Aquarea All in One H Generation T-CAP

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

WH-UX09HE5 WH-UX12HE8
WH-UX12HE5 WH-UX16HE8
WH-UX09HE8

Aquarea All in One H Generation T-CAP			Single Phase (Power to indoor)		Three Phase (Power to indoor)		
Kit			**KIT-AXC9HE5**	**KIT-AXC12HE5**	**KIT-AXC9HE8**	**KIT-AXC12HE8**	**KIT-AXC16HE8**
Heating capacity at +7°C (heating water at 35°C)		kW	9,00	12,00	9,00	12,00	16,00
COP at +7°C (heating water at 35°C)		W/W	4,84	4,74	4,84	4,74	4,28
Heating capacity at +2°C (heating water at 35°C)		kW	9,00	12,00	9,00	12,00	16,00
COP at +2°C (heating water at 35°C)		W/W	3,59	3,44	3,59	3,44	3,10
Heating capacity at -7°C (heating water at 35°C)		kW	9,00	12,00	9,00	12,00	16,00
COP at -7°C (heating water at 35°C)		W/W	2,85	2,72	2,85	2,72	2,49
Cooling capacity at 35°C (cooling water at 7/12°C)		kW	7,00	10,00	7,00	10,00	12,20
EER at 35°C (cooling water at 7/12°C)		W/W	3,17	2,81	3,17	2,81	2,57
Energy Efficiency Class at 35°C[1] / at 55°C[1] / at 55°C for DHW[2]			A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A	A++ / A++ / A
System label 35°C / 55°C[3]			A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Indoor unit			**WH-ADC1216H6E5**	**WH-ADC1216H6E5**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**	**WH-ADC0916H9E8**
Sound pressure	Heating / Cooling	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33
Dimensions* / Net Weight*	H x W x D	mm / kg	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126
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	6	6	9	9	9
Water volume		L	185	185	185	185	185
Maximum water temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outdoor Unit			**WH-UX09HE5**	**WH-UX12HE5**	**WH-UX09HE8**	**WH-UX12HE8**	**WH-UX16HE8**
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	51 / 49	52 / 50	55 / 54
Sound power level	Heating / Cooling	dB	68 / 67	69 / 68	68 / 67	69 / 68	72 / 71
Dimensions / Weight	H x W x D	mm / kg	1.340 x 900 x 320 / 101	1.340 x 900 x 320 / 101	1.340 x 900 x 320 / 108	1.340 x 900 x 320 / 108	1.340 x 900 x 320 / 118
Refrigerant (R410A)		kg / TCO_2 Eq.	2,85 / 5,951	2,85 / 5,951	2,85 / 5,951	2,85 / 5,951	2,90 / 6,055
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heating / Cooling	°C	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20	25 ~ 60 / 5 ~ 20

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) Scale from G to A++. 2) Scale from G to A. 3) System label with controller, scale from D to A+++. * Tentative data.

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.

ErP 55°C	ErP 35°C	DHW 55°C	INVERTER+	A CLASS WATER PUMP / AUTO SPEED	-20°C FULL CAPACITY / T-CAP	WATER AT 60°C / FLOW TEMPERATURE	DHW	-28°C HEATING MODE	WATER FILTER	CHECK VALVE	FLOW SENSOR	BOILER CONNECTION	ADVANCED CONTROL	INTERNET CONTROL	BMS / CONNECTIVITY	5 YEARS COMPRESSOR WARRANTY
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, wins!	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 T-CAP can perform full nominal capacity even at temperaturas as low as -20°C	For a house with traditional high-temperature radiators, the Aquarea HT solution is the most appropriate, can work in output water temperatures of 60°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.	Down to -28°C in heating mode. The Heat Pumps work in Heat Pump mode with an outdoor temperature as low as -28°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, and control of, 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

Panasonic Marketing Europe GmbH
Panasonic Air Conditioning
Hagenauer Strasse 43, 65203 Wiesbaden, Germany

heating & cooling solutions

Panasonic

AQUAREA ALL IN ONE T-CAP HEAT PUMP

The compact system for extremely low temperatures and real savings at home

GOOD DESIGN AWARD 2017

heating & cooling solutions

AQUAREA

Panasonic

THE PEAK OF COMFORT, EFFICIENCY AND LOW ENERGY COSTS

4 reasons why Aquarea is an ideal solution for your home

1 Wide range to suit all homes

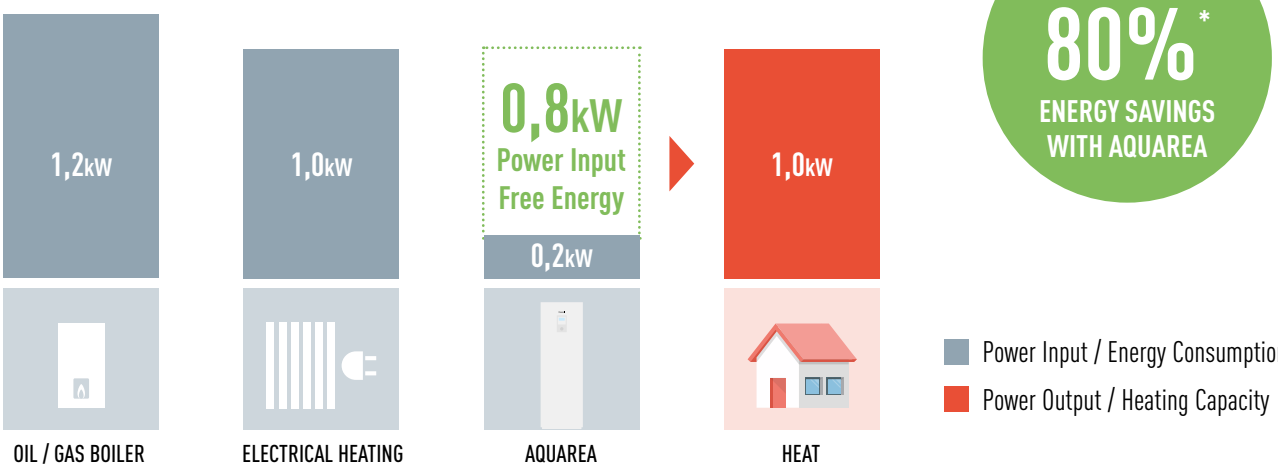
Aquarea is an innovative low-energy system, designed to provide ideal temperatures and hot water in the home, even with extreme outdoor temperatures. It is highly reliable thanks to the quality of all components, including the compressor, developed and manufactured by Panasonic. With many units to choose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

