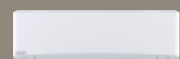


NEW PRODUCTS 2019

THE WORLD OF HEATING AND COOLING
IS CHANGING WITH PANASONIC



heating & cooling solutions



PANASONIC: ECO & SMART IDEAS FOR A SUSTAINABLE LIFESTYLE



A better life, a better world.
Panasonic is creating a safe and secure society with clean energy.



AQUAREA

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DOMESTIC

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COMMERCIAL

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PRO CLUB. THE PROFESSIONAL WEBSITE OF PANASONIC



Panasonic has an impressive range of support services for designers, specifiers, engineers and distributors working in the heating and cooling markets. Panasonic PRO Club is the online tool which makes your life easier! You just have to register and a lot of functionalities are freely available to you, where ever you are, from your computer or smartphone!

VRF Designer

Building on the success of the ECOi VRF Designer software, this package provides air conditioning system designers, installers and dealers with a program to design and size projects for Panasonic's VRF ranges.



Aquarea Designer

Panasonic provides bespoke software helping system designers, installers and dealers to very quickly design and size systems, create wiring diagrams and issue bills of quantities at the push of a button.



Panasonic helps you to calculate the system label

From 26th September 2015, installers can be assured that all products manufactured after this date will be sold with the required ErP labels which will aid installers with their paperwork. While it is the manufacturer's responsibility to issue their products with the required labels, the installers will need to calculate and issue an efficiency label for the entire heating system. Whether installing a new heating system or installing new boilers, controls or renewables into an existing system, it is, and will continue to be, the installer's responsibility to calculate and issue efficiency labels. Calculators which assist installers with this process are available on the Panasonic Heating and Cooling Solutions website.



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AQUAREA

WELCOME TO AQUAREA AIR TO WATER HEAT PUMP

Aquarea's new Air to Water Heat Pump for residential and commercial applications. Offering capacities from 3kW all the way through to 16kW, the Aquarea Heat Pump Range is the widest on the market, ensuring a system is available, whatever your heating and cooling needs. Suitable for new build and refurbishment projects, the solutions are cost-effective with minimised environmental impact.

New Aquarea H Generation A+++.

The beauty of comfort. The new H Generation is being introduced ranging from 3 to 16kW. The small capacity units are specially designed for low energy homes and achieve an impressive COP of 5 (on the 3kW).



New All in One H Generation.

The new All in One solution from 3 to 16kW with 200L stainless tank with free maintenance. The "A" class pump provides a small foot print and ideal solution for new, retrofit homes.

New Mono-Bloc Generation.

The "A" class water pump equipped with the new remote controller maximises savings while improving the performance and comfort.



Aquarea Smart Cloud for professionals.

Aquarea Smart Cloud will activate remote maintenance service while end user is controlling and monitoring its heating and DHW remotely. This remote maintenance will save time, installation visits by connecting Aquarea to a powerful cloud infrastructure. Remote checker, remote error codes, remote set up functions... all this will be possible by installers with CZ-TAW1 and end user acceptance.

New accessories for Aquarea.

Aquarea Heat Pumps have available a wide list of high valuable accessories. Such as high class tanks, Combo Tanks, Fan Coils, interfaces, and other accessories that will ensure the high performance of the heating solution.



AQUAREA HEAT PUMPS LINE-UP

	3kW	5kW	7kW
Aquarea High Performance	Bi-bloc 1 Phase 3 Phase   WH-SDC03H3E5-1 WH-UD03HE5-1	Bi-bloc 1 Phase 3 Phase   WH-SDC05H3E5-1 WH-UD05HE5-1	Bi-bloc 1 Phase 3 Phase   WH-SDC07H3E5-1 WH-UD07HE5-1
	Mono-bloc 1 Phase   WH-MDC05H3E5	Mono-bloc 1 Phase 3 Phase   WH-MDC07H3E5	
Aquarea T-CAP	Bi-bloc 1 Phase 3 Phase 		
	Mono-bloc 1 Phase 3 Phase 		
Aquarea HT	Bi-bloc 1 Phase 3 Phase 		
	Mono-bloc 1 Phase 		

9kW



WH-SDC09H3E5-1
WH-UD09HE5-1
WH-SDC09H3E8
WH-UD09HE8

12kW



WH-SDC12H6E5
WH-UD12HE5
WH-SDC12H9E8
WH-UD12HE8

16kW



WH-SDC16H6E5
WH-UD16HE5
WH-SDC16H9E8
WH-UD16HE8



WH-MDC09H3E5



WH-MDC12H6E5



WH-MDC16H6E5



WH-SXC09H3E5
WH-UX09HE5
WH-SXC09H3E8
WH-UX09HE8



WH-SXC12H6E5
WH-UX12HE5
WH-SXC12H9E8
WH-UX12HE8



WH-SXC16H9E8
WH-UX16HE8



WH-MXC09H3E5
WH-MXC09H3E8



WH-MXC12H6E5
WH-MXC12H9E8



WH-MXC16H9E8



WH-SHF09F3E5
WH-UH09FE5
WH-SHF09F3E8
WH-UH09FE8



WH-SHF12F6E5
WH-UH12FE5
WH-SHF12F9E8
WH-UH12FE8



WH-MHF09G3E5



WH-MHF12G6E5



**GOOD
DESIGN
AWARD
2017**



CZ-TAW1
Cloud connection. For
user control and installer
remote maintenance.

Aquarea High Performance Bi-bloc H Generation Single Phase. Heating and Cooling - SDC • R410A Gas

			Single Phase Heating and Cooling			
Indoor unit			WH-SDC03H3E5-1	WH-SDC05H3E5-1	WH-SDC07H3E5-1	WH-SDC09H3E5-1
			€	€	€	€
Outdoor unit			WH-UD03HE5-1	WH-UD05HE5-1	WH-UD07HE5-1	WH-UD09HE5-1
			€	€	€	€
Kit Price			€	€	€	€
Heating capacity / COP [A +7°C, W 35°C]	kW / COP		3,20/5,00	5,00/4,63	7,00/4,46	9,00/4,13
Heating capacity / COP [A +7°C, W 55°C]	kW / COP		3,20/2,67	5,00/2,65	6,80/2,63	8,90/2,41
Heating capacity / COP [A +2°C, W 35°C]	kW / COP		3,20/3,56	4,20/3,11	6,55/3,34	6,70/3,13
Heating capacity / COP [A +2°C, W 55°C]	kW / COP		3,20/2,15	4,10/1,98	6,00/1,99	6,00/1,99
Heating capacity / COP [A -7°C, W 35°C]	kW / COP		3,20/2,69	4,20/2,59	5,15/2,68	5,90/2,52
Heating capacity / COP [A -7°C, W 55°C]	kW / COP		3,20/1,72	3,55/1,71	4,80/1,89	5,80/1,88
Cooling capacity / EER [A 35°C, W 7°C]	kW / EER		3,20/3,08	4,50/2,69	6,00/2,63	7,00/2,43
Cooling capacity / EER [A 35°C, W 18°C]	kW / EER		3,30/3,75	5,00/3,76	6,00/3,57	7,00/3,26
Seasonal energy efficiency - Heating Average Climate [W35°C / W55°C]	ETA %		195/130	195/130	190/130	190/130
	SCOP		4,95/3,33	4,95/3,33	4,83/3,33	4,83/3,33
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A++ to G		A++ / A++	A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A+++ to D		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate [W35°C / W55°C]	ETA %		244/163	244/163	225/160	225/160
	SCOP		6,18/4,15	6,18/4,15	5,70/4,08	5,70/4,08
Energy Class Heating Warm Climate [W35°C / W55°C]	A++ to G		A++ / A++	A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Warm Climate [W35°C / W55°C]	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate [W35°C / W55°C]	ETA %		150/103	150/103	160/115	160/115
	SCOP		3,83/2,65	3,83/2,65	4,08/2,95	4,08/2,95
Energy Class Heating Cold Climate [W35°C / W55°C]	A++ to G		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Energy Class Heating Cold Climate [W35°C / W55°C]	A+++ to D		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit						
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	30/30	30/30
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	44	44	44	44
Water pipe connector		Inch	R1	R1	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	30/100	33/106	34/114	40/120
Heating water flow [ΔT=5 K, 35°C]		L/min	9,2	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	15/30	15/30	15/30	15/30
Recommended cable size, supply 1 / 2		mm	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5
Outdoor unit						
Sound power full load	Heat / Cool	dB	64/65	65/66	68/66	69/68
Dimension	H x W x D	mm	622 x 824 x 298	622 x 824 x 298	795 x 900 x 320	795 x 900 x 320
Net weight		kg	39	39	66	66
Refrigerant [R410A] / CO ₂ Eq.		kg / T	1,20/2,506	1,20/2,506	1,45/3,028	1,45/3,028
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 {6,35} / 1/2 {12,70}	1/4 {6,35} / 1/2 {12,70}	1/4 {6,35} / 5/8 {15,88}	1/4 {6,35} / 5/8 {15,88}
Pipe length range		m	3 ~ 15	3 ~ 15	3 ~ 40	3 ~ 40
Elevation difference (in/out)		m	5	5	30	30
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	20	20	30	30
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20	20 ~ 55 / 5 ~ 20
3rd Party tested Sound power at Quiet Mode 3 ²⁾		dB	52	58	57	59
Accessories			Price €			
CZ-NV1	3 way valve Kit for inside of hydrokit		481,00			
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN		442,00			

