

AQUAREA ALL IN ONE H GENERATION HIGH PERFORMANCE BI-BLOC SINGLE PHASE / THREE PHASE. HEATING AND COOLING. 1 ZONE HYDROKIT OR 2 ZONES BUILT-IN HYDROKIT

Panasonic has developed a highly efficient solution, easy to install.

Aquarea All in One is the new generation of Panasonic Heat Pumps for Heating, Cooling and Domestic Hot Water (DHW). This new range intelligently integrates the best Hydrokit technology with a premium quality stainless steel tank, which also comes with a 10 year warranty.

- Space saving: 1.800 x 598 x 717 (H x W x D)
- Reduced installation costs
- Piping at the bottom of the All in One (easy to install)
- Reduced installation time and minimised installation errors
- Easy remote controller to set up
- Reduced installation spaces
- Electrical connections at the front
- Easier installation and maintenance
- New remote controller functions (cooling mode activation possible by software. This activation can only be done by service partner)



Technical focus

- **NEW!** Indoor Unit
- **NEW!** Touch Controller

Kit	Single Phase (Power to indoor)						Three Phase (Power to indoor)			
	KIT-ADC03HE5	KIT-ADC05HE5	KIT-ADC07HE5	KIT-ADC09HE5	KIT-ADC12HE51*	KIT-ADC16HE51*	KIT-ADC9HE8²	KIT-ADC12HE8²	KIT-ADC16HE8²	
Heating capacity at +7°C (heating water at 35°C)	kW	3,20	5,00	7,00	9,00	12,00	16,00	9,00	12,00	16,00
COP at +7°C (heating water at 35°C)	W/W	5,00	4,63	4,46	4,13	4,74	4,28	4,84	4,74	4,28
Heating capacity at +2°C (heating water at 35°C)	kW	3,20	4,20	6,55	6,70	11,40	13,00	9,00	11,40	13,00
COP at +2°C (heating water at 35°C)	W/W	3,56	3,11	3,34	3,13	3,44	3,28	3,59	3,44	3,28
Heating capacity at -7°C (heating water at 35°C)	kW	3,20	4,20	5,15	5,90	10,00	11,40	9,00	10,00	11,40
COP at -7°C (heating water at 35°C)	W/W	2,69	2,59	2,68	2,52	2,73	2,57	2,85	2,73	2,57
Cooling capacity at 35°C (cooling water at 7/12°C)	kW	3,20	4,50	6,00	7,00	10,00	12,20	7,00	10,00	12,20
EER at 35°C (cooling water at 7/12°C)	W/W	3,08	2,69	2,63	2,43	2,81	2,56	3,17	2,85	2,56
Energy Efficiency Class at 35°C / at 55°C / at 55°C for DHW		A++ / A+ / A	A++ / A+ / A	A++ / A+ / A	A++ / A+ / A	A++ / A+ / A	A++ / A+ / A	A++ / A+ / A	A++ / A+ / A	A++ / A+ / A
System label 35°C / 55°C³		A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+	A+++ / A++ / A+
Indoor unit 1 zone		WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC1216H6E5	WH-ADC1216H6E5	WH-ADC0916H9E8	WH-ADC0916H9E8	WH-ADC0916H9E8
Indoor unit 2 zones		WH-ADC0309H3E5B	WH-ADC0309H3E5B	WH-ADC0309H3E5B	WH-ADC0309H3E5B	—	—	—	—	—
Sound pressure	Heating / Cooling	dB(A)	28 / 28	28 / 28	28 / 28	28 / 28	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 / 124	1.800 x 598 x 717 / 124	1.800 x 598 x 717 / —	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126
Water pipe connector		mm	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼	R 1 ¼
A class Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)*	W	30 / 120	30 / 120	30 / 120	30 / 120	36 / 152	36 / 152	36 / 152	36 / 152
Heating water flow (ΔT=5 K, 35°C)		l/min	9,2	14,3	20,1	25,8	34,4	45,9	25,8	34,4
Capacity of integrated electric heater		kW	3	3	3	3	6	6	9	9
Recommended Fuse		A	15 / 15	15 / 15	30 / 15	30 / 15	30 / 30	30 / 30	16 / 16	16 / 16
Recommended cable size, supply 1 & 2		mm²	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 2,5 / 3 x 1,5	3 x 2,5 / 3 x 1,5	3 x 4,0 / 3 x 4,0	3 x 4,0 / 3 x 4,0	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Water volume		L	185	185	185	185	185	185	185	185
Maximum water temperature		°C	65	65	65	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outdoor Unit			WH-UD03HE5-1	WH-UD05HE5-1	WH-UD07HE5-1	WH-UD09HE5-1	WH-UD12HE5	WH-UD16HE5	WH-UD09HE8	WH-UD12HE8
Sound pressure	Heating / Cooling	dB(A)	48 / 47	49 / 48	50 / 48	51 / 50	52 / 50	55 / 54	51 / 49	52 / 50
Sound power level	Heating / Cooling	dB	64 / 65	65 / 66	68 / 66	69 / 68	67 / 68	70 / 72	68 / 67	69 / 68
Dimensions / Weight	H x W x D	mm / kg	622 x 824 x 298 / 39	622 x 824 x 298 / 39	795 x 900 x 320 / 66	795 x 900 x 320 / 66	1.340 x 900 x 320 / 101	1.340 x 900 x 320 / 101	1.340 x 900 x 320 / 107	1.340 x 900 x 320 / 107
Refrigerant (R410A)		kg / TCO₂ Eq.	1,20 / 2,506	1,20 / 2,506	1,45 / 3,028	1,45 / 3,028	2,55 / —	2,55 / —	2,55 / 5,324	2,55 / 5,324
Pipe diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 1/2 (12,7)	1/4 (6,35) / 5/8 (15,88)	1/4 (6,35) / 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 / Elevation difference (in/out)		m	3 - 15 / 5	3 - 15 / 5	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 20	10 / 20	10 / 30	10 / 30	10 / 50	10 / 50	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heating / Cooling	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20

