

# Panasonic

**New Aquarea K Series**  
Air to water heat pumps

AQUAREA

Panasonic

R32

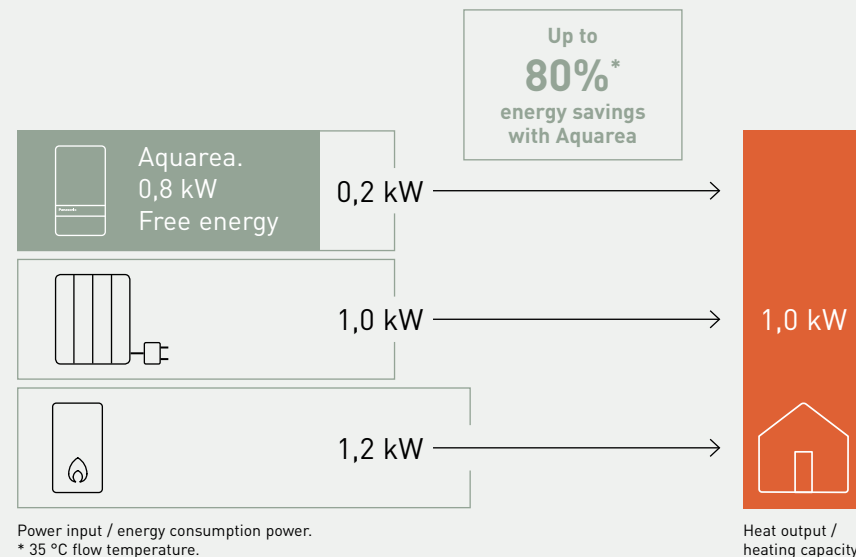
REFRIGERANT

## A low energy system for heating and hot water production.

Aquarea air to water heat pumps range is a ground breaking low energy system for heating, cooling and domestic hot water production that delivers outstanding performance, aligning with our vision of a carbon-free society and our GREEN IMPACT plan.

As much as 79% of the energy consumption of European homes comes from heating and producing DHW\*. That's why, compared to conventional boilers and electric heaters, highly efficient Panasonic air to water heat pump technology can make a significant difference. Moreover, by converting heat energy in the air into household warmth, this technology helps reduce CO<sub>2</sub> emissions and environmental impact.

\* <https://ec.europa.eu/eurostat>.



Panasonic has more than 60 years of heat pump experience, having produced an exceptional amount of compressors. Quality is what Panasonic stands for and this is a key factor for succeeding in the European market.

The membership in the European Heat Pump Association, the production of Aquarea in Europe and high security protocols in European servers, make Panasonic a trusted heating partner.



*The Aquarea line meets the highest rank of energy efficiency criteria of European energy rating system.*

Energy Labelling Regulation (EU) No. 811/2013.



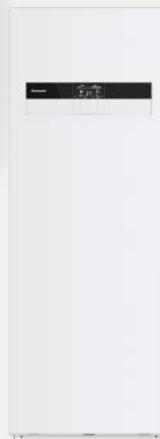


## Introducing the new Aquarea K Series of air to water heat pumps.

Aquarea K Series is a ground breaking low-energy system for heating, cooling and domestic hot water production that delivers outstanding performance. The K Series offers a versatile range of solutions to suit different project sizes and needs.



High  
Performance  
and T-CAP:  
All in One and  
Bi-bloc K Series

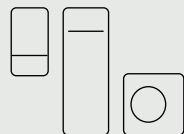


R32  
REFRIGERANT



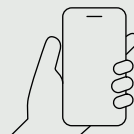
Wide  
range

Wide range to suit all homes:  
High Performance and T-CAP.



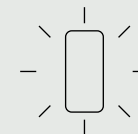
Improved  
clean design

Refined outdoor design to be  
blended to the environment.



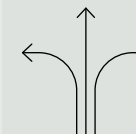
Optional remote control and  
maintenance

Panasonic Comfort Cloud App.  
Aquarea Service Cloud.



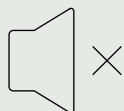
High tank insulation  
performance

Tank boasts high heat retention  
thanks to U-Vacua™<sup>1)</sup>.



