

NEW AQUAREA HT

Panasonic



New Aquarea HT Ideal for retrofit

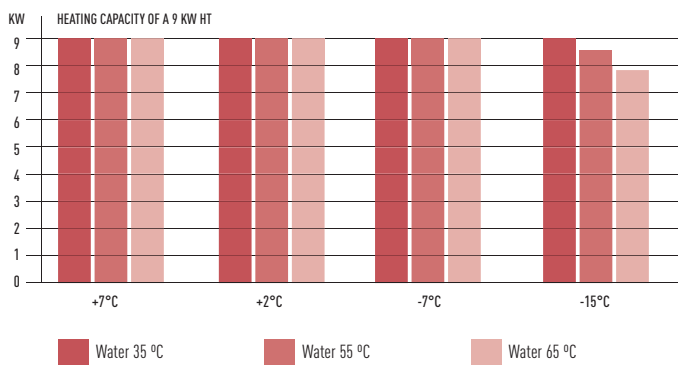
Green energy source works with existing radiators. For 9 and 12 kW

AQUAREA

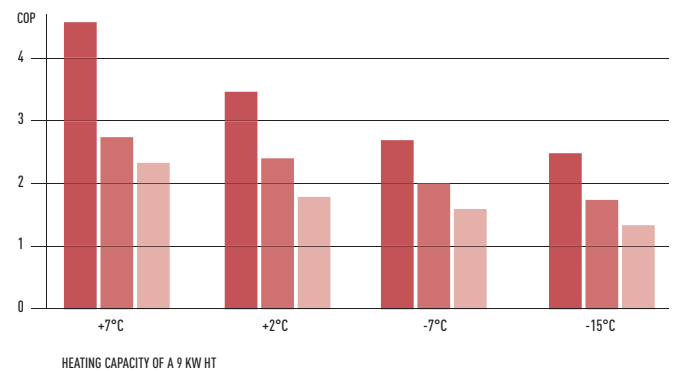
IDEAL FOR
RETROFIT

Replace a traditional heating source (such as oil or gas) with Aquarea HT, but keep existing old style radiators for minimum disruption to the home. From 9 to 12kW. For a house with traditional high-temperature radiators (such as cast iron radiators), the Aquarea HT Solution is the most appropriate as the Aquarea HT provides output water temperatures of 65°C even at outdoor temperatures as low as -15°C.

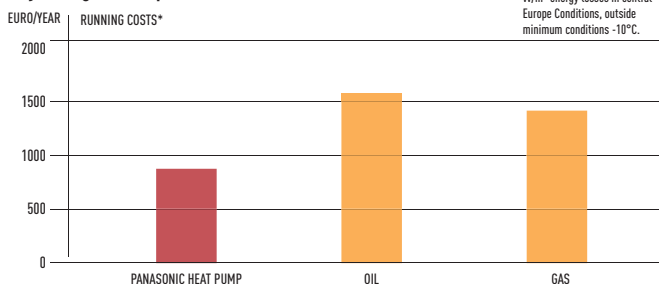
Panasonic Aquarea HT is super efficient even at low temperature



HIGH COP (Coefficient of Performance) During all year and always better than Gas or Oil burning



Yearly savings with Aquarea HT



* For a 170 m² house and 40 W/m² energy losses in central Europe Conditions, outside minimum conditions -10°C.

Aquarea HT: High savings and low CO₂

The results of replacing traditional heating systems with Aquarea HT are clear: lowest running cost and lowest CO₂ emissions. Panasonic heat pumps are much more efficient than gas boilers and help you to reach your house energy targets easier.



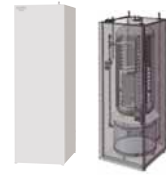
AQUAREA HT BI-BLOC SINGLE PHASE / THREE PHASE HEATING ONLY - SHF					
		Single Phase (Power to indoor)		Three Phase (Power to indoor)	
Kit		KIT-WHF09F3E5	KIT-WHF12F6E5	KIT-WHF09F3E8	KIT-WHF12F9E8
Indoor unit		WH-SHF09F3E5	WH-SHF12F6E5	WH-SHF09F3E8	WH-SHF12F9E8
Outdoor unit		WH-UH09FE5	WH-UH12FE5	WH-UH09FE8	WH-UH12FE8
Heating capacity at +7°C	kW	9,00	12,00	9,00	12,00
COP at +7°C (heating water at 35°C)		4,64	4,46	4,64	4,46
Heating capacity at +2°C	kW	9,00	12,00	9,00	12,00
COP at +2°C (heating water at 35°C)		3,45	3,26	3,45	3,26
Heating capacity at -7°C	kW	9,00	12,00	9,00	12,00
COP at -7°C (heating water at 35°C)		2,74	2,52	2,74	2,52
Heating capacity at +7°C	kW	9,00	12,00	9,00	12,00
COP at +7°C (heating water at 65°C)		2,25	2,20	2,25	2,20
Heating capacity at +2°C	kW	9,00	10,30	9,00	10,30
COP at +2°C (heating water at 65°C)		1,88	1,83	1,88	1,83
Heating capacity at -7°C	kW	8,90	9,60	8,90	9,60
COP at -7°C (heating water at 65°C)		1,64	1,61	1,64	1,61
Dimensions (Indoor)	H x W x D	mm / kg	892 x 502 x 353 / 46	892 x 502 x 353 / 47	892 x 502 x 353 / 48
Dimensions (Outdoor)	H x W x D	mm / kg	1.340 x 900 x 320 / 104	1.340 x 900 x 320 / 104	1.340 x 900 x 320 / 110
Sound pressure level		dB(A)	49	50	49
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35