Accessories

PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories

CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-A2W-RTWIRED	Room thermostat

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) Available in August 2017. 2) Available in March 2017. 3) System label with controller. * Tentative data.



INTERNET CONTROL: Optional

AQUAREA ALL IN ONE H GENERATION T-CAP BI-BLOC SINGLE PHASE / THREE PHASE. HEATING AND COOLING



Benefits of the T-CAP All in One unit!

Aquarea T-CAP can work in extreme outdoor conditions as low as -28°C and warranty the capacity without back up heating down to -20°C. Ready to work at extreme outdoor conditions the H Generation T-CAP can produce water up to 60°C, expanding its possibilities for retrofit application. On top of All in One Aquarea unique advantages, the quickest installation in the market and easy maintenance including the outstanding inox tank maintenance free.

- Works at temperatures as low as -28°C
- Constant capacity up to -20°C
- Space saving: 1.800 x 598 x 717 (H x W x D)
- Reduced installation costs
- Piping at the bottom of the All in One (easy to install)
- Reduced installation time and minimised installation errors
- Easy remote controller to set up
- Reduced installation spaces
- Electrical connections at the front
- Easier installation and maintenance
- 1 phase and 3 phase
- New remote controller functions (cooling mode activation possible by software. This activation can only be done by service partner)

