

# Aquarea All in One H Generation High Performance

## Bi-bloc Single Phase / Three Phase. Heating and Cooling

### 1 zone hydrokit or 2 zones built-in hydrokit



WH-UD03HE5-1  
WH-UD05HE5-1

WH-UD07HE5-1  
WH-UD09HE5-1

WH-UD12HE5  
WH-UD16HE5  
WH-UD16HE8

Aquarea All in One H Generation High Performance Kit		Single Phase (Power to indoor)						Three Phase (Power to indoor)		
		KIT-ADC03HE5	KIT-ADC05HE5	KIT-ADC07HE5	KIT-ADC09HE5	KIT-ADC12HE5	KIT-ADC16HE5	KIT-ADC9HE8	KIT-ADC12HE8	KIT-ADC16HE8
Heating capacity at +7°C (heating water at 35°C)	kW	3,20	5,00	7,00	9,00	12,00	16,00	9,00	12,00	16,00
COP at +7°C (heating water at 35°C)	W/W	5,00	4,63	4,46	4,13	4,74	4,28	4,84	4,74	4,28
Heating capacity at +2°C (heating water at 35°C)	kW	3,20	4,20	6,55	6,70	11,40	13,00	9,00	11,40	13,00
COP at +2°C (heating water at 35°C)	W/W	3,56	3,11	3,34	3,13	3,44	3,28	3,59	3,44	3,28
Heating capacity at -7°C (heating water at 35°C)	kW	3,20	4,20	5,15	5,90	10,00	11,40	9,00	10,00	11,40
COP at -7°C (heating water at 35°C)	W/W	2,69	2,59	2,68	2,52	2,73	2,57	2,85	2,73	2,57
Cooling capacity at 35°C (cooling water at 7/12°C)	kW	3,20	4,50	6,00	7,00	10,00	12,20	7,00	10,00	12,20
EER at 35°C (cooling water at 7/12°C)	W/W	3,08	2,69	2,63	2,43	2,81	2,56	3,17	2,85	2,56
Energy Efficiency Class at 35°C <sup>1</sup> / 55°C <sup>1</sup> / 55°C <sup>2</sup> for DHW		A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A
System label 35°C / 55°C <sup>3</sup>		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Indoor unit 1 zone		WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC1216H6E5	WH-ADC1216H6E5	WH-ADC0916H9E8	WH-ADC0916H9E8	WH-ADC0916H9E8
Indoor unit 2 zones		WH-ADC0309H3E5B	WH-ADC0309H3E5B	WH-ADC0309H3E5B	WH-ADC0309H3E5B	—	—	—	—	—
Sound pressure Heating / Cooling	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimensions H x W x D	mm	1.800x598x717	1.800x598x717	1.800x598x717	1.800x598x717	1.800 x598x717	1.800 x598x717	1.800x598x717	1.800x598x717	1.800x598x717
Net Weight	kg	124	124	124	124	124	124	126	126	126
Heating water flow (ΔT=5 K, 35°C)	l/min	9,2	14,3	20,1	25,8	34,4	45,9	25,8	34,4	45,9
Capacity of integrated electric heater	kW	3	3	3	3	6	6	9	9	9
Water volume	L	185	185	185	185	185	185	185	185	185
Maximum water temperature	°C	65	65	65	65	65	65	65	65	65
Material inside tank		Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outdoor Unit		WH-UD03HE5-1	WH-UD05HE5-1	WH-UD07HE5-1	WH-UD09HE5-1	WH-UD12HE5	WH-UD16HE5	WH-UD09HE8	WH-UD12HE8	WH-UD16HE8
Sound pressure Heating / Cooling	dB(A)	48 / 47	49 / 48	50 / 48	51 / 50	52 / 50	55 / 54	51 / 49	52 / 50	55 / 54
Sound power level Heating / Cooling	dB	64 / 65	65 / 66	68 / 66	69 / 68	69 / 68	72 / 72	68 / 67	69 / 68	72 / 72
Dimensions H x W x D	mm	622x824x298	622x824x298	795x900x320	795x900x320	1.340x900x320	1.340x900x320	1.340x900x320	1.340x900x320	1.340x900x320
Net Weight	kg	39	39	66	66	101	101	107	107	107
Refrigerant (R410A)	kg	1,20	1,20	1,45	1,45	2,55	2,55	2,55	2,55	2,55
	TCO <sub>2</sub> Eq.	2,506	2,506	3,028	3,028	5,324	5,324	5,324	5,324	5,324
Operation range Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet Heating / Cooling	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20

1) Scale from G to A++. 2) Scale from G to A. 3) Scale from D to A+++.

