AQUAREA T-CAP

BI-BLOC // HEATING ONLY // SXF

Indoor unit			SINGLE-PHASE		THREE-PHASE	
			WH-SXF09D3E5	WH-SXF12D6E5	WH-SXF09D3E8	WH-SXF12D9E8
Heating Capacity at +7°C		kW	9	12	9	12
COP at +7°C with heating water temperature at 35°C			4,74	4,67	4,74	4,67
Heating Capacity at -7°C		kW	9	12	9	12
COP at -7°C with heating water temperature at 35 °C			2,81	2,7	2,81	2,7
Heating Capacity at -15°C		kW	9	12	9	12
COP at -15°C with heating water temperature at 35°C			2,54	2,43	2,54	2,43
Operation Range	Outdoor Ambient	°C	–20 to 35	–20 to 35	–20 to 35	–20 to 35
	Water Outlet (at-2/-7/-15) 2)	°C	25 – 55	25 – 55	25 – 55	25 – 55

BI-BLOC // HEATING AND COOLING // SXC

Indoor unit			SINGLE-PHASE		THREE-PHASE	
			WH-SXC09D3E5	WH-SXC12D6E5	WH-SXC09D3E8	WH-SXC12D9E8
Heating Capacity at +7°C		kW	9	12	9	12
COP at +7°C with heating water temperature at 35°C			4,74	4,67	4,74	4,67
Heating Capacity at -7°C		kW	9	12	9	12
COP at -7°C with heating water temperature at 35°C			2,81	2,7	2,81	2,7
Heating Capacity at -15°C		kW	9	12	9	12
COP at -15°C with heating water temperature at 35°C			2,54	2,43	2,54	2,43
Operation Range	Outdoor Ambient	°C	–20 to 35	–20 to 35	–20 to 35	–20 to 35
	Water Outlet (at-2/-7/-15) 2)	°C	25 – 55	25 – 55	25 – 55	25 – 55

MONO-BLOC // HEATING ONLY // MXF

Outdoor unit			SINGLE-PHASE		THREE-PHASE	
			WH-MXF09D3E5	WH-MXF12D6E5	WH-MXF09D3E8	WH-MXF12D9E8
Heating Capacity at +7°C		kW	9	12	9	12
COP at +7°C with heating water temperature at 35°C			4,74	4,67	4,74	4,67
Heating Capacity at -7°C		kW	9	12	9	12
COP at -7°C with heating water temperature at 35 °C			2,81	2,7	2,81	2,7
Heating Capacity at -15°C		kW	9	12	9	12
COP at -15°C with heating water temperature at 35°C			2,54	2,43	2,54	2,43
Operation Range	Outdoor Ambient	°C	–20 to 35	–20 to 35	–20 to 35	–20 to 35
	Water Outlet (at-2/-7/-15) 2)	°C	25 – 55	25 – 55	25 – 55	25 – 55

MONO-BLOC // HEATING AND COOLING// MXC

Outdoor unit			SINGLE-PHASE		THREE-PHASE	
			WH-MXC09D3E5	WH-MXC12D6E5	WH-MXC09D3E8	WH-MXC12D9E8
Heating Capacity at +7°C		kW	9	12	9	12
COP at +7°C with heating water temperature at 35°C			4,74	4,67	4,74	4,67
Heating Capacity at -7°C		kW	9	12	9	12
COP at -7°C with heating water temperature at 35°C			2,81	2,7	2,81	2,7
Heating Capacity at -15°C			9	12	9	12
COP at -15°C with heating water temperature at 35°C			2,54	2,43	2,54	2,43
Operation Range	Outdoor Ambient	°C	–20 to 35	–20 to 35	–20 to 35	–20 to 35
	Water Outlet (at-2/-7/-15) 2)	°C	25 – 55	25 – 55	25 – 55	25 – 55

OPTIONAL SANITARY TANK

SANITARY TANK			WH-TD20B3E5	WH-TD30B3E5
Water volume		L	198	287
Max. water temperature		°C	75	75
Dimension	Hight	mm	1.150	1.600
	Diameter		580	580
Weight		kg	46	60
Electric heater		kW	3	3
Power supply			Single Phase	Single Phase
Material inside tank			Inox	Inox

energysaving

high efficiency heating — INVERTER+

INVERTER+ SYSTEM
The A Inverter+ system provides energy savings of up to 30% compared to non inverter models. You win and nature wins.

