The Good Design Award is among the most prestigious awards for product design excellence. Winning this award has underscored the outstanding performance and energy savings of the Panasonic indoor units All in One and Bi-Bloc. In addition, these units' clean, tidy design and functionality make the Aquarea line the ideal system for household applications.

AQUAREA SMART & SERVICE CLOUD

1 AQUAREA SMART CLOUD
FOR END USERS

WATCH DEMO

* User interface image may change without notification.

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 works?

Connect Aquarea H Generation system to the cloud using wireless LAN or a wired LAN Network. User connects to the Cloud portal to remotely operate all unit functions and can also permit partners to access customised functions for remote maintenance and monitoring. See demo: https://aquarea.aircon.panasonic.eu

Requirements

1. H Generation Aquarea system
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 & Control
- Scheduling
- Energy Statistics
- Malfunction notification

Advantages

Energy savings, comfort and control from anywhere. Increase efficiency and resources management, operating costs savings and owner satisfaction. The new 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 resetting malfunctions when they occur.

Aquarea compatibility	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 — House Temp 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.

1. LAN
2. Aquarea connection by CN-CNT

Monobloc High Performance | R410A

APPROVED PRODUCT*

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

ErP 35°C Scale from A++ to G | ErP 55°C Scale from A++ to G | 35°C SYSTEM LABEL Scale from A+++ to D

Aquarea H Generation High Performance Monobloc Single Phase. Heating and Cooling - MDC

			Single Phase Heating and Cooling				
Outdoor unit			**WH-MDC05H3E5**	**WH-MDC07H3E5**	**WH-MDC09H3E5**	**WH-MDC12H6E5**	**WH-MDC16H6E5**
Heating capacity (A +7°C, W 35°C)		kW	5.00	7.00	9.00	12.00	16.00
COP (A +7°C, W 35°C)		W/W	5.08	4.52	4.29	4.74	4.28
Heating capacity (A +2°C, W 35°C)		kW	4.80	6.60	6.80	11.40	13.00
COP (A +2°C, W 35°C)		W/W	3.36	3.30	3.18	3.44	3.28
Heating capacity (A -7°C, W 35°C)		kW	4.70	5.50	6.40	10.00	11.40
COP (A -7°C, W 35°C)		W/W	2.85	2.70	2.60	2.73	2.57
Cooling capacity (A 35°C, W 7°C)		kW	4.50	6.00	7.00	10.00	12.20
EER (A 35°C, W 7°C)		W/W	3.28	2.78	2.60	2.81	2.56
Energy Efficiency Class at 35°C[1] / 55°C[1]			A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
System label 35°C / 55°C[2]			A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Sound pressure	Heat / Cool	dB(A)	49/47	50/48	51/49	52/50	55/54
Sound power	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)[3]		kg / TCO_2 Eq.	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
A class 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
Starting current	Heat	A	4.7	7.2	9.6	11.7	16.9
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

Accessories	
PAW-TD20C1E5-UK	Tank 200L - Stainless steel
PAW-TD30C1E5-UK	Tank 300L - Stainless steel
PAW-3WYVLV-SI	3 way valve
PAW-BTANK50L	Buffer tank 50L

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat
PAW-G3KIT	G3 Compliant Kit

EER and COP calculation is based in accordance to EN14511. 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).
Authorized service partner or Authorized installer can enable the cooling mode through a special operation via the remote controller on site. 1) Scale from A++ to G. 2) Scale from A+++ to D. System label with controller. 3) WH-MDC models are hermetically sealed.

ErP 55°C | ErP 35°C | INVERTER+ | A CLASS WATER PUMP AUTO SPEED | 5.08 COP HIGH PERFORMANCE | DHW | -20°C HEATING MODE | WATER FILTER | STOP VALVE | FLOW SENSOR | BOILER CONNECTION | SOLAR KIT | ADVANCED CONTROL | INTERNET CONTROL | BMS CONNECTIVITY

INTERNET CONTROL: Optional.
* MCS APPROVED PRODUCT: Not all products are currently certified. Please visit: http://www.microgenerationcertification.org/consumers/product-search.