## GOOD DESIGN AWARD 2017

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

<b>A++</b> ErP 55°C	<b>A++</b> ErP 35°C	<b>A</b> DHW 55°C	<b>INVERTER+</b> AUTO SPEED	<b>A CLASS</b> WATER PUMP	<b>5,00</b> COP HIGH PERFORMANCE	<b>DHW</b>	<b>-20°C</b> HEATING MODE	<b>WATER FILTER</b>	<b>CHECK VALVE</b>	<b>FLOW SENSOR</b>	<b>BOILER CONNECTION</b>	<b>ADVANCED CONTROL</b>	<b>INTERNET CONTROL</b>	<b>CONNECTIVITY</b>	<b>5 YEARS</b> COMPRESSOR WARRANTY
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**Better Efficiency & Value.** For medium temperature applications. Aquarea systems meets ErP regulation as A++.

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

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

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

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

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.

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

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

Check valve built in.

Water Flow Sensor included on H Generation.

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

New remote controller 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 is a next generation system providing a 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.

Connectivity. The communication port is integrated into the indoor unit and provides easy connection to your Panasonic Heat Pump to your home or building management system.

5 Years Warranty. We guarantee the compressors in the entire range for five years.

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.\*



# Panasonic

To find out how Panasonic cares for you, log on to: [www.aircon.panasonic.eu](http://www.aircon.panasonic.eu)

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heating & cooling solutions

# Panasonic

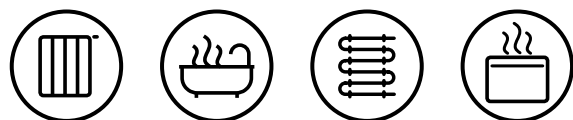


## AQUAREA ALL IN ONE HIGH PERFORMANCE HEAT PUMP

The compact, high performance heat pump for new installations and low energy homes



GOOD  
DESIGN  
AWARD  
2017



heating & cooling solutions



AQUAREA

# THE PEAK OF COMFORT, EFFICIENCY AND LOW ENERGY COSTS

## 4 reasons why Aquarea is an ideal solution for your home

### 1 Wide range and smart control

Aquarea is an innovative low-energy system, designed to provide ideal temperatures and hot water in the home, even with extreme outdoor temperatures. It is highly reliable thanks to the quality of all components, including the compressor, developed and manufactured by Panasonic. With many units to choose from, the Aquarea Range offers a very wide choice to ensure the most appropriate choice for your home - whatever the size.

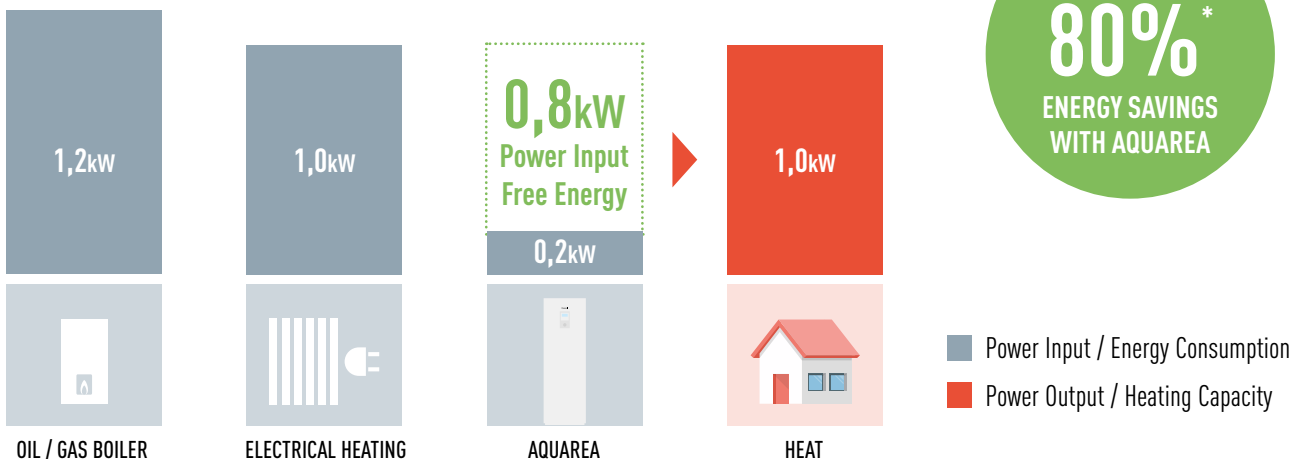
### 2 Energy savings

Based on Air to Water heat pump technology, Aquarea is highly efficient and environmentally friendly. It captures heat energy from the ambient air and transfers it to heat the water needed to warm your home and domestic hot water - it can even cool your home as required. Up to 80% of the heat energy required is taken from the ambient air - even in extremely low temperatures.