Technical focus

- **NEW!** Indoor Unit
- **NEW!** Touch Controller

Kit	Single Phase (Power to indoor)			Three Phase (Power to indoor)		
	KIT-AXC9HE5 ¹	KIT-AXC12HE5 ¹	KIT-AXC9HE8 ²	KIT-AXC12HE8 ²	KIT-AXC16HE8 ²	
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 / at 55°C / at 55°C for DHW		◀ 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
Dimensions* / Net Weight*	H x W x D	mm / kg	1.800 x 598 x 717 / 137	1.800 x 598 x 717 / 137	1.800 x 598 x 717 / 126	1.800 x 598 x 717 / 126
Water pipe connector		mm	R 1 1/2	R 1 1/2	R 1 1/2	R 1 1/2
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min / Max)*	W	36 / 152	36 / 152	36 / 152	36 / 152
Heating water flow (ΔT=5 K, 35°C)		L/min	25,8	34,4	25,8	34,4
Capacity of integrated electric heater		kW	6	6	9	9
Recommended fuse		A	30 / 30	30 / 30	16 / 16	16 / 16
Recommended cable size, supply 1 & 2		mm ²	3 x 4,0 / 3 x 4,0	3 x 4,0 / 3 x 4,0	5 x 1,5 / 5 x 1,5	5 x 1,5 / 5 x 1,5
Water volume		L	185	185	185	185
Maximum water temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Outdoor Unit			WH-UX09HE5	WH-UX12HE5	WH-UX09HE8	WH-UX12HE8
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	51 / 49	52 / 50
Sound power level	Heating / Cooling	dB			68 / 67	69 / 68
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
Refrigerant (R410A)		kg / TCO ₂ Eq.	2,85 / 5,951	2,85 / 5,951	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)	3/8 (9,52) / 5/8 (15,88)	3/8 (9,52) / 5/8 (15,88)
Pipe length range / Elevation difference (in/out)		m	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50	10 / 50	10 / 50
Operation range	Outdoor ambient	°C	-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

Accessories

PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories

CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-A2W-RTWIRED	Room thermostat

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) Available in July 2017. 2) Available in March 2017. 3) System label with controller. * Tentative data.

A++

A+

A

INVERTER+

A CLASS WATER PUMP

-20°C CONSTANT HEATING

WATER AT 60°C

DHW

HEATING MODE

WATER FILTER

STOP VALVE

FLOW SENSOR

BOILER CONNECTION

ADVANCED CONTROL

INTERNET CONTROL

CONNECTIVITY

5 YEARS WARRANTY

10 YEARS WARRANTY

INTERNET CONTROL: Optional.

AQUAREA H GENERATION HIGH PERFORMANCE BI-BLOC SINGLE PHASE / THREE PHASE. HEATING AND COOLING - SDC

The new H Generation are specially designed for low energy homes and achieve an impressive COP of 5 (on the 3,2kW).

Thanks to the system's high degree of technology and advanced control, it is able to maintain a high capacity and efficiency even at -7°C and -15°C. The Aquarea's software is optimised to the requirements of low consumption homes in order to maximise energy efficiency. Whatever the weather, Aquarea can work even at -20°C. The compact design of the outdoor unit makes installation very easy.

Technical focus

- **NEW!** Touch Controller
- **NEW!** Indoor Unit
- Super efficient: COP of 5 in the 3,2kW!
- Very high energy savings A+++ (*)
- Simple installation & maintenance
- Special software for low consumption homes with minimum output temperature: 20°C
- Works at temperatures as low as -20°C
- Automatic Air purge valve
- Display of the compressor frequency