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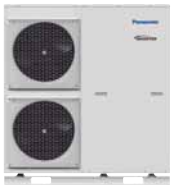
R410A | Monobloc T-CAP



NEW 18

APPROVED PRODUCT*

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

NEW Aquarea H Generation T-CAP Monobloc Single Phase / Three Phase. Heating and Cooling - MXC

Tentative data

			Single Phase		Three Phase
Outdoor unit			**WH-MXC09H3E5**	**WH-MXC12H6E5**	**WH-MXC16H9E8**
Heating capacity (A +7°C, W 35°C)		kW	9.00	12.00	16.00
COP (A +7°C, W 35°C)		W/W	4.84	4.74	4.28
Heating capacity (A +2°C, W 35°C)		kW	9.00	12.00	16.00
COP (A +2°C, W 35°C)		W/W	3.59	3.44	3.10
Heating capacity (A -7°C, W 35°C)		kW	9.00	12.00	16.00
COP (A -7°C, W 35°C)		W/W	2.85	2.72	2.49
Cooling capacity (A 35°C, W 7°C)		kW	7.00	10.00	12.20
EER (A 35°C, W 7°C)		W/W	3.17	2.81	2.56
Energy Efficiency Class at 35°C[1] / 55°C[1]			A++ / A++	A++ / A++	A++ / A++
System label 35°C / 55°C[2]			A+++ / A++	A++ / A++	A++ / A++
Sound pressure	Heat / Cool	dB(A)	51/49	52/50	55/54
Sound power	Heat / Cool	dB	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
Net weight		kg	142	142	164
Refrigerant (R410A)[3]		kg / TCO_2 Eq.	2.30/4.802	2.30/4.802	2.35/4.907
Water pipe connector		Inch	R1¼	R1¼	R1¼
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	32/102	34/110	38/120
Heating water flow (ΔT=5 K. 35°C)		L/min	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3	6	9
Input Power	Heat	kW	1.86	2.53	3.74
	Cool	kW	2.21	3.56	4.76
Starting current	Heat	A	8.8	11.7	5.7
Current 1		A	29.0	29.0	15.5
Current 2		A	13.0	26.0	13.0
Recommended fuse		A	30/30	30/30	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 1.5/5 x 1.5
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	25 ~ 60	25 ~ 60	25 ~ 60
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20

Accessories	
PAW-TD20C1E5-UK	Tank 200L - Stainless steel
PAW-TD30C1E5-UK	Tank 300L - Stainless steel
PAW-3WYVLV-SI	3 way valve
PAW-BTANK50L	Buffer tank 50L

Accessories	
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat
PAW-G3KIT	G3 Compliant Kit

EER and COP calculation is based in accordance to EN14511. 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). 1) Scale from A++ to G. 2) Scale from A+++ to D. System label with controller. 3) WH-MXC models are hermetically sealed. * Tentative data.

INTERNET CONTROL: Optional.
* MCS APPROVED PRODUCT: Not all products are currently certified. Please visit: http://www.microgenerationcertification.org/consumers/product-search.

Monobloc HT | R407C

APPROVED PRODUCT*

Aquarea G Generation HT Monobloc Single Phase. Heating Only - MHF

			Single Phase	
Outdoor unit			**WH-MHF09G3E5**	**WH-MHF12G6E5**
Heating capacity (A +7°C, W 35°C)		kW	9.00	12.00
COP (A +7°C, W 35°C)		W/W	4.64	4.46
Heating capacity (A +2°C, W 35°C)		kW	9.00	12.00
COP (A +2°C, W 35°C)		W/W	3.45	3.26
Heating capacity (A -7°C, W 35°C)		kW	9.00	12.00
COP (A -7°C, W 35°C)		W/W	2.74	2.52
Heating capacity (A +7°C, W 65°C)		kW	9.00	12.00
COP (A +7°C, W 65°C)		W/W	2.48	2.41
Heating capacity (A +2°C, W 65°C)		kW	9.00	10.30
COP (A +2°C, W 65°C)		W/W	2.06	2.01
Heating capacity (A -7°C, W 65°C)		kW	9.00	9.60
COP (A -7°C, W 65°C)		W/W	1.79	1.77
Energy Efficiency Class at 35°C[1] / 55°C[1]			A++ / A++	A++ / A++
System label 35°C / 55°C[2]			A++ / A++	A++ / A++
Sound pressure		dB(A)	51	52
Sound power		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)[3]		kg / TCO_2 Eq.	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
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		°C	25 ~ 65	25 ~ 65

Accessories	
PAW-TD20C1E5-UK	Tank 200L - Stainless steel
PAW-TD30C1E5-UK	Tank 300L - Stainless steel
PAW-3WYVLV-SI	External 3 way valve

Accessories	
PAW-BTANK50L	Buffer tank 50L
PAW-A2W-RTWIRED	Room thermostat
PAW-G3KIT	G3 Compliant Kit

EER and COP calculation is based in accordance to EN14511. 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). 1) Scale from A++ to G. 2) Scale from A+++ to D. System label with controller. 3) WH-MHF models are hermetically sealed.