Aquarea All in One provides both domestic hot water and heat for radiators and underfloor heating from one integrated unit.



### Energy consumption comparison

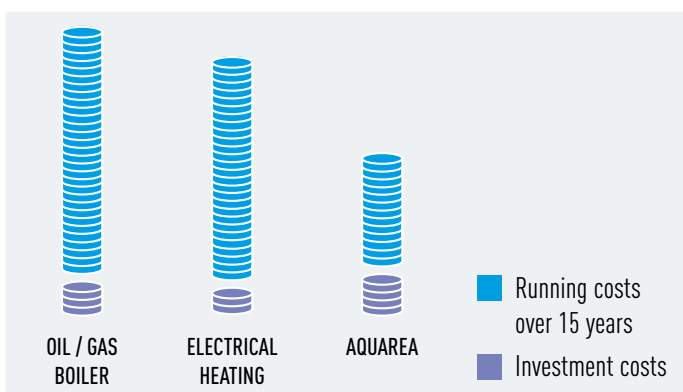


\* Rating conditions: Heating: Inside air temperature: 20°C Dry Bulb / Outside air temperature: 7°C Dry Bulb / 6°C Wet Bulb. Conditions : Water input temperature: 30°C Water output temperature: 35°C

**Aquarea All in One:** This new range intelligently integrates the best Hydrokit technology with a premium quality stainless steel tank, which is maintenance-free and also comes with a 10 year warranty. 10 Years Vessel inner tank warranty.

### 3 Helps save you money

Energy cost savings of up to €1100 a year are possible compared to conventional electric heating. Whilst initial investment may be higher than other technologies, running costs are far cheaper and with a short payback period on initial cost. Savings are significant particularly when compared to oil-fired boilers and electric heaters.



### 4 Minimum space necessary

Aquarea High Performance All in One is ideal to supply radiators or underfloor heating with temperatures up to 55°C. It also generates domestic hot water and stores it inside the high efficiency stainless steel 185 litre stainless steel built-in tank. Piping connections are at the bottom, keeping the space above the unit free for use. The wide range from 3kW to 16kW, fully adapts the system to the needs of your home.



## Aquarea High Performance: Energy saving

Aquarea High Performance delivers outstanding efficiency in heating and also in domestic hot water. Easy to maintain thanks to built in devices like water filter, water flow sensor and ready to for Smart Cloud remote service, it is also ready to operate down to -23°C.



<p><b>-23°C</b></p> <p>OPERATES DOWN TO EXTREME OUTDOOR TEMPERATURE</p>	<p><b>55°C</b></p> <p>HOT WATER SUPPLY</p>	<p><b>A CLASS</b></p> <p>WATER PUMP</p> <p>AUTO SPEED</p>	<p><b>A++</b></p> <p>ErP 55°C</p> <p>Scale from G to A++</p>	<p><b>A+++</b></p> <p>35°C SYSTEM LABEL</p> <p>Scale from G to A+++</p>	<p><b>A</b></p> <p>DHW 55°C</p> <p>Scale from G to A</p>	<p><b>EASY MAINTENANCE</b></p> <p>EASY MAINTENANCE</p>
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## Aquarea Smart Cloud

### Full control of your system via smartphone when connected with the Aquarea Smart Cloud

It enables the monitoring, evaluation and optimisation of in-house and water temperatures or energy consumption anywhere anytime. Another plus: remote service maintenance by your service provider to detect potential failures or to fix potential issues remotely, reducing response time and disruption to a minimum.



This block shows the multi-device compatibility of the Aquarea Smart Cloud system. It features a laptop, three smartphones, and a tablet, all displaying the same app interface with temperature controls and system status. A QR code is provided for easy access to the service. A note states: '\* User interface image may change without notification.'