2 Heat Pump, 80% of energy for free

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, for domestic hot water and even to cool the house if wished. In this way, up to 80% of the heat energy required is taken from the ambient air - even in extremely low temperatures. adverse conditions.

Aquarea All in One T-CAP supplies with the same integrated device both domestic hot water and heat for radiators and floor heating even under extreme conditions.

Energy consumption comparison



UP TO **80%*** ENERGY SAVINGS WITH AQUAREA

* 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

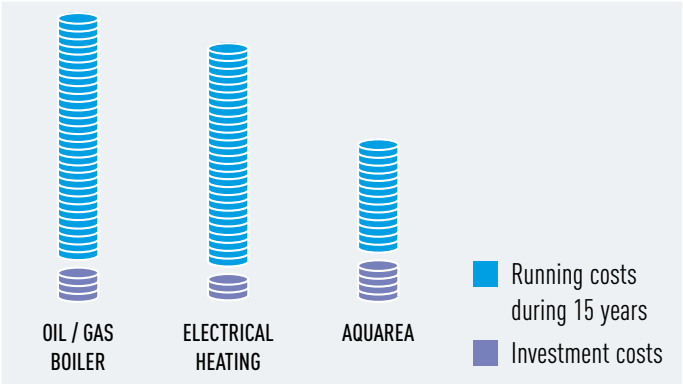
AQUAREA

Panasonic's Aquarea range of Heat Pumps deliver major energy savings thanks to its tremendous efficiency even at -20°C.

Aquarea All in One can be connected to a new line up of Aquarea Air super low temperature radiators.

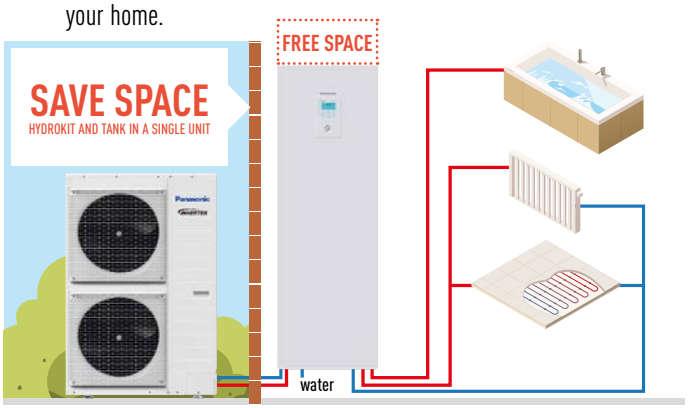
3 Helps to save you money

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 Aquarea T-CAP All in One

Aquarea T-CAP (Total Capacity) All in One is ideal to supply radiators or underfloor heating with temperatures up to 60°C. It also generates domestic hot water and stores it inside the high efficiency stainless steel 185 liter stainless steel built-in tank. Piping connections are at the bottom, keeping the space above the unit free for use. The wide range from 9kW to 16kW, fully adapts the system to the needs of your home.



COP 4,84

Aquarea T-CAP: Extreme weather and savings

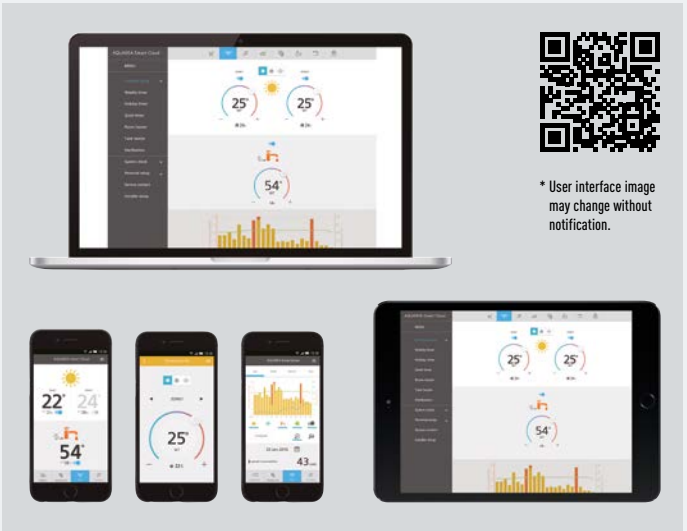
Aquarea T-CAP (Total Capacity) delivers outstanding efficiency in heating and also in domestic hot water. Specially designed to work under severe outdoor conditions, brings full capacity at -20°C and ensures constant capacity down to -15°C. The unit is ready to work down to -28°C.

-28°C	-20°C	-15°C	60°C	A++	A+++	A
OPERATES DOWN TO EXTREME OUTDOOR TEMPERATURE	NOMINAL CAPACITY	CONSTANT CAPACITY	HOT WATER SUPPLY	ErP 55°C Scale from G to A++	35°C SYSTEM LABEL Scale from G to A+++	DHW 55°C Scale from G to A

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.



* User interface image may change without notification.