ErP 55°C | ErP 35°C | INVERTER+ | A CLASS WATER PUMP 7 SPEEDS | 65°C OUTPUT WATER HIGH TEMP | DHW | -20°C HEATING MODE | BOILER CONNECTION | SOLAR KIT | INTERNET CONTROL | BMS CONNECTIVITY

INTERNET CONTROL: Optional.

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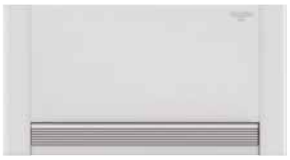
Panasonic

AQUAREA AIR

AQUAREA AIR



Aquarea Air Radiators. Fan Coils for Heat Pump application

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	1032	1188	273	475	886	1420	1703
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	0.1	0.3	0.8	1.0	0.1	0.2	0.5	1.6	2.2
Air flow	m^3/min	0.5	0.6	0.9	1.9	2.7	0.7	1.4	2.6	4.2	5.3	0.9	1.8	4.1	6.1	7.7
	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	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	35	35	35	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19	19	19	19	19	19	19	19	19	19	19	19	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
Dimension (H x W x D)	mm	579 x 735 x 129					579 x 935 x 129					579 x 1135 x 129				
Net weight	kg	17					20					23				
3 ways valve included		Yes					Yes					Yes				
Touch screen thermostat		Yes					Yes					Yes				

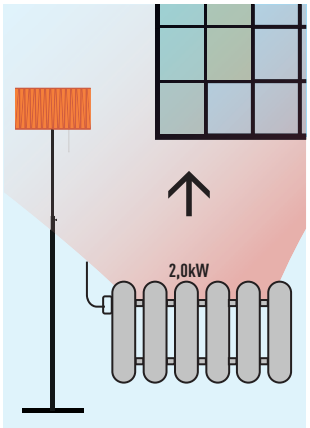
Accessories	
PAW-AAIR-LEGS-1	Kits of 2 legs to support the Aquarea Air on the floor and to protect the water pipings

New line up of Super low temperature radiators for Heat Pump application: Aquarea Air 200/700/900 with radiating effect

The slimline Panasonic Aquarea Air radiators deliver high efficiency climate control.

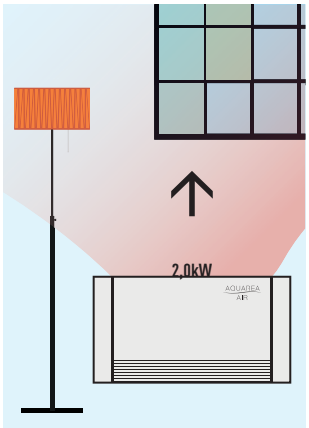
With a depth of just under 13cm they are at the cutting edge of the market. Blending easily into the home, Aquarea Air's elegant design and product refinements are clear to see in every detail.
Exceptional ventilation efficiency means the motor uses considerably less energy (low wattage). The fan speed 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.



Water at 65°C needed.

With Aquarea Air.



Water at 35°C needed.

Technical focus:

- Front panel heating with radiant effect
- High heating capacity (without main fan running)
- 4 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 radiators installed)
- Touch screen thermostat

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

DHW CYLINDERS

Tanks

			Stainless Steel Tank	
Model			**PAW-TD20C1E5-UK**	**PAW-TD30C1E5-UK**
Water volume		L	194	284
Maximum water temperature		°C	75	75
Dimension	Height	mm	1270	1750
	Diameter	mm	595	595
Net weight / filled		kg	47/—	57/—
Electric element		kW	1.5	1.5
Power supply		V	230	230
Material inside tank			Stainless steel	Stainless steel
Exchange surface		m²	1.80	1.80
Energy loss at 65°C[1]		kWh/24h	1.01	1.10
Energy loss		W	—	—
3 Way valve accessory PAW-3WYVLV-SI			Optional	Optional
20m temperature sensor cable			Yes	Yes
Heat up time		Valuation	★★★★	★★★★
Energy losses		Valuation	★★★★	★★★★
Energy Efficiency Class (from A+ to F)			A	A
Warranty			2 years	2 years
Maintenance required			No	No
(Includes PAW-G3KIT)				

1) Insulated tested under EN12897. * Includes proportional control thermostat.

Stainless Steel Tank

The best heat pump in market needs to be complemented with best efficiency tank. Panasonic energy efficiency A Class Stainless Tank consist in 2 capacities 200 and 300L. These 2 models are anode free does not require any maintenance.