environmentally friendly refrigerant — R410A

REFRIGERANT R410A
R410A offers optimal performance and involves no environmental cost since it does not harm the ozone layer.

down to -20°C in heating mode — OUTDOOR TEMPERATURE

UP TO -20°C IN HEATING MODE
The heat pump works in heat pump mode with an outdoor temperature as low as -20ºC.

highconnectivity

boiler connection — RETROFIT

RENOVATION
Our Aquarea heat pumps can be connect to an existing or new boiler for optimum comfort even at very low outside temperatures.

solar panels connection — SOLAR KIT

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

domestic hot water — DHW

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

Panasonic®

To find out how Panasonic cares for you, log on to: www.panasonic.co.uk/aircon

Contact Details:
E-mail: paul.taylor@eu.panasonic.com
Telephone: 01344 853182
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Berkshire
RG12 8FP

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ideas for life

AQUAREA T-CAP // AIR TO WATER HEAT PUMP // HEATING AND COOLING SYSTEMS 2011

INNOVATIVE SOLUTION FOR HEATING

AQUAREA
engineered for high performance

heatingandcoolingsystems

INNOVATIVE SOLUTION FOR HEATING

NEW 2011

100% capacity at -15°C
AQUAREA T-CAP

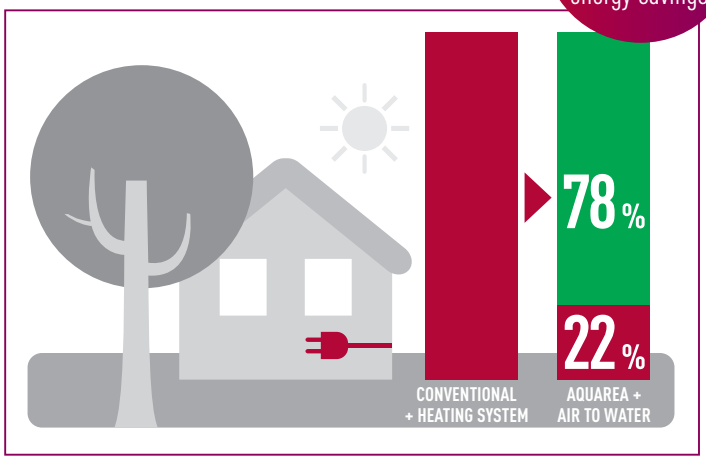
AQUAREA T-CAP. NEW AIR-TO-WATER HEAT PUMP

COST-EFFECTIVE AND ENVIRONMENTALLY FRIENDLY, PANASONIC'S NEW AQUAREA AIR-TO-WATER SYSTEM PROVIDES MAXIMUM EFFICIENCY AND CAPACITY UP TO -20 °C

UP TO 78% energy savings[1)]

Panasonic's new Aquarea system, based on high-efficiency heat pump technology, not only heats your home and hot water, but also cools your home in summer with incredible performances. This creates perfect comfort whatever the weather conditions, even at outdoor temperatures as low as -20°C.

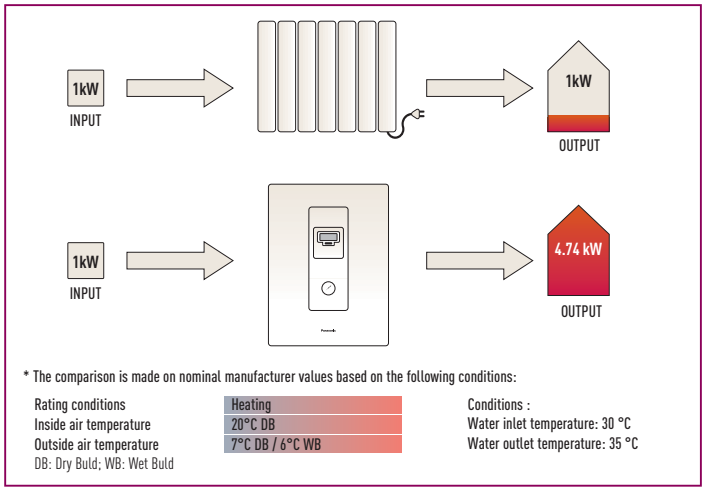
At the forefront of energy innovation, Aquarea is resolutely positioned as a "green" heating and air-conditioning system.
Aquarea is part of a new generation of heating and air-conditioning systems that use a renewable, free energy source – the air – to heat or cool the home and to produce hot water. The Aquarea heat pump is a much more flexible and cost-effective alternative to a traditional fossil fuel boiler.