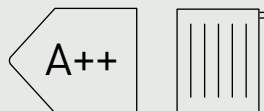
Further  
flexibility

- Less frequent maintenance with pre-installed magnet filter
- Easy access to hydraulic parts
- Operation without backup heating at -25 °C
- Can supply 60 °C hot water even at -10 °C outside temperature
- Bluefin treatment protection on outdoor heat exchanger for harsh ambient conditions



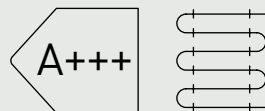
Further noise  
reduction

Panasonic's unique low noise  
architecture.



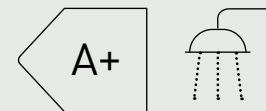
High energy efficiency  
for heating

High energy class for medium  
temperature applications.



High energy efficiency  
for heating

High energy class for low  
temperature applications.



High energy efficiency for  
domestic hot water

DHW COP up to 3,6<sup>2)</sup>.

1) U-Vacua™ is a vacuum insulation panel (VIP) technology. 2) Scale from A+++ to D. Might not apply to all the models.

*A revolution in design,  
efficiency, connectivity  
and sustainability.*



## Harmony between technology and home.

In our daily lives, technology is attuned to you and the environment around you, without overstating the device or interface. Just as the air is always around you even if you're not aware of it, Panasonic's technology continues to be in tune with your environment and your life.

### Harmony with the environment. Save livingspace.

A premium white, faithful to the Aquarea spirit underlined by the seamlessly integrated controller which provides a sleek black band across the unit.



All in One unit and Bi-bloc indoor unit are designed to blend into your interior space effortlessly.



Like indoor equipment, the outdoor unit is designed to harmonize with architecture and the environment while quietly supporting the precious time spent with the warm family.

The outdoor units, with an anthracite grey colour which will dress the entire range, have been completely redesigned with an innovative design that will find its place in all spaces.



*The outdoor unit is designed to harmonize with architecture and the environment.*

Panasonic's unique low noise **architecture**. The compressor, which is a major source of noise, is equipped with a double-bottomed structure to provide a safe, quiet structure that does not disturb neighbors in crowded residential areas.



**-8 dB(A)** in Quiet mode



## The new Aquarea All in One Compact, the ultimate space-saving solution.

With its small 598 x 600 mm footprint, the new All in One Compact can be neatly lined up with other big appliances like a refrigerator and/or washing machine to reduce the space required for installation.

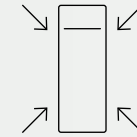


Fits beautifully in any space.

Available in 185 L and 260 L DHW tank.

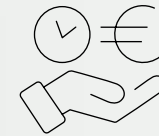


Aquarea All in One K Series: the best Panasonic technology.



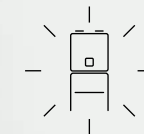
**599 x 602 mm footprint**

Reduces required installation space.



**No buffer tank required**

Reducing space, cost and installation time.

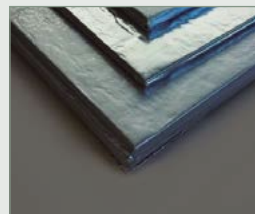


**Robust body**

Enables installation of a top ventilation unit.

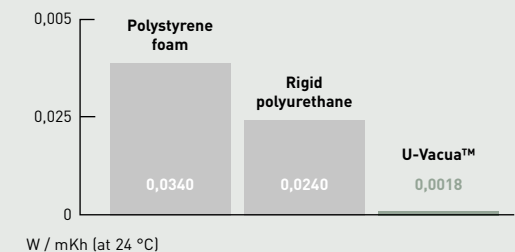
**U-Vacua™; Vacuum insulation panel. Significant energy savings with world-leading insulation performance.**

Because they leverage VIP technology, U-Vacua™ panels offer 19 times the insulation performance of polystyrene foam. Since the system retains heat longer, it needs to heat up fewer times each day, resulting in energy savings.



U-Vacua™ VIPs consist of a unique fiberglass core encased in a laminate film made up of several layers that include nylon, aluminium, and a protective layer. Interior pressure is reduced to a vacuum of 1-20 Pa, thereby minimizing thermal conductivity.

**Comparison of thermal conductivity.**





*Aquarea All in One: the  
best Panasonic technology  
for your home.*

AQUAREA



## Advanced control and connectivity features, enhanced interface.

### Smart bivalency.

Cost effective bivalent mode with power tariff logic.

