

Aquarea H Generation T-CAP

Bi-bloc Single Phase / Three Phase.

Heating And Cooling - SXC



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

			Single Phase (Power to indoor)		Three Phase (Power to indoor)		
Kit			KIT-WXC09H3E5	KIT-WXC12H6E5	KIT-WXC09H3E8	KIT-WXC12H9E8	KIT-WXC16H9E8
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			▲▲+ / ▲▲+	▲▲+ / ▲▲+	▲▲+ / ▲▲+	▲▲+ / ▲▲+	▲▲+ / ▲▲+
System label 35°C / 55°C ²			▲▲+ / ▲▲+	▲▲+ / ▲▲+	▲▲+ / ▲▲+	▲▲+ / ▲▲+	▲▲+ / ▲▲+
Indoor unit			WH-SXC09H3E5	WH-SXC12H6E5	WH-SXC09H3E8	WH-SXC12H9E8	WH-SXC16H9E8
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	892 x 500 x 340 / 43	892 x 500 x 340 / 43	892 x 500 x 340 / 43	892 x 500 x 340 / 44	892 x 500 x 340 / 45
Heating water flow (ΔT=5 K, 35°C)		l/min	25,8	34,4	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	6	3	9	9
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
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 0.5m 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) Scale from G to A++. 2) 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.

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++.	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 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.	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 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

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heating & cooling solutions

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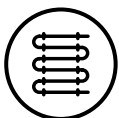


AQUAREA BI-BLOC T-CAP HEAT PUMP

For extremely low
temperatures, refurbishment
and innovation



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 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.

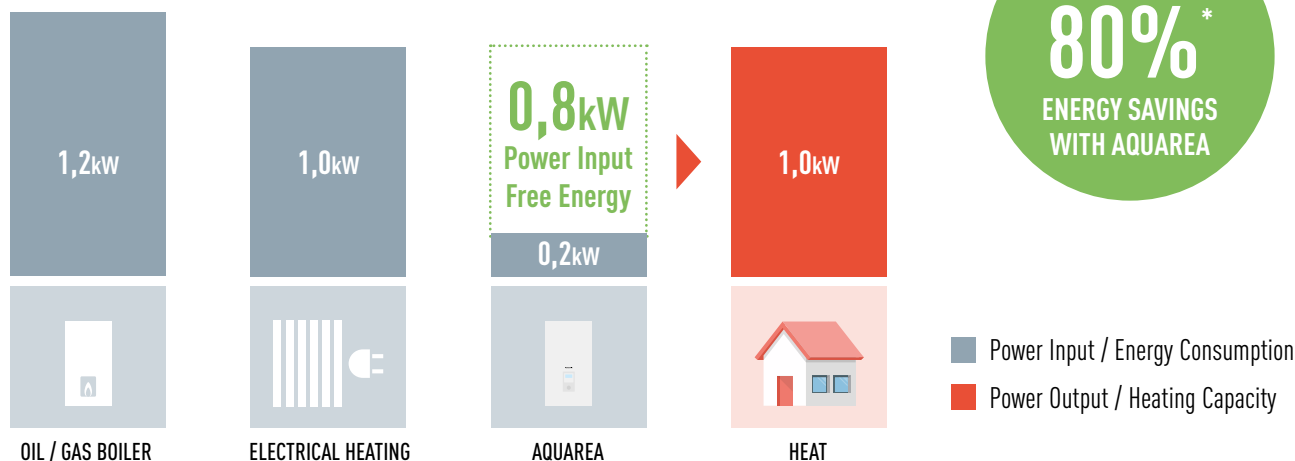
2 Heat Pump, 80% of energy for free

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.

Aquarea T-CAP supplies energy efficient hot water for radiators and underfloor heating, as well as domestic hot water even in extreme outdoor temperatures.



Energy consumption comparison

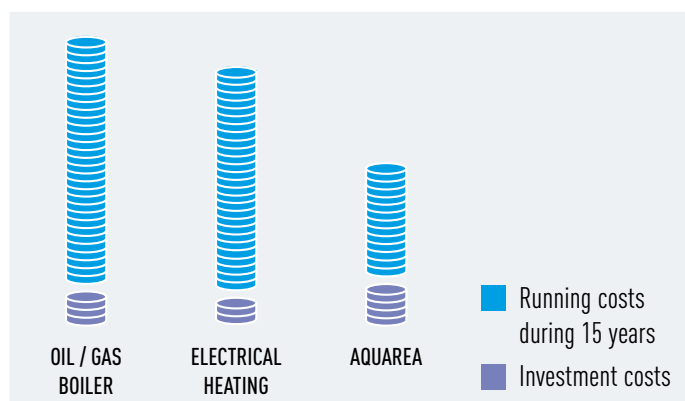


* Rating conditions: Heating: Inside air temperature: 20°C Dry Bulb / Outside air temperature: 7°C Dry Bulb / 6°C Wet Bulb. Conditions : Water input temperature: 30°C Water output temperature: 35°C

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

3 Helps you to save 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.



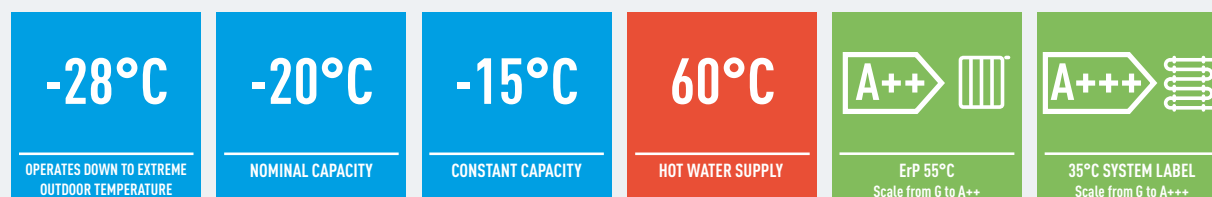
4 Aquarea T-CAP ideal for very low temperatures, refurbishment and innovation

Aquarea T-CAP is ideal to supply radiators or underfloor heating with temperatures up to 60°C. It operates as stand-alone system or combined with existing gas or oil boilers systems. The wide range from 9kW to 16kW, fully adapts the system to the needs of your home.



Aquarea T-CAP: Extreme weather and savings

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



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.