AQUAREA HT MONO-BLOC SINGLE PHASE / THREE PHASE HEATING ONLY - MHF						
		Single Phase		Three Phase		
Kit		WH-MHF09D3E5	WH-MHF12D6E5	WH-MHF09D3E8	WH-MHF12D9E8	
Heating capacity at +7°C		kW	9,00	12,00	9,00	12,00
COP at +7°C (heating water at 35°C)			4,55	4,40	4,55	4,40
Heating capacity at +2°C		kW	9,00	12,00	9,00	12,00
COP at +2°C (heating water at 35°C)			3,40	3,23	3,40	3,23
Heating capacity at -7°C		kW	9,00	12,00	9,00	12,00
COP at -7°C (heating water at 35°C)			2,70	2,50	2,70	2,50
Heating capacity at +7°C		kW	9,00	12,00	9,00	12,00
COP at +7°C (heating water at 65°C)			2,25	2,20	2,25	2,20
Heating capacity at +2°C		kW	9,00	10,30	9,00	10,30
COP at +2°C (heating water at 65°C)			1,88	1,83	1,88	1,83
Heating capacity at -7°C		kW	8,90	9,60	8,90	9,60
COP at -7°C (heating water at 65°C)			1,62	1,61	1,62	1,61
Sound pressure level		dB(A)	49	50	49	50
Dimensions		H x W x D	mm	1.410 x 1.283 x 320	1.410 x 1.283 x 320	1.410 x 1.283 x 320
Weight			kg	155	155	158
Pump		No. of Speed		3	3	3
		Input Power (Max.)	W	190	190	190
Operation range		Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35

TANKS	Stainless Steel Tank		Enamelled Tank			Enamelled high efficiency Tank		Enamelled 2 coils Tank (for bivalent Solar + HP)	
	WH-TD20E3E5	WH-TD30E3E5-1*	PAW-TE20E3STD*	PAW-TE30E3STD*	PAW-TE50E3STD*	PAW-TE20E3HI*	PAW-TE30E3HI*	PAW-TE30C2E3STD*	
Water volume	L	200	300	190	290	440	200	288	287
Maximum water temperature	°C	75	75	95	95	95	95	95	95
Dimensions Height / Diameter	mm	1.150 / 580	1.600 / 580	1.432 / 540	1.794 / 600	1.921 / 700	1.804 / 600	1.294 / 700	1.294 / 700
Weight	kg	49	65	65	85	222	78	139	145
Electric heater	kW	3	3	3	3	3	3	3	3
Power supply	V	230	230	230	230	230	230	230	230
Material inside tank		Stainless steel	Stainless steel	Enamelled	Enamelled	Enamelled	Enamelled	Enamelled	
Exchange surface	m²	1,4	1,8	1,90	2,55	6,20	2,25	3,20	2,4 (for HP) +1,1 (for solar or boiler)
Energy loss at 65°C¹	kWh/24h	1,9	2,3	1,6	1,8	2,4	1,2	1,8	2,7
3 Way valve included		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
20 m temperature sensor cable included		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Heat up time	Valuation	★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Energy losses	Valuation	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Efficiency of the tank	Valuation	★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Warranty		10 years	10 years	7 years	7 years	7 years	7 years	7 years	7 years
Maintenance required		No	No	Yearly	Yearly	Yearly	Yearly	Yearly	Yearly

1) Insulated tested under EN12897. // * Available from March 2014.



AQUAREA TANK

AQUAREA TANK. TANKS AND BUFFER TANK IN ONE!		
Tanks and buffer tank in one!		Standard Sanitary
Model		PAW-TD20B8E3-NDS
Water volume	L	185 (for DHW tank) / 80 (for buffer tank)
Maximum water temperature	°C	100
Dimension H x W x D	mm	1.810 x 600 x 632
Weight	kg	150
Electric heater	kW	3
Power supply	V	230 - 2p
Material inside tank		Stainless steel
Exchange surface	m²	2,3
Energy loss at 65°C¹	kWh/24h	1,3
A class pump	Number of speed	Stepless (800-4250 rpm)
	Pressure drop (Min / Max) kPa	5 / 6
	Input power (Min / Max) W	3 / 45
3 Way valve included		Yes
Safety thermostat with contact for failure part of E-Heating		Yes
Location of the electrical heater		Mid
Electrical backup heater on the buffer tank		Optional

Internet Control Ready

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

Output water 65 °C

Aquaarea HT Solution is the most appropriate as the Aquaarea HT can work in output water temperatures of 65°C even at outdoor temperatures as low as -20°C.

High efficiency heating

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

Environmentally friendly refrigerant

Refrigerant R410A / R407C. R410A / R407C offers optimal performance and involves no environmental cost since it does not harm the ozone layer.

Down to -20 °C in heating mode

Up to -20°C in Heating Mode. The Heat Pumps works in heat pump mode with an outdoor temperature as low as -20°C.

Boiler connection

Renovation. Our Aquaarea heat pumps can be connected to an existing or new boiler for optimum comfort even at very low outdoor temperatures.

Solar panels connection

Solar Kit. For even greater efficiency, our Aquaarea heat pumps can be connected to photovoltaic solar panels with an optional kit.

Domestic hot water

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

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.

5 year compressor warranty

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

Panasonic

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

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