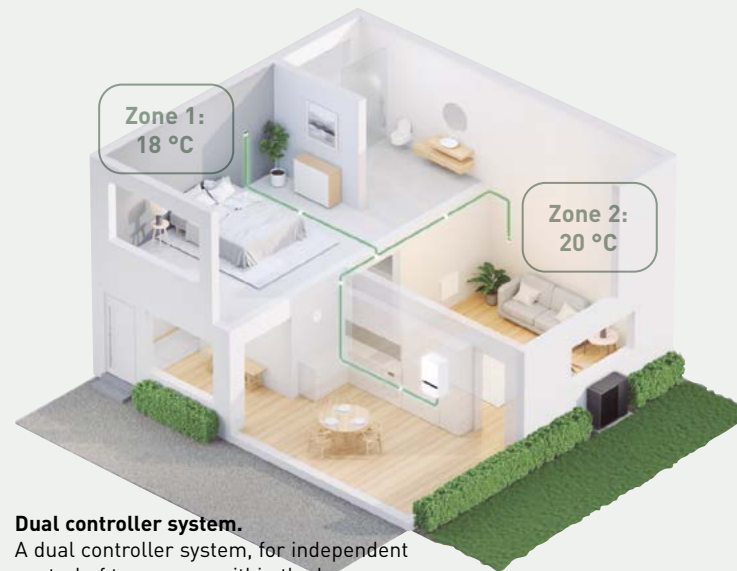
### Smart Grid Ready.

The Aquarea K Series features the SG Ready function\* for seamless connection to smart grid controls.

### Dual control system.

Allows for independent control of two zones in the home, enhancing comfort and efficiency.

\* Additional accessory required.



### Dual controller system.

A dual controller system, for independent control of two zones, within the home.

### BMS integration.

Aquarea integrates seamlessly with Modbus or KNX projects\*, allowing bi-directional monitoring and control of all operating parameters.



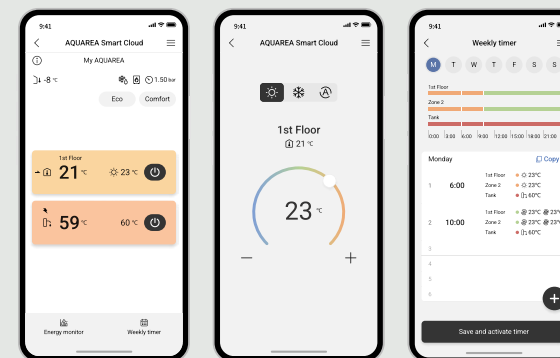
## Panasonic Comfort Cloud App.

The IoT solution for your heating and cooling systems to help maximize comfort while managing energy consumption from anywhere, 24/7.

The Panasonic Comfort Cloud App enables you to conveniently manage and monitor the Aquarea range of heating, cooling and hot water functions from a mobile device. Energy monitoring is also possible, giving you the opportunity to reduce operating costs even further.

### Aquarea Service Cloud.

The Aquarea Service Cloud allows professionals to take care of their customers' heating systems remotely, engaging in predictive maintenance and system finetuning and respond rapidly to any malfunctions.



Comfort Cloud



Download on the App Store



GET IT ON Google Play

Download Panasonic Comfort Cloud App.

Optional internet adapter for Wi-Fi and LAN connection. CZ-TAW1C.



***Internet adapter  
included for Wi-Fi  
and LAN connection.***



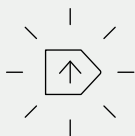
# Aquarea + tado°, the integrated solution for maximum energy savings and comfort.

tado° X enables room control and smart energy management services.



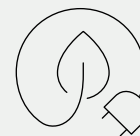
## Easy to unlock and operate

User-friendly app for seamless heating and energy management.



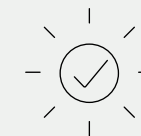
## Future-proof solution

Further efficiency gains via planned software updates.



## Advanced energy savings

With the individual room temperature control.



## Reliable and trustworthy

Guaranteed and optimised interoperability.

A smart solution for maintaining the perfect temperature in your home.