Kit	Single Phase Heating and Cooling							Three Phase (Power to indoor)			
	KIT-WC03H3E5	KIT-WC05H3E5	KIT-WC07H3E5	KIT-WC09H3E5	KIT-WC12H6E5 ¹	KIT-WC16H6E5 ¹	KIT-WC09H3E8 ¹	KIT-WC12H9E8 ¹	KIT-WC16H9E8 ¹		
Heating capacity at +7°C (heating water at 35°C)	kW	3,20	5,00	7,00	9,00	12,00	16,00	9,00	12,00	16,00	
COP at +7°C (heating water at 35°C)	W/W	5,00	4,63	4,46	4,13	4,74	4,28	4,84	4,74	4,28	
Heating capacity at +2°C (heating water at 35°C)	kW	3,20	4,20	6,55	6,70	11,40	13,00	9,00	11,40	13,00	
COP at +2°C (heating water at 35°C)	W/W	3,56	3,11	3,34	3,13	3,44	3,28	3,59	3,44	3,28	
Heating capacity at -7°C (heating water at 35°C)	kW	3,20	4,20	5,15	5,90	10,00	11,40	9,00	10,00	11,40	
COP at -7°C (heating water at 35°C)	W/W	2,69	2,59	2,68	2,52	2,73	2,57	2,85	2,73	2,57	
Cooling capacity at 35°C (cooling water at 7/12°C)	kW	3,20	4,50	6,00	7,00	10,00	12,20	7,00	10,00	12,20	
EER at 35°C (cooling water at 7/12°C)	W/W	3,08	2,69	2,63	2,43	2,81	2,56	3,17	2,81	2,56	
Energy Efficiency Class at 35°C / 55°C		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	
System label 35°C / 55°C ²		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	
Indoor Unit³		WH-SDC03H3E5(-1)	WH-SDC05H3E5(-1)	WH-SDC07H3E5(-1)	WH-SDC09H3E5(-1)	WH-SDC12H6E5	WH-SDC16H6E5	WH-SDC09H3E8	WH-SDC12H9E8	WH-SDC16H9E8	
Sound pressure	Heating / Cooling	dB(A)		28 / 28		28 / 28		30 / 30		30 / 30	
Dimensions / Weight	H x W x D	mm / kg		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 44		892 x 500 x 340 / 45	
Water pipe connector		mm		R 1 1/4		R 1 1/4		R 1 1/4		R 1 1/4	
A class pump	Number of speeds	Variable Speed		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		6		6	
Recommended fuse		A		15 / 30		15 / 30		15 / 30		15 / 30	
Recommended cable size, supply 1 & 2		mm ²		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 Unit³		WH-UD03H5E5(-1)	WH-UD05H5E5(-1)	WH-UD07H5E5(-1)	WH-UD09H5E5(-1)	WH-UD12H5E5	WH-UD16H5E5	WH-UD09H5E8	WH-UD12H5E8	WH-UD16H5E8	
Sound pressure	Heating / Cooling	dB(A)		47 / 47		48 / 48		50 / 48		51 / 50	
Dimensions / Weight	H x W x D	mm / kg		622 x 824 x 298 / 39		622 x 824 x 298 / 39		795 x 900 x 320 / 66		795 x 900 x 320 / 66	
Refrigerant (R410A)		kg / TCO ₂ Eq.		1,20 / -		1,20 / -		1,45 / -		1,45 / -	
Pipe diameter	Liquid / Gas	Inch (mm)		1/4 (6,35) / 1/2 (12,7)		1/4 (6,35) / 1/2 (12,7)		1/4 (6,35) / 5/8 (15,88)		1/4 (6,35) / 5/8 (15,88)	
Pipe length range / Elevation difference (in/out)		m		3 - 15 / 5		3 - 15 / 5		3 - 30 / 20		3 - 30 / 20	
Pipe length for additional gas / Additional gas amount		m / g/m		10 / 20		10 / 20		10 / 30		10 / 30	
Operation range	Outdoor ambient	°C		-20 ~ +35		-20 ~ +35		-20 ~ +35		-20 ~ +35	
Water outlet	Heating / Cooling	°C		20 - 55 / 5 - 20		20 - 55 / 5 - 20		25 - 55 / 5 - 20		25 - 55 / 5 - 20	

Accessories	
PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TG20C1E3STD-1	Tank 200L - Enamelled
PAW-TG30C1E3STD-1	Tank 300L - Enamelled
CZ-TK1	Temperature sensor for 3rd party tank

Accessories	
CZ-NV1	3 way valve Kit for inside of hydrokit
CZ-NS4P	Additional functions PCB
PAW-BTANK50L	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-A2W-RTWIRED	Room thermostat

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. 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+++.

A++
ErP 55°C

A+++
ErP 35°C

INVERTER+

A CLASS
WATER PUMP

5,00
COP

-20°C
DHW

HEATING MODE

WATER FILTER

STOP VALVE

FLOW SENSOR

BOILER CONNECTION

SOLAR KIT

ADVANCED CONTROL

INTERNET CONTROL

CONNECTIVITY

5 YEARS
COMFORT
WARRANTY