UP TO 78% ENERGY SAVINGS[1)]

Panasonic's Aquarea heat pump provides savings of up to 78% on heating expenses compared with electrical heaters. For example, the Aquarea system of 9 kW has a COP of 4.74 which means that for every kW of electricity consumed, it returns 4.74 kW of energy, i.e. 3.74 kW more than a conventional electrical heating system which has a maximum COP of 1. This is equivalent to a 78% saving.
Consumption can be further reduced by connecting solar panels to the Aquarea system.

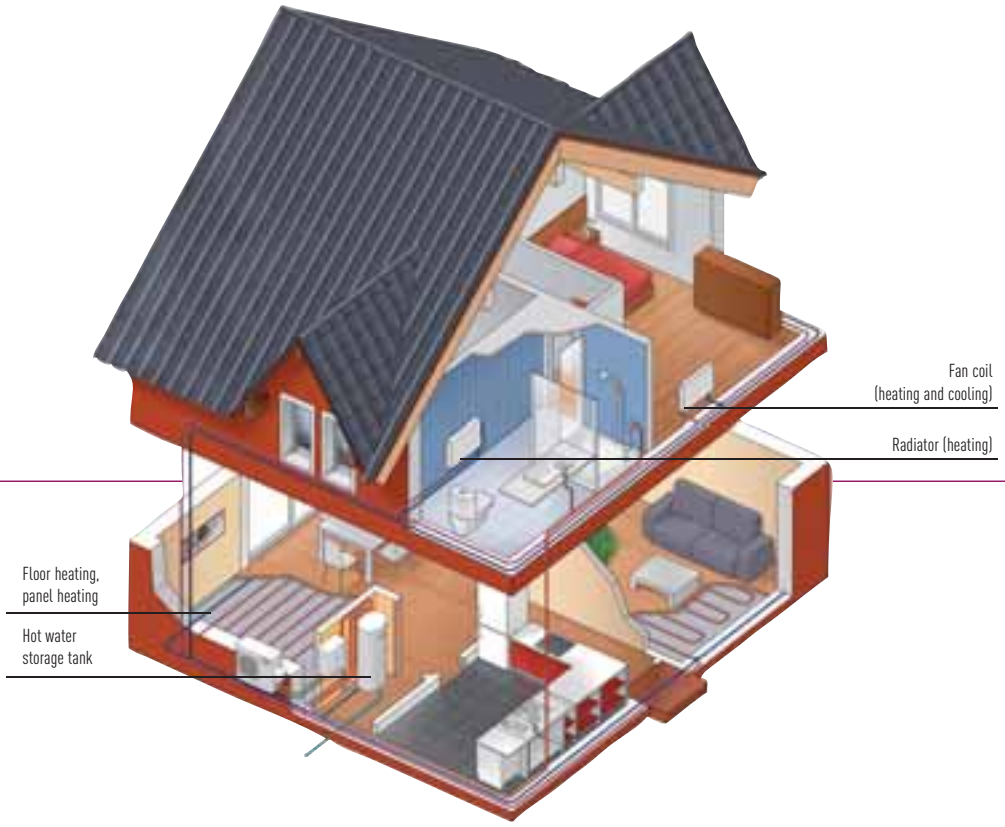
1) Up to 78% of the heat produced by a heat pump is free, since it comes from the outdoor air.



* The comparison is made on nominal manufacturer values based on the following conditions:

Rating conditions	Heating	Conditions :
Inside air temperature	20°C DB	Water inlet temperature: 30 °C
Outside air temperature	7°C DB / 6°C WB	Water outlet temperature: 35 °C
DB: Dry Buld; WB: Wet Buld		

AQUAREA
engineered for high performance



A COMPACT DESIGN: EASY TO INSTALL AND MAINTAIN

Aquarea is a very easy heating and air conditioning system to install either in new or old buildings.