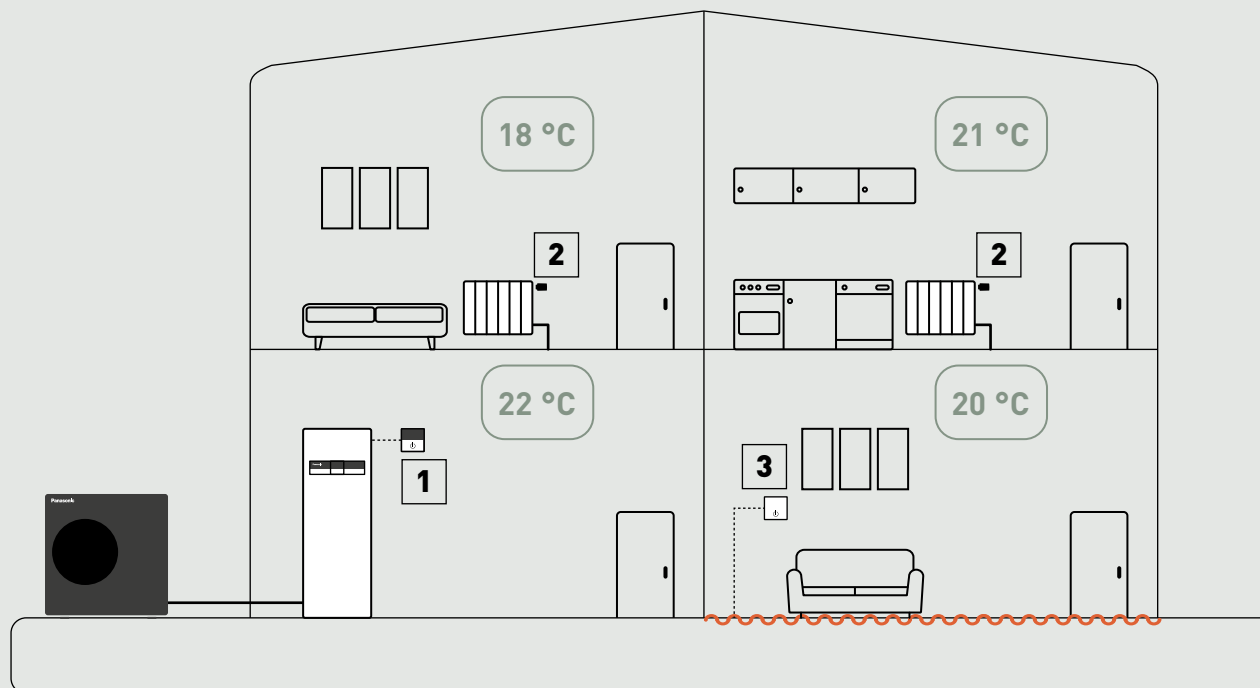
**tado° Heat Pump Optimizer X**



**tado° Smart Radiator Thermostat X**



**tado° Wired Smart Thermostat X**



**tado° app and Balance for Heat Pumps <sup>1)</sup>**

Multi-Room Control, scheduling and energy insights in one market leading app.

**12-month free subscription to Balance for Heat Pumps <sup>2)</sup>**

1) Requires additional subscription. 2) With the purchase of PAW-THPOXE or PAW-THPOXUK. This promotion is subject to change without notice.



A large, dark grey Panasonic Aquarea outdoor heat pump unit stands on a concrete base next to a modern house. The house has a light-colored wall with a window and a balcony with glass railings. The scene is illuminated by warm, low-angle light, suggesting dusk or dawn. The unit has a prominent horizontal slatted grille and the Panasonic logo at the top left.

***tado° smart heating customers  
save an average of 22% on their  
energy consumption.***

Based on internal data averaged across all tado° customers, collected up to 11/2023.

## Aquarea K Series gives you even more.

Highly efficient Panasonic solutions can help to significantly reduce the energy consumption of the building, at the same time a high level of comfort and good indoor air quality are kept.



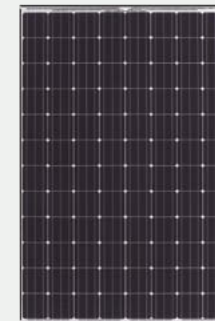
### Ventilation unit for a low-energy buildings.

Maximise building comfort by combining heat recovery ventilation units with Aquarea Heat Pumps for an efficient, space-saving solution for heating, cooling, ventilation and DHW.



### Aquarea Air Smart fan coils.

Stylish, compact fan coil units for high comfort and energy savings. Aquarea Heat Pumps can be integrated into a new or existing hydronic system.