EER and COP calculation is based in accordance to EN14511. 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).

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) Third party tested sound power at Quiet mode 3 [A +7°C, W 55°C].



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



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquaarea High Performance Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SDC • R410A Gas

			Single Phase Heating and Cooling		Three Phase (Power to indoor)		
Indoor unit			WH-SDC12H6E5	WH-SDC16H6E5	WH-SDC09H3E8	WH-SDC12H9E8	WH-SDC16H9E8
			€	€	€	€	€
Outdoor unit			WH-UD12HE5	WH-UD16HE5	WH-UD09HE8	WH-UD12HE8	WH-UD16HE8
			€	€	€	€	€
Kit Price			€	€	€	€	€
Heating capacity / COP (A +7°C, W 35°C)	kW / COP		12,00/4,74	16,00/4,28	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7°C, W 55°C)	kW / COP		12,00/2,88	14,50/2,68	9,00/2,94	12,00/2,88	14,50/2,68
Heating capacity / COP (A +2°C, W 35°C)	kW / COP		11,40/3,44	13,00/3,28	9,00/3,59	11,40/3,44	13,00/3,28
Heating capacity / COP (A +2°C, W 55°C)	kW / COP		9,10/2,20	9,80/2,17	8,80/2,23	9,10/2,20	9,80/2,17
Heating capacity / COP (A -7°C, W 35°C)	kW / COP		10,00/2,73	11,40/2,57	9,00/2,85	10,00/2,73	11,40/2,57
Heating capacity / COP (A -7°C, W 55°C)	kW / COP		8,20/1,92	9,00/1,82	7,90/2,05	8,20/1,92	9,00/1,82
Cooling capacity / EER (A 35°C, W 7°C)	kW / EER		10,00/2,81	12,20/2,56	7,00/3,17	10,00/2,81	12,20/2,56
Cooling capacity / EER (A 35°C, W 18°C)	kW / EER		10,00/4,17	12,20/4,12	7,00/4,61	10,00/4,17	12,20/4,12
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)	ETA %		190/134	190/130	190/133	190/134	190/130
	SCOP		4,83/3,43	4,83/3,33	4,83/3,40	4,83/3,43	4,83/3,33
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A++ to G		A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A+++ to D		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)	ETA %		245/159	245/169	245/159	245/159	245/169
	SCOP		6,20/4,05	6,20/4,3	6,20/4,05	6,20/4,05	6,20/4,30
Energy Class Heating Warm Climate (W35°C / W55°C)	A++ to G		A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Energy Class Heating Warm Climate (W35°C / W55°C)	A+++ to D		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)	ETA %		168/121	168/121	168/121	168/121	168/121
	SCOP		4,28/3,10	4,28/3,10	4,28/3,10	4,28/3,10	4,28/3,10
Energy Class Heating Cold Climate (W35°C / W55°C)	A++ to G		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+
Energy Class Heating Cold Climate (W35°C / W55°C)	A+++ to D		A+++/A+	A+++/A+	A+++/A+	A+++/A+	A+++/A+
Indoor unit							
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	44	45	44	45	45
Water pipe connector		Inch	R1	R1	R1	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	34/110	30/105	32/102	34/110	30/105
Heating water flow (ΔT=5 K, 35°C)		L/min	34,4	45,9	25,8	34,4	45,9
Capacity of integrated electric heater		kW	6	6	3	9	9
Recommended fuse		A	30/30	30/30	15/30	15/30	15/30
Recommended cable size, supply 1 / 2		mm	3x4,0 or 6,0/3x4,0	3x4,0 or 6,0/3x4,0	5x1,5/3x1,5	5x1,5/3x1,5	5x1,5/3x1,5
Outdoor unit							
Sound power full load	Heat / Cool	dB	69/68	72/72	68/67	69/68	72/72
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	101	101	107	107	107
Refrigerant (R410A) / CO ₂ Eq.		kg / T	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range		m	3~50	3~50	3~30	3~30	3~30
Elevation difference (in/out)		m	30	30	30	30	30
Pipe length for additional gas		m	10	10	10	10	10
Additional gas amount		g/m	50	50	50	50	50
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20
3rd Party tested Sound power at Quiet Mode 3 ²⁾		dB	65	65	63	65	66

Accessories		Price €
CZ-NV1	3 way valve Kit for inside of hydrokit	481,00
CZ-TAW1	Aquaarea Smart Cloud for remote control and maintenance through wireless or wired LAN	442,00

EER and COP calculation is based in accordance to EN14511. 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).
1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) Third party tested sound power at Quiet mode 3 (A +7°C, W 55°C).



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



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquarea High Performance Mono-bloc H Generation Single Phase. Heating and Cooling - MDC • R410A Gas