ACCESSORIES & CONTROL

Optional PCB's for additional functions		
	**CZ-NS4P**	PCB for advanced functions in H Generation
Deice Accessories		
	CZ-NE1P	Base pan heater (for all old H Generation Bi-bloc and Monobloc, not for the 3 and 5kW)
	CZ-NE2P	Base pan heater (for 3 and 5kW)
	CZ-NE3P	Base pan heater for H Generation
Accessories for All in One		
	PAW-ADC-PREKIT-H	Flexible pipings and wall mounting plate for All in One H Generation
	**PAW-ADC-CV150**	Decorative magnetic side cover
Accessories for Aquarea Air		
	PAW-AAIR-LEGS-1	Kits of 2 legs to support the Aquarea Air on the floor and to protect the water pipings
DHW Tank Accessories		
	PAW-TS1	Tank sensor with 6m cable length
	**PAW-TS2**	Tank sensor with 20m cable length
	PAW-TS4	Tank sensor with 6m cable length and only 6mm diameter
	**CZ-TK1**	Temperature sensor kit for 3rd Party tank (with copper pocket and 6m length sensor cable)
	CZ-TK1-PACK10	10 Kit 3rd Party DHW Tank including pocket sensor
Special outdoor supports		
	**PAW-WTRAY**	Tray for condenser water compatible with base ground support
	**PAW-GRDSTD40**	Outdoor elevation platform - For use with Bi-Bloc only
	**PAW-GRDBSE20**	Outdoor base ground support for noise and vibration absorption (600x95x130, 500 kg)
	CZ-UG30	Noise reduction kit for outdoor units (-3dB(A))
Hydraulic accessories		
	**PAW-BTANK50L**	Buffer tank 50L
	**CZ-NV1**	3 way valve ready for All in One H Generation (optional in internal space)
	PAW-3WYVLV-SI	External 3 way valve
	PAW-G3KIT	G3 compliant kit consisting of: 18l expansion vessel, tundish, Multibloc valve
	PAW-FLWMTR-KIT	Connection Kit with flow indicator, strain filter and isolation valves (not required for H Generation)
Room Thermostats		
	**PAW-A2W-RTWIRED**	Wired LCD room thermostat with weekly timer
	**PAW-A2W-RTWIRELESS**	Wireless LCD room thermostat with weekly timer
Connectivity Solutions		
	**CZ-TAW1**	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
	CZ-TAW1-CBL	10m Aquarea Cloud Interface extension cable
	**PAW-AW-KNX-H**	KNX Interface for H Generation
	PAW-AW-KNX-1i	KNX Interface (no compatible with H Generation)
	**PAW-AW-MBS-H**	Modbus Interface for H Generation
	PAW-AW-MBS-1	Modbus Interface (no compatible with H Generation)
	PA-AW-WIFI-1TE	Wifi accessory with temperature sensor not compatible with H Generation
H Generation Sensors		
	**PAW-A2W-TSOD**	Outdoor ambient sensor
	PAW-A2W-TSRT	Zone room sensor
	PAW-A2W-TSBU	Buffer tank sensor
	**PAW-A2W-TSHC**	Zone water sensor
	**PAW-A2W-TSSO**	Solar sensor
Coating		
	PAW-A2W-COATCOIL-1F	Coil coating for a single fan outdoor unit
	PAW-A2W-COATCOIL-2F	Coil coating for a double fan outdoor unit
H Generation tools		
	**AW-A2WLOGGER**	Data Logger: With this tool we can log data during a long period.
	**PAW-A2WCHECKER**	Service checker: With this tool we will have a life monitoring at our PC.

Energy saving

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

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

Better efficiency & Value for Domestic Hot Water. Energy efficiency class up to A in a scale from A to G.

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

Inverter Plus System. This classification highlight the Panasonic highest performing systems.

High performance and healthy air

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. *COP of 5.08 for 5kW Monobloc.

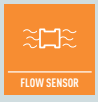
Aquarea T-CAP for extremely low temperatures. From 9 to 16kW. If the most important aspect is to maintain nominal heating capacities even at temperatures as low as -7°C or -15°C, select the Aquarea T-CAP.

Aquarea HT ideal for retrofit. From 9 to 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. With Aquarea you can also heat your domestic hot water at a very low cost with the optional hot water cylinder.

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

Water isolation valve included on H Generation.



Water flow sensor included on H Generation.

Down to -20°C in heating mode. The air conditioner works in heat pump mode with an outdoor temperature as low as -20°C.

High connectivity

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. 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 H Generation.

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

Easy control by BMS. 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.

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 HP0086.*

* 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 websites http://www.microgenerationcertification.org/consumers/product-search.