### Maximised efficiency with PV panels.

By integrating Aquarea Heat Pumps with PV panels\*, heating, cooling and hot water production is adapted to the solar energy output, reducing energy costs.

\* Additional accessory required.



Aquarea Home

### New Aquarea Home App, seamless control of all Aquarea room solutions .

The Aquarea Home App enables seamless control and monitoring of the Aquarea room solutions through an intuitive, user-friendly interface.



## AQUAREA+

### Get the most out of your Aquarea Heat Pump.

Aquarea+ offers end user useful information to operate a Panasonic Aquarea Heat Pump to provide heating, cooling and hot water in the most efficient and cost effective way.



Visit Aquarea+

## AQUAREA SERVICE+

### A window to tranquility.

Let us take care of your heat pump so you can just relax and enjoy a cozy, warm home. Aquarea Service+ offers a choice of 3 different service packages for you to select the one that best fits your needs.



Visit Aquarea Service+



*High degree of living  
comfort and energy  
management.*



## Aquarea K Series for every project need.

Available in both T-CAP and High Performance, the Aquarea K Series offers a versatile range of solutions to suit different project sizes and needs.

### Aquarea High Performance K Series.

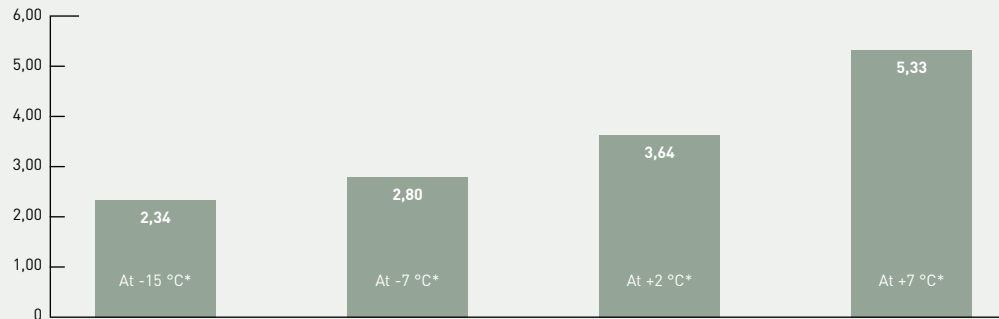
**For new installations and low consumption homes.**

Suitable for a wide range of properties that demand exceptional efficiency and high energy savings.

Featuring COPs as high as 5,33 <sup>1)</sup> this solution is perfect for either underfloor heating or low temperature radiators.

1) 3 kW.

**COP**



\* KIT-ADC03K3E5 at 35 °C water outlet.



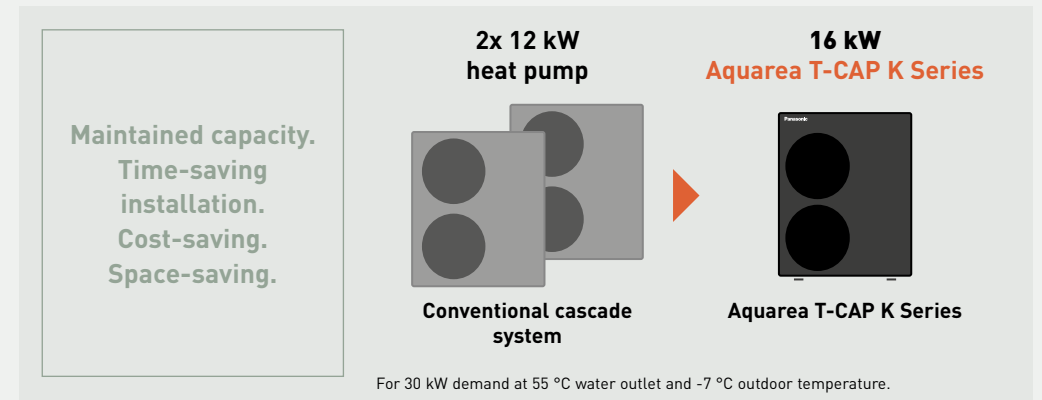
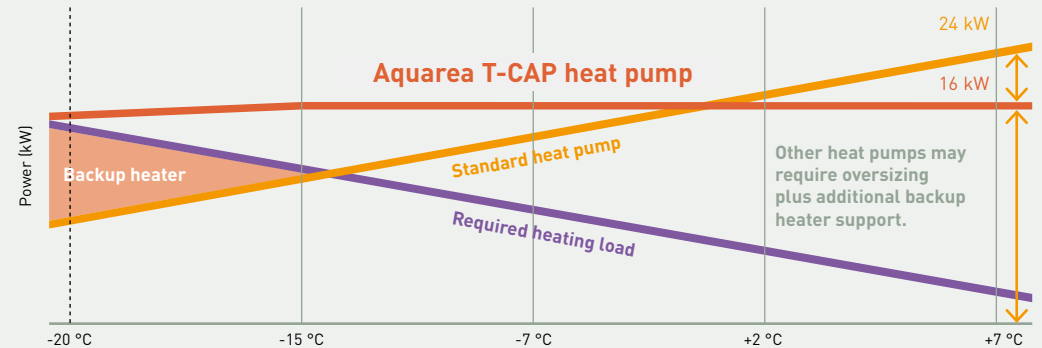
### Aquarea T-CAP K Series.