			Single Phase Heating and Cooling					
Outdoor unit			WH-MDC05H3E5	WH-MDC07H3E5	WH-MDC09H3E5	WH-MDC12H6E5	WH-MDC16H6E5	
€			4.366,00	4.769,00	4.792,00	5.992,00	7.053,00	
Heating capacity / COP (A +7°C, W 35°C)		kW / COP	5,00/5,08	7,00/4,52	9,00/4,29	12,00/4,74	16,00/4,28	
Heating capacity / COP (A +7°C, W 55°C)		kW / COP	5,00/2,84	7,00/2,83	9,00/2,72	12,00/2,93	14,50/2,72	
Heating capacity / COP (A +2°C, W 35°C)		kW / COP	4,80/3,36	6,60/3,30	6,80/3,18	11,40/3,44	13,00/3,28	
Heating capacity / COP (A +2°C, W 55°C)		kW / COP	4,00/2,33	6,30/2,22	6,30/2,13	9,10/2,23	9,80/2,21	
Heating capacity / COP (A -7°C, W 35°C)		kW / COP	4,70/2,85	5,50/2,70	6,40/2,60	10,00/2,73	11,40/2,57	
Heating capacity / COP (A -7°C, W 55°C)		kW / COP	4,30/1,89	5,00/1,82	5,80/1,78	8,20/1,95	9,00/1,84	
Cooling capacity / EER (A 35°C, W 7°C)		kW / EER	4,50/3,28	6,00/2,78	7,00/2,60	10,00/2,81	12,20/2,56	
Cooling capacity / EER (A 35°C, W 18°C)		kW / EER	5,10/5,10	6,00/3,87	7,00/3,59	10,00/4,65	12,20/4,12	
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)		ETA %	199/139	190/130	190/130	190/134	190/130	
		SCOP	5,05/3,55	4,83/3,33	4,83/3,33	4,83/3,43	4,83/3,33	
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾		A++ to G	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾		A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)		ETA %	237/161	225/160	225/160	245/159	245/169	
		SCOP	6,00/4,10	5,70/4,08	5,70/4,08	6,20/4,05	6,20/4,30	
Energy Class Heating Warm Climate (W35°C / W55°C)		A++ to G	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Energy Class Heating Warm Climate (W35°C / W55°C)		A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)		ETA %	160/115	160/115	160/115	168/121	168/121	
		SCOP	4,08/2,95	4,08/2,95	4,08/2,95	4,28/3,10	4,28/3,10	
Energy Class Heating Cold Climate (W35°C / W55°C)		A++ to G	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	
Energy Class Heating Cold Climate (W35°C / W55°C)		A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	
Sound power full load	Heat / Cool	dB	65/65	68/66	69/67	69/68	72/72	
Dimension	HxWxD	mm	865x1283x320	865x1283x320	865x1283x320	1410x1283x320	1410x1283x320	
Net weight		kg	94	104	104	140	140	
Refrigerant (R410A) / CO ₂ Eq. ²⁾		kg / T	1,30/2714	1,35/2819	1,35/2819	2,10/4,385	2,10/4,385	
Water pipe connector		Inch	R 1	R 1	R 1	R 1	R 1	
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	
	Input power (Min/Max)	W	34/96	36/100	39/108	34/110	38/120	
Heating water flow (ΔT=5 K, 35°C)		L/min	14,3	20,1	25,8	34,4	45,9	
Capacity of integrated electric heater		kW	3	3	3	6	6	
Input Power	Heat	kW	0,985	1,55	2,10	2,53	3,74	
	Cool	kW	1,37	2,16	2,69	3,56	4,76	
Running and Starting current	Heat	A	4,7	7,2	9,6	11,7	16,9	
	Cool	A	6,3	9,9	12,2	16,2	21,5	
Current 1		A	13,0	21,0	22,9	24,0	26,0	
Current 2		A	13,0	13,0	13,0	26,0	26,0	
Recommended fuse		A	30/15	30/15	30/16	30/30	30/30	
Recommended cable size, supply 1 / 2		mm²	3x4,0or6,0/3x4,0	3x4,0or6,0/3x4,0	3x4,0or6,0/3x4,0	3x4,0or6,0/3x4,0	3x4,0or6,0/3x4,0	
Operation range	Outdoor ambient	°C	-20~+35	-20~+35	-20~+35	-20~+35	-20~+35	
	Heat	°C	20~55	20~55	20~55	25~55	25~55	
Water outlet	Cool	°C	5~20	5~20	5~20	5~20	5~20	
3rd Party tested Sound power at Quiet Mode 3 ³⁾			dB	57	57	61	65	66

Accessories		Price €
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN	442,00

EER and COP calculation is based in accordance to EN14511. 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).

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) WH-MDC models are hermetically sealed. 3) Third party tested sound power at Quiet mode 3 (A +7°C, W 55°C).



INTERNET CONTROL: Optional.



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquaarea T-CAP Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SXC • R410A Gas

Single Phase (Power to indoor)

Indoor unit			WH-SXC09H3E5	WH-SXC12H6E5
	€		2.823,00	3.181,00
Outdoor unit			WH-UX09HE5	WH-UX12HE5
	€		2.556,00	2.680,00
Kit Price			5.379,00	5.861,00
Heating capacity / COP (A +7°C, W 35°C)	kW / COP		9,00 / 4,84	12,00 / 4,74
Heating capacity / COP (A +7°C, W 55°C)	kW / COP		9,00 / 2,94	12,00 / 2,88
Heating capacity / COP (A +2°C, W 35°C)	kW / COP		9,00 / 3,59	12,00 / 3,44
Heating capacity / COP (A +2°C, W 55°C)	kW / COP		9,00 / 2,21	12,00 / 2,19
Heating capacity / COP (A -7°C, W 35°C)	kW / COP		9,00 / 2,85	12,00 / 2,72
Heating capacity / COP (A -7°C, W 55°C)	kW / COP		9,00 / 2,02	12,00 / 1,92
Cooling capacity / EER (A 35°C, W 7°C)	kW / EER		7,00 / 3,17	10,00 / 2,81
Cooling capacity / EER (A 35°C, W 18°C)	kW / EER		7,00 / 5,19	10,00 / 5,13
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)	ETA %		181 / 130	170 / 130
	SCOP		4,60 / 3,33	4,33 / 3,33
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A++ to G		A++ / A++	A++ / A++
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A+++ to D		A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)	ETA %		235 / 158	231 / 158
	SCOP		5,95 / 4,03	5,85 / 4,03
Energy Class Heating Warm Climate (W35°C / W55°C)	A++ to G		A++ / A++	A++ / A++
Energy Class Heating Warm Climate (W35°C / W55°C)	A+++ to D		A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)	ETA %		160 / 125	160 / 125
	SCOP		4,08 / 3,20	4,08 / 3,20
Energy Class Heating Cold Climate (W35°C / W55°C)	A++ to G		A++ / A++	A++ / A++
Energy Class Heating Cold Climate (W35°C / W55°C)	A+++ to D		A+++ / A++	A+++ / A++
Indoor unit				
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	43
Water pipe connector		Inch	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed
	Input power (Min / Max)	W	32 / 102	34 / 110
Heating water flow (ΔT=5 K, 35°C)		L/min	25,8	34,4
Capacity of integrated electric heater		kW	3	6
Recommended fuse		A	30 / 30	30 / 30
Recommended cable size, supply 1 / 2		mm	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0
Outdoor unit				
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	101	101
Refrigerant (R410A)		kg / TCO ₂ Eq.	2,85 / 5,951	2,85 / 5,951
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	30	30
Pipe length for additional gas		m	10	10
Additional gas amount		g/m	50	50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20
3rd Party tested Sound power at Quiet Mode 3 ²⁾		dB	62	64

Accessories		Price €
CZ-NV1	3 way valve Kit for inside of hydrokit	481,00
CZ-TAW1	Aquaarea Smart Cloud for remote control and maintenance through wireless or wired LAN	442,00

EER and COP calculation is based in accordance to EN14511. 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).
1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) Third party tested sound power at Quiet mode 3 (A +7°C, W 55°C).



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



**GOOD
DESIGN
AWARD
2017**



CZ-TAW1
Cloud connection. For
user control and installer
remote maintenance.

Aquarea T-CAP Bi-bloc H Generation Single Phase / Three Phase. Heating and Cooling - SXC • R410A Gas