Panasonic's Aquarea air to water system provides a considerable reduction on installation and maintenance costs. For new buildings, no drilling or excavation work is necessary to capture the heat, unlike geothermal installations, nor any gas connection, chimneys or fuel reservoirs. For retrofits or refurbishing, it is easy to connect to an existing heating system with low-temperature radiators or a radiant floor.

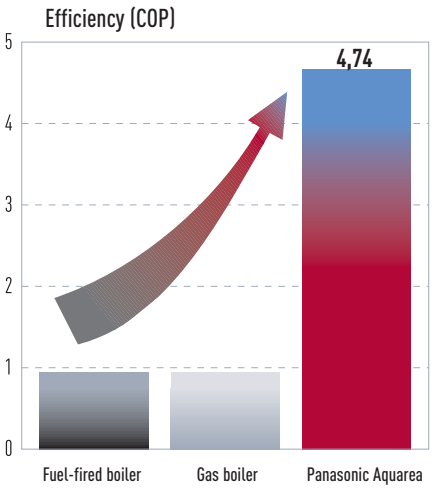
COMFORT, SAVINGS AND POWER EVEN AT VERY LOW TEMPERATURES

Panasonic's inverter+ system

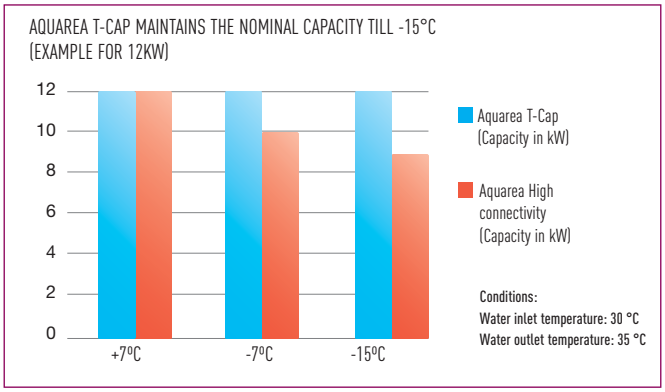
After quickly reaching the selected temperature, the Inverter+ system will gradually adjust the power in order to maintain a constant temperature. Thus, there will not be any sudden changes in temperature and the capacity of the power also guarantees a constant and pleasant temperature, even when the outside temperature changes.

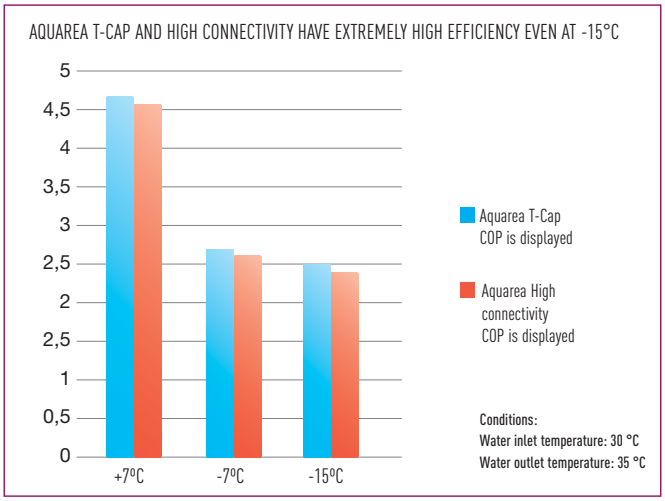
HEAT PUMPS: MORE EFFICIENT THAN OTHER HEATING SYSTEMS

Panasonic heat pumps have a maximum COP of 4.74 at + 7°C which makes them much more efficient than fuel-fired boilers, gas boilers and electrical heaters.



100% CAPACITY AT -15ºC





Aquarea T-cap always has high efficiency and high heating capacity even at extremely low temperatures. With Aquarea T-Cap, you can always enjoy high savings.

* Availability: Aquarea T-CAP Single phase. June 2011; Aquarea T-CAP Three phase: September 2011; Aquarea HT: December 2011.
** Tentative spec, Conditions : Water inlet temperature: 30 °C. Water outlet temperature: 35 ° C ; outside temperature: +7°C