**For retrofit and new builds, the ideal solution for those installations where the output capacity is demanding.**

The entire Aquarea T-CAP line-up is excellent for replacing gas or oil boilers and for connecting to new underfloor heating, radiators or fan coil units.

With Aquarea T-CAP technology, Panasonic heat pumps can work in outdoor temperatures as low as -28 °C and maintain capacity without backup heating at -20 °C\*.

\* At 35 °C flow temperature.





## Aquarea High Performance

For new installations and low consumption homes.



AQUAREA



Aquarea High Performance All in One 185 L K Series* 1)							Aquarea High Performance All in One 185 L K Series 1)			
Single phase (power to indoor)							Three phase (power to indoor)			
Kit 3 kW electric heater		KIT-ADC03K3E5	KIT-ADC05K3E5	KIT-ADC07K3E5	KIT-ADC09K3E5	—	—	KIT-ADC09K9E8	KIT-ADC12K9E8	KIT-ADC16K9E8
Kit 6 kW electric heater		KIT-ADC03K6E5	KIT-ADC05K6E5	KIT-ADC07K6E5	KIT-ADC09K6E5	KIT-ADC12K6E5	KIT-ADC16K6E5*	—	—	—
Kit 9 kW electric heater		—	—	—	—	—	—	—	—	—
Heating capacity / COP [A +7 °C, W 35 °C]	kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	12,10/4,78	16,00/4,31	9,00/4,90	12,10/4,78	16,00/4,31
Heating capacity / COP [A +7 °C, W 55 °C]	kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	12,00/2,96	14,70/2,72	9,00/2,97	12,00/2,96	14,70/2,72
Heating capacity / COP [A +2 °C, W 35 °C]	kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	11,50/3,44	13,00/3,18	9,00/3,63	11,50/3,44	13,20/3,28
Heating capacity / COP [A +2 °C, W 55 °C]	kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	9,20/2,25	10,00/2,24	9,00/2,26	9,20/2,25	10,00/2,21
Heating capacity / COP [A -7 °C, W 35 °C]	kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	10,10/2,74	11,70/2,61	9,00/2,88	10,10/2,74	11,60/2,57
Heating capacity / COP [A -7 °C, W 55 °C]	kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	8,40/1,97	9,10/1,85	8,10/2,07	8,40/1,97	9,10/1,85
Cooling capacity / EER [A 35 °C, W 7 °C]	kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	10,70/2,68	12,20/2,68	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER [A 35 °C, W 18 °C]	kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	10,70/3,92	13,00/3,80	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	5,07/3,47 [200/136]	5,12/3,63 [202/142]	4,90/3,62 [193/142]	4,44/3,41 [175/133]	4,58/3,33 [180/130]	4,46/3,40 [176/133]	4,96/3,57 [195/140]	4,58/3,33 [180/130]	4,46/3,40 [176/133]
	Energy class 2)	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	6,20/4,20 [245/165]	6,00/4,20 [237/165]	5,75/4,07 [227/160]	5,75/4,07 [227/160]	6,47/4,34 [256/171]	6,20/4,30 [245/169]	6,47/4,34 [256/171]	6,47/4,34 [256/171]	6,20/4,30 [245/169]
	Energy class 2)	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	4,00/2,83 [157/110]	4,08/2,95 [160/115]	4,18/2,98 [164/116]	4,18/2,98 [164/116]	4,31/3,26 [169/127]	4,28/3,10 [168/121]	4,31/3,26 [169/127]	4,31/3,26 [169/127]	4,28/3,10 [168/121]
	Energy class 2)	A+++ to D	A++/A+	A++/A+	A++/A+	A++/A++	A++/A+	A++/A++	A++/A++	A++/A+
Indoor unit 3 kW electric heater		WH-ADC0309K3E5	WH-ADC0309K3E5	WH-ADC0309K3E5	WH-ADC0309K3E5	—	—	—	—	—