			Three Phase (Power to indoor)		
Indoor unit			WH-SXC09H3E8	WH-SXC12H9E8	WH-SXC16H9E8
			€	€	€
Outdoor unit			WH-UX09HE8	WH-UX12HE8	WH-UX16HE8
			€	€	€
Kit Price			€	€	€
Heating capacity / COP [A +7°C, W 35°C]	kW / COP		9,00 / 4,84	12,00 / 4,74	16,00 / 4,28
Heating capacity / COP [A +7°C, W 55°C]	kW / COP		9,00 / 2,94	12,00 / 2,88	16,00 / 2,71
Heating capacity / COP [A +2°C, W 35°C]	kW / COP		9,00 / 3,59	12,00 / 3,44	16,00 / 3,10
Heating capacity / COP [A +2°C, W 55°C]	kW / COP		9,00 / 2,21	12,00 / 2,19	16,00 / 2,13
Heating capacity / COP [A -7°C, W 35°C]	kW / COP		9,00 / 2,85	12,00 / 2,72	16,00 / 2,49
Heating capacity / COP [A -7°C, W 55°C]	kW / COP		9,00 / 2,02	12,00 / 1,92	16,00 / 1,86
Cooling capacity / EER [A 35°C, W 7°C]	kW / EER		7,00 / 3,17	10,00 / 2,81	12,20 / 2,57
Cooling capacity / EER [A 35°C, W 18°C]	kW / EER		7,00 / 5,19	10,00 / 5,13	12,20 / 3,49
Seasonal energy efficiency - Heating Average Climate [W35°C / W55°C]	ETA %		181 / 130	170 / 130	160 / 125
	SCOP		4,60 / 3,33	4,33 / 3,33	4,08 / 3,20
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A++ to G		A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Warm Climate [W35°C / W55°C]	ETA %		235 / 158	231 / 158	231 / 159
	SCOP		5,95 / 4,03	5,85 / 4,03	5,85 / 4,05
Energy Class Heating Warm Climate [W35°C / W55°C]	A++ to G		A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Warm Climate [W35°C / W55°C]	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate [W35°C / W55°C]	ETA %		160 / 125	160 / 125	150 / 125
	SCOP		4,08 / 3,20	4,08 / 3,20	3,83 / 3,20
Energy Class Heating Cold Climate [W35°C / W55°C]	A++ to G		A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Cold Climate [W35°C / W55°C]	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Indoor unit					
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	44	45
Water pipe connector		Inch	R1	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	32 / 102	34 / 110	30 / 105
Heating water flow [ΔT=5 K, 35°C]		L/min	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	9	9
Recommended fuse		A	16 / 16	16 / 16	16 / 16
Recommended cable size, supply 1 / 2		mm	5 x 1,5 / 3 x 1,5	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Outdoor unit					
Sound power full load	Heat / Cool	dB	68 / 67	69 / 68	72 / 71
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	108	108	118
Refrigerant [R410A]		kg/TCO ₂ Eq.	2,85 / 5,951	2,85 / 5,951	2,90 / 6,055
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	30	30	30
Pipe length for additional gas		m	10	10	10
Additional gas amount		g/m	50	50	50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20
3rd Party tested Sound power at Quiet Mode 3 ²⁾		dB	62	64	65
Accessories			Price €		
CZ-NV1	3 way valve Kit for inside of hydrokit		481,00		
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN		442,00		

EER and COP calculation is based in accordance to EN14511. 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).

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) Third party tested sound power at Quiet mode 3 [A +7°C, W 55°C].



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



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

Aquaarea T-CAP Mono-bloc H Generation Single Phase / Three Phase. Heating and Cooling - MXC • R410A Gas

			Single Phase			Three Phase	
Outdoor unit			WH-MXC09H3E5	WH-MXC12H6E5	WH-MXC09H3E8	WH-MXC12H9E8	WH-MXC16H9E8
€			6.304,00	7.655,00	6.496,00	7.099,00	8.612,00
Heating capacity / COP (A +7°C, W 35°C)	kW / COP		9,00/4,84	12,00/4,74	9,00/4,84	12,00/4,74	16,00/4,28
Heating capacity / COP (A +7°C, W 55°C)	kW / COP		9,00/2,94	12,00/2,88	9,00/2,94	12,00/2,88	16,00/2,71
Heating capacity / COP (A +2°C, W 35°C)	kW / COP		9,00/3,59	12,00/3,44	9,00/3,59	12,00/3,44	16,00/3,10
Heating capacity / COP (A +2°C, W 55°C)	kW / COP		9,00/2,21	12,00/2,19	9,00/2,21	12,00/2,19	16,00/2,13
Heating capacity / COP (A -7°C, W 35°C)	kW / COP		9,00/2,85	12,00/2,72	9,00/2,85	12,00/2,72	16,00/2,49
Heating capacity / COP (A -7°C, W 55°C)	kW / COP		9,00/2,02	12,00/1,92	9,00/2,02	12,00/1,92	16,00/1,86
Cooling capacity / EER (A 35°C, W 7°C)	kW / EER		7,00/3,17	10,00/2,81	7,00/3,17	10,00/2,81	12,20/2,56
Cooling capacity / EER (A 35°C, W 18°C)	kW / EER		7,00/5,19	10,00/5,13	7,00/5,19	10,00/5,13	12,20/3,49
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)	ETA %		181/130	170/130	181/130	170/130	160/125
	SCOP		4,60/3,33	4,33/3,33	4,60/3,33	4,33/3,33	4,08/3,20
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A++ to G		A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A+++ to D		A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)	ETA %		235/158	231/158	235/158	231/158	231/159
	SCOP		5,95/4,03	5,85/4,03	5,95/4,03	5,85/4,03	5,85/4,05
Energy Class Heating Warm Climate (W35°C / W55°C)	A++ to G		A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Energy Class Heating Warm Climate (W35°C / W55°C)	A+++ to D		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)	ETA %		160/125	160/125	160/125	160/125	150/125
	SCOP		4,08/3,20	4,08/3,20	4,08/3,20	4,08/3,20	3,83/3,20
Energy Class Heating Cold Climate (W35°C / W55°C)	A++ to G		A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Energy Class Heating Cold Climate (W35°C / W55°C)	A+++ to D		A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Sound power full load	Heat / Cool	dB	68/67	69/68	68/67	69/68	72/71
Dimension	HxWxD	mm	1410x1283x320	1410x1283x320	1410x1283x320	1410x1283x320	1410x1283x320
Net weight		kg	142	142	151	151	164
Refrigerant (R410A) / CO ₂ Eq. ²⁾		kg / T	2,30/4,802	2,30/4,802	2,30/4,802	2,30/4,802	2,35/4,907
Water pipe connector		Inch	R1	R1	R1	R1	R1
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	32/102	34/110	32/102	34/110	38/120
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
Input Power	Heat	kW	1,86	2,53	1,86	2,53	3,74
	Cool	kW	2,21	3,56	2,21	3,56	4,76
Running and Starting current	Heat	A	8,8	11,7	3,0	4,0	5,7
	Cool	A	10,4	16,5	3,5	5,3	7,1
Current 1		A	29,0	29,0	14,7	11,9	15,5
Current 2		A	13,0	26,0	13,0	13,0	13,0
Recommended fuse		A	30/30	30/30	16/16	16/16	16/16
Recommended cable size, supply 1 / 2		mm ²	3x4,0 or 6,0/3x4,0	3x4,0 or 6,0/3x4,0	5x1,5/3x1,5	5x1,5/5x1,5	5x1,5/5x1,5
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60
Water outlet	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20
3rd Party tested Sound power at Quiet Mode 3 ³⁾			dB	62	64	62	64

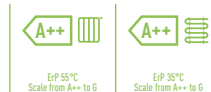
Accessories		Price €
CZ-TAW1	Aquaarea Smart Cloud for remote control and maintenance through wireless or wired LAN	442,00

EER and COP calculation is based in accordance to EN14511. 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).

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) WH-MXC models are hermetically sealed. 3) Third party tested sound power at Quiet mode 3 (A +7°C, W 55°C).



INTERNET CONTROL: Optional.