Indoor unit 6 kW electric heater		WH-ADC0309K6E5	WH-ADC0309K6E5	WH-ADC0309K6E5	WH-ADC0309K6E5	WH-ADC0912K6E5	WH-ADC16K6E5	—	—	—
Indoor unit 9 kW electric heater		—	—	—	—	—	—	WH-ADC0912K9E8	WH-ADC0912K9E8	WH-ADC16K9E8
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	33/33	33/33	33/33	33/33	33/33
Dimension	HxWxD	mm	1642x599x602	1642x599x602	1642x599x602	1642x599x602	1642x599x602	1642x599x602	1642x599x602	1642x599x602
Net weight		kg	100 [3 kW]/101 [6 kW]	100 [3 kW]/101 [6 kW]	100 [3 kW]/101 [6 kW]	100 [3 kW]/101 [6 kW]	101	102	102	103
Water volume		L	185	185	185	185	185	185	185	185
Maximum DHW 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
Tapping profile according EN16147			L	L	L	L	L	L	L	L
DHW tank ERP efficiency average / warm / cold 3)	A+ to F	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
DHW tank ERP average climate η / COPdHW	η <sub>wh</sub> % / COPdHW	128/3,20	140/3,50	140/3,50	140/3,50	100/2,50	100/2,50	100/2,50	100/2,50	96/2,40
DHW tank ERP warm climate η / COPdHW	η <sub>wh</sub> % / COPdHW	154/3,86	160/4,00	160/4,00	160/4,00	116/2,90	116/2,90	116/2,90	116/2,90	115/2,88
DHW tank ERP cold climate η / COPdHW	η <sub>wh</sub> % / COPdHW	99/2,48	112/2,80	112/2,80	112/2,80	80/2,00	80/2,00	80/2,00	80/2,00	76/1,90
Outdoor unit		WH-UDZ03KE5	WH-UDZ05KE5	WH-UDZ07KE5	WH-UDZ09KE5	WH-UDZ12KE5	WH-UDZ16KE5	WH-UDZ09KE8	WH-UDZ12KE8	WH-UDZ16KE8
Sound power 4)	Heat	dB(A)	55	55	56	56	65	65	65	65
Dimension / Net weight	HxWxD	mm / kg	622x824x298/37	795x875x380/55	795x875x380/55	795x875x380/55	1340x900x320/88	1340x900x320/88	1340x900x320/90	1340x900x320/103
Refrigerant [R32] / CO <sub>2</sub> Eq.		kg / T	0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878	1,6/1,080	1,6/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch [mm]	1/4 [6,35] / 1/2 [12,70]	1/4 [6,35] / 5/8 [15,88]	1/4 [6,35] / 5/8 [15,88]	1/4 [6,35] / 5/8 [15,88]	1/4 [6,35] / 1/2 [12,70]	1/4 [6,35] / 5/8 [15,88]	1/4 [6,35] / 1/2 [12,70]	1/4 [6,35] / 1/2 [12,70]
Pipe length range / Elevation difference (in / out)	m / m		3 ~ 25 / 20	3 ~ 40 [3 ~ 50] 5) / 30	3 ~ 40 [3 ~ 50] 5) / 30	3 ~ 40 [3 ~ 50] 5) / 30	3 ~ 30 [3 ~ 50] 6) / 20 [30] 6)	3 ~ 30 [3 ~ 50] 6) / 20 [30] 6)	3 ~ 30 / 20	3 ~ 30 / 20
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet 7)	Heat / Cool	°C	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20	20 ~ 60 / 5 ~ 20

1) Kit 3 kW electric heater available in 2 zones and with Electrical Anode models. 2) Scale from A+++ to D. 3) Scale from A+ to F. 4) Sound power level in accordance to EN 12102 under conditions of the EN14825. 5) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 6) Ambient temperature down to -10 °C. Below -10 °C, permitted piping length and elevation difference is 3 ~ 30 m, 20 m. 7) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. \* Available in Summer 2025. Tentative data. \*\* EER and COP calculation is based in accordance to EN 14511. \*\*\* This product is designed to comply with the European drinking water standard [EU] 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

## Aquarea High Performance

For new installations and low consumption homes.