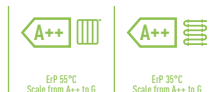
Aquarea HT Bi-bloc F Generation Single Phase / Three Phase. Heating Only - SHF • R407C Gas

			Single Phase (Power to indoor)		Three Phase (Power to indoor)	
Indoor unit			WH-SHF09F3E5	WH-SHF12F6E5	WH-SHF09F3E8	WH-SHF12F9E8
€			3.745,00	3.879,00	3.980,00	4.079,00
Outdoor unit			WH-UH09FE5	WH-UH12FE5	WH-UH09FE8	WH-UH12FE8
€			4.745,00	5.370,00	4.892,00	5.845,00
Kit Price			€ 8.490,00	€ 9.249,00	€ 8.872,00	€ 9.924,00
Heating capacity / COP [A +7°C, W 35°C]	kW / COP		9,00 / 4,64	12,00 / 4,46	9,00 / 4,64	12,00 / 4,46
Heating capacity / COP [A +7°C, W 65°C]	kW / COP		9,00 / 2,48	12,00 / 2,41	9,00 / 2,48	12,00 / 2,41
Heating capacity / COP [A +2°C, W 35°C]	kW / COP		9,00 / 3,45	12,00 / 3,26	9,00 / 3,45	12,00 / 3,26
Heating capacity / COP [A +2°C, W 65°C]	kW / COP		9,00 / 2,06	10,30 / 2,01	9,00 / 2,06	10,30 / 2,01
Heating capacity / COP [A -7°C, W 35°C]	kW / COP		9,00 / 2,74	12,00 / 2,52	9,00 / 2,74	12,00 / 2,52
Heating capacity / COP [A -7°C, W 65°C]	kW / COP		9,00 / 1,79	9,60 / 1,77	9,00 / 1,79	9,60 / 1,77
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)	ETA %		153 / 125	150 / 125	153 / 125	150 / 125
	SCOP		3,90 / 3,20	3,83 / 3,20	3,90 / 3,20	3,83 / 3,20
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A++ to G		A++ / A++	A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A+++ to D		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)	ETA %		191 / 156	188 / 156	191 / 156	188 / 156
	SCOP		4,85 / 3,98	4,78 / 3,98	4,85 / 3,98	4,78 / 3,98
Energy Class Heating Warm Climate (W35°C / W55°C)	A++ to G		A++ / A++	A++ / A++	A++ / A++	A++ / A++
Energy Class Heating Warm Climate (W35°C / W55°C)	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)	ETA %		137 / 116	134 / 113	137 / 116	134 / 113
	SCOP		3,50 / 2,98	3,43 / 2,90	3,50 / 2,98	3,43 / 2,90
Energy Class Heating Cold Climate (W35°C / W55°C)	A++ to G		A++ / A+	A++ / A+	A++ / A+	A++ / A+
Energy Class Heating Cold Climate (W35°C / W55°C)	A+++ to D		A+++ / A+	A+++ / A+	A+++ / A+	A+++ / A+
Indoor unit						
Sound pressure	Heat / Cool	dB(A)	33	33	33	33
Dimension	H x W x D	mm	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353
Net weight		kg	46	47	47	48
Water pipe connector		Inch	R 1	R 1	R 1	R 1
A class pump	Number of speeds		7	7	7	7
	Input power (Min / Max)	W	38 / 100	40 / 106	38 / 100	40 / 106
Heating water flow [ΔT=5 K, 35°C]		L/min	25,8	34,4	25,8	34,4
Capacity of integrated electric heater		kW	3	6	3	9
Recommended fuse		A	30 / 30	30 / 30	30 / 16	30 / 16
Recommended cable size, supply 1 / 2		mm	3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0	5 x 1,5 / 3 x 1,5	5 x 1,5 / 5 x 1,5
Outdoor unit						
Sound power part load		dB	—	—	—	—
Sound power full load	Heat / Cool	dB	66	67	66	67
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	104	104	110	110
Refrigerant (R407C) / CO ₂ Eq.		kg / T	2,90 / 5,145	2,90 / 5,145	2,90 / 5,145	2,90 / 5,145
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	20	20	20	20
Pipe length for additional gas		m	10	10	10	10
Additional gas amount		g/m	70	70	70	70
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	25 ~ 65	25 ~ 65	25 ~ 65	25 ~ 65

EER and COP calculation is based in accordance to EN14511. 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).
 1 Scale from A++ to G and from A+++ to D from 26th September 2019.



INTERNET CONTROL: Optional.



Aquaarea HT Mono-bloc G Generation Single Phase. Heating Only - MHF • R407C Gas

Single Phase

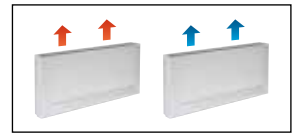
Outdoor unit			WH-MHF09G3E5	WH-MHF12G6E5
	€		5.106,00	6.573,00
Heating capacity / COP (A +7°C, W 35°C)	kW / COP		9,00 / 4,64	12,00 / 4,46
Heating capacity / COP (A +7°C, W 65°C)	kW / COP		9,00 / 2,48	12,00 / 2,41
Heating capacity / COP (A +2°C, W 35°C)	kW / COP		9,00 / 3,45	12,00 / 3,26
Heating capacity / COP (A +2°C, W 65°C)	kW / COP		9,00 / 2,06	10,30 / 2,01
Heating capacity / COP (A -7°C, W 35°C)	kW / COP		9,00 / 2,74	12,00 / 2,52
Heating capacity / COP (A -7°C, W 65°C)	kW / COP		9,00 / 1,79	9,60 / 1,77
Seasonal energy efficiency - Heating Average Climate (W35°C / W55°C)	ETA %		153 / 125	150 / 125
	SCOP		3,90 / 3,20	3,83 / 3,20
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A++ to G		A++ / A++	A++ / A++
Energy Class Heating Average Climate (W35°C / W55°C) ¹⁾	A+++ to D		A+++ / A++	A+++ / A++
Seasonal energy efficiency - Heating Warm Climate (W35°C / W55°C)	ETA %		191 / 156	188 / 156
	SCOP		4,85 / 3,98	4,78 / 3,98
Energy Class Heating Warm Climate (W35°C / W55°C)	A++ to G		A++ / A++	A++ / A++
Energy Class Heating Warm Climate (W35°C / W55°C)	A+++ to D		A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate (W35°C / W55°C)	ETA %		137 / 116	134 / 113
	SCOP		3,50 / 2,98	3,43 / 2,90
Energy Class Heating Cold Climate (W35°C / W55°C)	A++ to G		A++ / A+	A++ / A+
Energy Class Heating Cold Climate (W35°C / W55°C)	A+++ to D		A++ / A+	A++ / A+
Sound power part load	dB		—	—
Sound power full load	dB		68	69
Dimension	HxWxD	mm	1410 x 1283 x 320	1410 x 1283 x 320
Net weight	kg		151	151
Refrigerant (R407C) / CO ₂ Eq. ²⁾	kg / T		1,92 / 3,406	1,92 / 3,406
Water pipe connector	Inch		R 1	R 1
Pump	Number of speeds		7	7
	Input power (Min/Max)	W	—	—
Heating water flow (ΔT=5 K. 35°C)	L/min		25,8	34,4
Capacity of integrated electric heater	kW		3	6
Input Power	kW		1,94	2,69
Running and Starting current	A		9,3	12,8
Current 1	A		28,5	29,0
Current 2	A		13,0	26,0
Recommended fuse	A		30 / 30	30 / 30
Recommended cable size, supply 1 / 2	mm ²		3 x 4,0 or 6,0 / 3 x 4,0	3 x 4,0 or 6,0 / 3 x 4,0
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35
Water outlet	Heat	°C	25 ~ 65	25 ~ 65

EER and COP calculation is based in accordance to EN14511. 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).
 1 Scale from A++ to G and from A+++ to D from 26th September 2019. 2) WH-MHF models are hermetically sealed.



INTERNET CONTROL: Optional.

AQUAREA AIR

AQUAREA
AIR

Aquarea Air Radiators. Fan Coils for Heat Pump application

		PAW-AAIR-200-2			PAW-AAIR-700-2			PAW-AAIR-900-2		
Price	€	1.248,00			1.378,00			1.508,00		
Air flow	Speed	Min	Med	Max	Min	Med	Max	Min	Med	Max
Heating mode										
Total heating capacity	W	217,00	470,00	570,00	708,00	1032,00	1188,00	886,00	1420,00	1703,00
Water flow	kg/h	37,30	80,80	98,00	121,80	177,50	204,30	152,40	244,20	292,90
Water pressure drop	kPa	0,40	2,00	2,90	0,30	0,80	1,00	0,50	1,60	2,20
Inlet water temperature	°C	35	35	35	35	35	35	35	35	35
Outlet water temperature	°C	30	30	30	30	30	30	30	30	30
Inlet air temperature	°C	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00	19,00
Outlet air temperature	°C	38,90	32,00	30,00	33,30	31,80	30,60	30,20	31,10	30,60
Cooling mode										
Total cooling capacity	W	237,00	345,00	555,00	756,00	1039,00	1204,00	1153,00	1518,00	1746,00
Sensible cooling capacity	W	230,00	314,00	504,00	646,00	903,00	1058,00	1061,00	1384,00	1598,00
Water flow	kg/h	40,00	59,00	95,00	129,00	178,00	207,00	198,00	261,00	300,00
Water pressure drop	kPa	0,40	2,00	2,90	1,00	2,00	2,00	6,00	9,00	12,00
Inlet water temperature	°C	10	10	10	10	10	10	10	10	10
Outlet water temperature	°C	15	15	15	15	15	15	15	15	15
Inlet air temperature	°C	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00	27,00
Outlet air temperature	°C	15,00	17,00	18,00	14,00	16,00	17,00	16,00	17,00	18,00
Relative humidity of inlet air	%	47	47	47	47	47	47	47	47	47
Air flow	m³/min	0,90	1,90	2,70	2,60	4,20	5,30	4,10	6,10	7,70
Maximum input power	W	7,00	9,00	13,00	14,00	18,00	22,00	16,00	20,00	24,00
Sound pressure	dB(A)	23	33	40	24	36	42	25	36	44
Dimension (HxWxD)	mm	735x579x129			935x579x129			1135x579x129		
Net weight	kg	17			20			23		
3 ways valve included		Yes			Yes			Yes		
Touch screen thermostat		Yes			Yes			Yes		

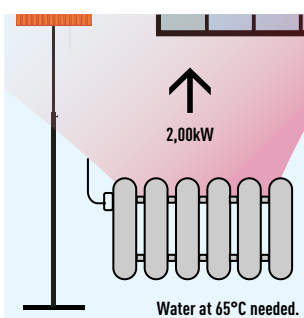
Super low temperature radiators for heat pump application

The slimline Panasonic Aquarea Air radiators deliver high efficiency climate control.

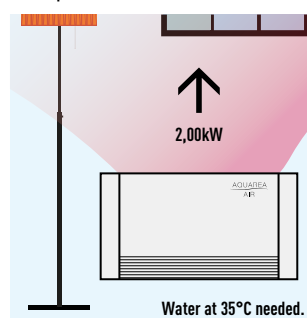
With a depth of just under 13cm they are at the cutting edge of the market. Blending easily into the home, Aquarea Air's elegant design and product refinements are clear to see in every detail. Exceptional ventilation efficiency means the motor uses considerably less energy (low wattage). The fan speed is continuously modulated by the temperature controller with proportional integral logic, with undoubted advantages for regulating the temperature and humidity in summer mode.



With standard cast radiators.



With Aquarea Air.

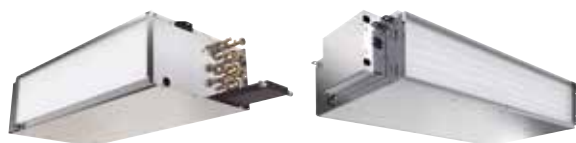


Technical focus:

- High heating capacity
- 3 fan speeds and capacities
- Exclusive design
- Extremely compact (only 12,9cm deep)
- Cooling and dehumidification functions possible (drain is needed)
- 3-way valve included (no overflow valve needed on the installation if more than 3 radiators installed)
- Touch screen thermostat

All temperature curves and capacity are available on www.panasonicproclub.com

FAN COILS



PAW-FC-303TC
Optional Controller.
Wired remote controller.



PAW-FC-RC1
Optional Controller.
Wired remote controller.

Fan Coils

Compact units										High Static Pressure
Left side connection		PAW-FC-D11	PAW-FC-D15	PAW-FC-D24	PAW-FC-D28	PAW-FC-D40	PAW-FC-D55	PAW-FC-D65	PAW-FC-D90	PAW-FC-H150
Right side connection		PAW-FC-D11-R	PAW-FC-D15-R	PAW-FC-D24-R	PAW-FC-D28-R	PAW-FC-D40-R	PAW-FC-D55-R	PAW-FC-D65-R	PAW-FC-D90-R	PAW-FC-H150-R
Price	€	320,00	330,00	346,00	415,00	463,00	506,00	562,00	825,00	1.135,00
Total cooling capacity ¹⁾	Med/S-Hi kW	0,90/1,30	1,10/1,50	2,00/2,40	2,10/2,80	3,10/4,10	4,20/5,50	5,80/6,60	6,70/9,10	11,90/14,80
Sensible cooling capacity ¹⁾	Med/S-Hi kW	0,80/1,10	0,80/1,20	1,70/2,10	1,60/2,10	2,20/3,00	3,00/4,00	4,30/5,00	4,90/7,00	9,60/12,90
Heating capacity ¹⁾	Med/S-Hi kW	1,30/1,80	1,40/2,00	2,40/3,00	2,70/3,70	3,90/5,40	4,00/5,30	7,40/8,70	9,30/12,60	14,90/19,90
Power consumption	S-Lo/Med/S-Hi W	14/24/36	14/23/35	24/50/81	18/39/59	33/57/80	39/76/111	60/114/161	90/112/188	180/421/675
Fuse rating	A	2,00	2,00	2,00	2,00	2,00	2,00	2,00	2,00	6,00
Dimensions (including pan and electrical box)	H x W x D mm	220x439x430 (220x677x430)	220x439x430 (220x677x430)	220x624x430 (220x862x430)	220x809x430 (220x1047x430)	220x994x430 (220x1232x430)	220x1179x430 (220x1417x430)	220x994x530 (220x1232x530)	220x1250x530 (220x1463x530)	356x1380x798 (356x1600x798)
Weight (without water content)	kg	12	12	15,5	20	24	28	29	43	63
Sound power global	S-Lo/Med/S-Hi dB(A)	33/41/47	32/44/51	31/45/53	29/46/53	36/48/57	40/52/58	46/59/63	52/57/66	52/64/71
Sound pressure global	S-Lo/Med/S-Hi dB(A)	17/25/31	16/28/35	15/29/37	13/30/37	20/32/41	24/36/42	30/43/47	36/41/50	31/45/51
Static pressure	Max Pa	30	30	50	50	70	70	70	70	110
Airflow ¹⁾	Med/S-Hi m³/h	190/283	179/265	388/483	356/493	486/716	640/933	893/1064	936/1397	2112/3176
Water pressure drop	Med/S-Hi kPa	6,60/11,90	3,30/5,30	9,90/14,30	14,00/22,50	13,00/22,40	25,20/42,20	13,90/17,90	22,60/40,30	19,80/26,10
Fan speeds		3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds	3 speeds
Fan motor and total speeds		AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds	AC 5 speeds
Drain pan and Air filter		Included	Included	Included	Included	Included	Included	Included	Included	Included
Water connections	Inch	1/2	1/2	1/2	1/2	1/2	1/2	3/4	1/2	1

Accessories		Price €
PAW-FC-RC1	Advanced wired control for Fan Coil	
PAW-FC-303TC	Wired remote controller	63,00
PAW-FC-2WY-11/55	2-Pipe valve kit ON/OFF (for PAW-FC-D11/15/24/28/40/55)	115,00
PAW-FC-2WY-65	2-Pipe valve kit ON/OFF (for PAW-FC-D65)	115,00
PAW-FC-2WY-90	2-Pipe valve kit ON/OFF (for PAW-FC-D90)	145,00
PAW-FC-2WY-90-R	2-Pipe valve kit ON/OFF (for PAW-FC-D90-R)	145,00

Accessories		Price €
PAW-FC-2WY-150	2-Pipe valve kit ON/OFF (for PAW-FC-H150)	280,00
PAW-FC-3WY-11/55	3-Pipe valve kit ON/OFF (for PAW-FC-D11/15/24/28/40/55)	160,00
PAW-FC-3WY-65	3-Pipe valve kit ON/OFF (for PAW-FC-D65)	160,00
PAW-FC-3WY-90	3-Pipe valve kit ON/OFF (for PAW-FC-D90)	200,00
PAW-FC-3WY-90-R	3-Pipe valve kit ON/OFF (for PAW-FC-D90-R)	
PAW-FC-3WY-150	3-Pipe valve kit ON/OFF (for PAW-FC-H150)	330,00

¹⁾ Airflow and capacity at 0Pa of static pressure. * Performances based on: Summer air 27°C /19°C (wet Bulb and chilled water 7/12°C - Winter air 20°C, entering water temperature 50°C).



New range of Fan Coil units

Easy to install, improvement in sounds levels and performances, are the key developments carried on our Fan Coil units. The Fan Coil is issued from that development striving to meet customers' wishes and advices.

New Fan Coil range consist on one compact ducted range ideal for residential and commercial use and one model with high static pressure for commercial applications. The range certified by Eurovent includes drain pan and filter and are equipped with a low consumption fan motor. Easy maintenance and access.

Fan Coil controller PAW-FC-RC1

This advance control can bring higher level of comfort in heating. The sensor can be used as water flow sensor, stopping the fan when low water temperature, avoiding cold drafts in winter.

Also is ready to use J Generation new feature of defrost mode and stop the Fan Coil.

Features:

- Room thermostat
- 3 outputs, 230V relays for fan control
- 2 outputs, 230V relays for heating / cooling control
- Modbus RTU slave
- 1 DI for presses detection (key card switch)
- 1 AI for sensor

DHW STAND ALONE



The New DHW Stand Alone is a highly efficient wall-mounted heat pump water heater

This space-saving wall-mounted solution is one of the most efficient models available, designed as a perfect replacement for the electric water heater. The wall-mounted installation, fast heat-up time, and auto function for smart piloting all guarantee customer comfort.

Benefits:

- A+ Highly efficient wall mounted Domestic Hot Water Heat Pump
- Provides reduced power consumption by 75% compared with traditional electric water heater
- Multilingual and End-user friendly Remote Controller
- Digital control panel
- Energy consumption monitoring
- Different modes of operation based on end-user needs
- Mode AUTO: Intelligent Temperature Set Point, thanks to monitoring hot water usage
- Mode BOOST, Mode ECO and Mode ABSENCE
- Photovoltaic function
- Compatible with ducted fresh air intake installations



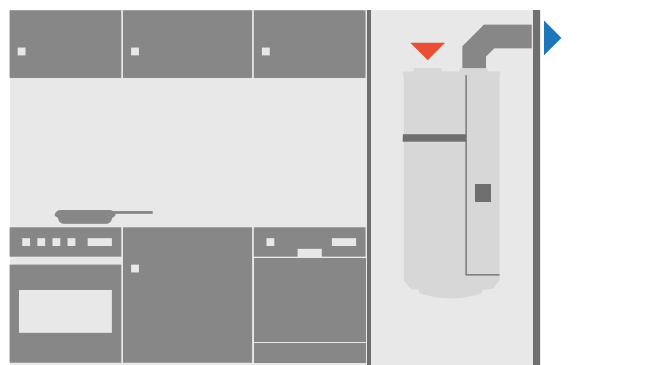
NEW DHW Stand Alone*

Model		Wall mounted	
Reference		PAW-DHW100W	PAW-DHW150W
Price	€	1.716,00	1.871,00
Nominal capacity	L	100	150
Dimensions (H x W x D)	mm	1234 x 522 x 538	1557 x 522 x 538
Empty weight	kg	57	66
Hot and cold connection		3/4" M	3/4" M
Anticorrosion system		Magnesium	Magnesium
Rated water pressure	bar	8	8
Electrical connection	V/Hz	230/50	230/50
Total maximum power	W	1550	1950
Maximal power heat pump	W	350	350
Power electric heating element	W	1200	1600
Heat pump water temperature range	°C	50 ~ 62	50 ~ 62
Heat pump air temperature range	°C	-5 ~ +43	-5 ~ +43
Duct diameter	mm	125	125
Air flow (without duct)	m³/min	160	160
Load losses acceptable on ventilation circuit, without affecting performance	Pa	25	25
Sound power level ¹⁾	dB(A)	45	45
R134a refrigerant capacity	kg	0,6	0,7
Refrigerant volume in tons of CO ₂ equivalent	TCO ₂ Eq.	0,86	1
Refrigerant weight per liter	kg/L	0,006	0,0046
Hot water quantity at 40°C: V40td in 8h (Off-peak) / 14 (Off-peak+6h)	L	151/289	182/318
Coefficient of performance (at air 7°C ducted, water from 15°C to 53°C)		2,47	2,94
Coefficient of performance (at air 15°C ambient, water from 15°C to 53°C)		2,75	3,21
Acoustic power ErP in ducted configuration ²⁾	dB(A)	45	45
Acoustic power ErP in ambient configuration ²⁾	dB(A)	50	50
Energy Efficiency Class (from A+ to F)		A+	A+
Input PV		Yes	Yes
Performance at 7°C air temperature (EN 16147) ducted at 25 Pa			
Coefficient of performance (COP) according load profile		2,47 - M	2,94 - L
Standby power input [P _{es}]	W	20	22
Heating up time [t _h]	h. Min	7h27	11h21
Reference hot water temperature [T _{ref}]	°C	52,8	53
Flow rate [air]	m³/h	162,7	146,4
Performance at 7°C air temperature (EN 16147)			
Coefficient of performance (COP) according load profile		2,75 - M	3,21 - L
Standby power input [P _{es}]	W	18	21
Heating up time [t _h]	h. Min	6h25	9h45
Reference hot water temperature [T _{ref}]	°C	52,5	53,1

1) According to ISO3744. 2) Compliant with EN 16147 conditions. * DHW Stand Alone is produced by S.A.T.E.

Ideal for small surfaces

Suitable for all installations (adapted to small surfaces, low ceiling, corner).



SANITARY TANKS

New Mono-bloc DHW+Ventilation.

Compact solution combining DHW tank and ventilation kit, in one compact surface of 60x60.

- e-heater included
- Tank sensor included
- 3 way valve included
- All electrical components are pre wired to a metal box
- Possible to attach Aquarea control in the front panel
- Safety valve for DHW
- This solution is great solution for low consumption houses (NZEB)

Ventilation unit produced by Komfovent.
Tank module produced by Austria Email AG.



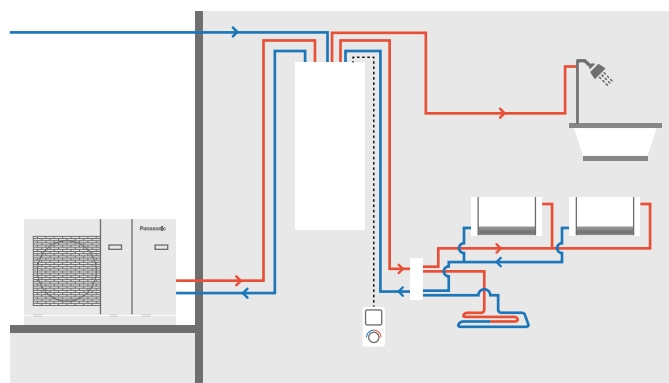
NEW
2019



This is a conceptual image, it may change without prior notice.

Combo Tank.

The best option to combine with Mono-bloc units. DHW tank with buffer tank. Designed for retrofit applications, the DHW 185l tank with a 80l buffer tank is particularly suitable for fast integration on an existing installation. Panasonic has developed a tank with 80l Buffer tank and 185l sanitary hot water cylinder. This tank includes a 3-way valve and an "A" Class pump. Easy to install, nice looking, high efficiency for DHW production and for heating.



Combo Tank

Model	PAW-TD20B8E3-1		
Price	€	4.420,00	
Dimension H x W x D	mm	1770 x 640 x 690	
Weight (empty)	kg	150	
Volume	L	185	
Power supply	V, Phase, Hz	230, 1, 50	
		Hot water tank	Buffer tank
Volume	L	185	80
Max working pressure	MPa (bar)	0,8 (8)	0,6 (6)
Pressure test	MPa (bar)	1,2 (12)	0,9 (9)
Max working temp	°C	90	100
Connections	mm	Ø22	Ø22
Material		S 275 JR vitrified	S235 JR
Insulation	Material, t=mm	PUR, 50	PUR 40mm
Heating coil surface	m²	2,1	—
Electrical heater	W	3000	—
Energy loss at 65°C	kWh/24h	1,3	—
ErP data		Hot water tank	Buffer tank
Energy efficiency class (from A+ to F)		B	B
Standing loss	W	53	46
Storage volume	L	185	80

1) EU Regulation 812/2013. 2) Tested pursuant to EN 12897:2006.



NEW Enamelled Tanks

Enamelled Tank						Enamelled 2 coils Tank (for bivalent Solar + HP)
Model		PAW-TA15C1E5STD*	PAW-TA20C1E5STD*	PAW-TA30C1E5STD*	PAW-TA40C1E5STD*	PAW-TA30C2E5STD*
Price	€	945,00	1.750,00	2.150,00	3.440,00	2.270,00
Water volume	L	150	200	290	380	350
Maximum water temperature	°C	95	95	95	95	95
Dimensions (Height / Diameter)	mm	1210/520	1340/610	1800/610	1835/670	1835/670
Weight / filled with water	kg	109/254	90/280	120/389	191/572	169/519
Electric heater	kW	—	3,00	3,00	3,00	3,00
Power supply	V	—	230	230	230	230
Material inside tank		Enamelled	Enamelled	Enamelled	Enamelled	Enamelled
Exchange surface	m²	1,2	1,8	2,6	3,8	3,5 / 1,2
Energy loss at 65°C¹	kWh/24h	1,45	1,37	1,61	1,76	1,76
3 Way valve accessory PAW-3WYVLV-SI or CZ-NV1		Optional	Optional	Optional	Optional	Optional
20m temperature sensor cable included		Yes	Yes	Yes	Yes	Yes
Energy losses	W	60	57	67	73	73
Energy Efficiency Class (from A+ to F)		C	B	B	B	B
Warranty		2 Years	2 Years	2 Years	2 Years	2 Years
Maintenance required		Every 2 years	Every 2 years	Every 2 years	Every 2 years	Every 2 years

1) Insulated tested under EN12897.



Stainless Steel Tank

Model		PAW-TD20C1E5	PAW-TD30C1E5
Price	€	1.897,00	2.150,00
Water volume	L	192	280
Maximum water temperature	°C	75	75
Dimensions (Height / Diameter)	mm	1270/595	1750/595
Weight / filled with water	kg	53/—	65/—
Electric heater	kW	1,50	1,50
Power supply	V	230	230
Material inside tank		Stainless steel	Stainless steel
Exchange surface	m²	1,8	1,8
Energy loss at 65°C¹	kWh/24h	0,99	1,13
3 Way valve accessory PAW-3WYVLV-SI or CZ-NV1		Optional	Optional
20m temperature sensor cable included		Yes	Yes
Energy losses	W	42	46
Energy Efficiency Class (from A+ to F)		A	A
Warranty		2 Years	2 Years
Maintenance required		No	No

1) Insulated tested under EN12897. * Includes proportional control thermostat.



NEW Buffer tank

Model		PAW-BTANK50L-1
Price	€	325,00
Capacity	L	48
Energy losses	W	42
Energy Efficiency Class (from A+ to F)		B
Material		Stainless Steel
Dimensions (Height / Diameter)	mm	435 x 615
Net weight	kg	17

* Automatic air vent and drain cock are included.

Accessories		Price €
PAW-3WYVLV-SI	External 3 way valve	200,00
CZ-NV1	3 way valve ready for All in One J and H Generation (optional in internal space)	481,00

ACCESSORIES AND CONTROL

Optional PCB's for additional functions


CZ-NS4P

PCB for advanced functions in J and H Generation.

260,00 €

Deice Accessories


CZ-NE2P

Base pan heater (for 3 and 5kW).

217,00 €
CZ-NE3P

Base pan heater for J and H Generation.

217,00 €

Accessories for Aquarea Air

PAW-AAIR-LEGS-1

Kits of 2 legs to support the Aquarea Air on the floor and to protect the water pipings.

87,00 €

Sanitary Tank Accessories


PAW-TS1

Tank sensor with 6m cable length.

26,00 €
PAW-TS2

Tank sensor with 20m cable length.

35,00 €
PAW-TS4

Tank sensor with 6m cable length and only 6mm diameter.

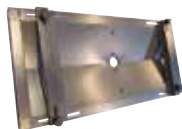
17,00 €

CZ-TK1

Temperature sensor kit for third party tank (with copper pocket and 6m length sensor cable).

104,00 €

Special outdoor supports


PAW-WTRAY

Tray for condenser water compatible with base ground support.

442,00 €

PAW-GRDSTD40

Outdoor elevation platform.

377,00 €

PAW-GRDBSE20

Outdoor base ground support for noise and vibration absorption (600 x 95 x 130mm, 500kg).

299,00 €

Hydraulic accessories


CZ-NV1

3 way valve ready Split H Generation (optional in internal space).

481,00 €
PAW-3WYVLV-SI

External 3 way valve.

200,00 €

Aquarea Manager Accessories

Not compatible with J and H Generation units.


PAW-HPM1

Aquarea Manager with LCD.

683,00 €

PAW-HPM2

Aquarea Manager without LCD.

650,00 €
PAW-HPMINT-M

Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc (HPM can control all parameters from HP).

112,00 €
PAW-HPMINT-F

Interface to connect Aquarea Manager to Heat pump Aquarea Mono-bloc and Bi-bloc F type (HPM can control all parameters from HP).

81,00 €
PAW-HPMB1

Buffer tank sensor.

57,00 €

PAW-HPMDHW

Buffer tank sensor with well.

114,00 €
PAW-HPMSOL1

Buffer tank sensor solar (with higher temperature range).

104,00 €

PAW-HPMAH1

Water flow pipe sensor for heating circuit.

83,00 €
PAW-HPMR4

Room sensor + set point adaptation.

95,00 €

PAW-HPMED

Touch screen.

546,00 €
PAW-DEWPOINTSENSOR

Dew point sensor.

23,00 €

PAW-HPMUH

Outdoor temperature sensor.

69,00 €

Room Thermostats



PAW-A2W-RTWIRED

Wired LCD room thermostat with weekly timer.

127,00 €



PAW-A2W-RTWIRELESS

Wireless LCD room thermostat with weekly timer.

300,00 €

Fan Coil Controller



PAW-FC-303TC

Fan Coil controller.

63,00 €



PAW-FC-RC1

NEW Wired remote controller.

N.A.

Connectivity Solutions



CZ-TAW1

Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN.

442,00 €

PAW-AW-KNX-H

KNX Interface for H Generation.

560,00 €



PAW-AW-KNX-1i

KNX Interface compatible with G and F Generation.

650,00 €

PAW-AW-MBS-H

Modbus Interface for H Generation.

560,00 €



PAW-AW-MBS-1

Modbus Interface compatible with G and F Generation.

650,00 €

PA-AW-WIFI-1TE

WLAN accessory with temperature sensor compatible with G and F Generation.

442,00 €

H Generation Sensors



PAW-A2W-TSOD

Outdoor ambient sensor.

65,00 €



PAW-A2W-TSRT

Zone room sensor.

65,00 €



PAW-A2W-TSHC

Zone water sensor.

65,00 €



PAW-A2W-TSSO

Solar sensor.

39,00 €



PAW-A2W-TSBU

Buffer tank sensor.

31,00 €