## Aquarea High Performance All in One 260 L K Series

			Single phase (power to indoor)			Three phase (power to indoor)		
Kit			KIT-ADC12K6E53	KIT-ADC16K6E53	KIT-ADC09K9E83	KIT-ADC12K9E83	KIT-ADC16K9E83	
Heating capacity / COP (A +7 °C, W 35 °C)		kW / COP	12,10/4,78	16,00/4,31	9,00/4,90	12,10/4,78	16,00/4,31	
Heating capacity / COP (A +7 °C, W 55 °C)		kW / COP	12,00/2,96	14,70/2,72	9,00/2,97	12,00/2,96	14,70/2,72	
Heating capacity / COP (A +2 °C, W 35 °C)		kW / COP	11,50/3,44	13,00/3,18	9,00/3,63	11,50/3,44	13,20/3,28	
Heating capacity / COP (A +2 °C, W 55 °C)		kW / COP	9,20/2,25	10,00/2,24	9,00/2,26	9,20/2,25	10,00/2,21	
Heating capacity / COP (A -7 °C, W 35 °C)		kW / COP	10,10/2,74	11,70/2,61	9,00/2,88	10,10/2,74	11,60/2,57	
Heating capacity / COP (A -7 °C, W 55 °C)		kW / COP	8,40/1,97	9,10/1,85	8,10/2,07	8,40/1,97	9,10/1,85	
Cooling capacity / EER (A 35 °C, W 7 °C)		kW / EER	10,70/2,68	12,20/2,68	8,80/3,11	10,70/2,68	13,40/2,64	
Cooling capacity / EER (A 35 °C, W 18 °C)		kW / EER	10,70/3,92	13,00/3,80	8,80/4,63	10,70/3,92	15,50/3,60	
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,58/3,33(180/130)	4,46/3,40(176/133)	4,96/3,57(195/140)	4,58/3,33(180/130)	4,46/3,40(176/133)	
	Energy class <sup>2)</sup>	A+++ to D	A+++ /A++	A+++ /A++	A+++ /A++	A+++ /A++	A+++ /A++	
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,47/4,34(256/171)	6,20/4,30(245/169)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,20/4,30(245/169)	
	Energy class <sup>2)</sup>	A+++ to D	A+++ /A+++	A+++ /A+++	A+++ /A+++	A+++ /A+++	A+++ /A+++	
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,31/3,26(169/127)	4,28/3,10(168/121)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,28/3,10(168/121)	
	Energy class <sup>2)</sup>	A+++ to D	A++ /A++	A++ /A+	A++ /A++	A++ /A++	A++ /A+	
Indoor unit			WH-ADC0912K6E53	WH-ADC16K6E53	WH-ADC0912K9E83	WH-ADC0912K9E83	WH-ADC16K9E83	
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33	
Dimension	H xW xD	mm	2036 x599 x602	2036 x599 x602	2036 x599 x602	2036 x599 x602	2036 x599 x602	
Net weight		kg	119	119	119	119	120	
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	
	Input power	W	145	145	145	145	145	
Heating water flow (ΔT=5 K, 35 °C)		L/min	34,4	34,4	25,8	34,4	46,0	
Water volume		L	260	260	260	260	260	
Maximum DHW temperature		°C	65	65	65	65	65	
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
Tapping profile according EN16147			L	L	XL	XL	XL	
DHW tank ERP efficiency average / warm / cold <sup>3)</sup>		A+ to F	A+ /A/A	A+ /A/A	A+ /A+ /A	A+ /A+ /A	A+ /A+ /A	
DHW tank ERP average climate η / COPdHWH		η <sub>wh</sub> %/COPdHWH	100/2,50	100/2,50	123/3,08	123/3,08	98/2,45	
DHW tank ERP warm climate η / COPdHWH		η <sub>wh</sub> %/COPdHWH	116/2,90	116/2,90	134/3,35	134/3,35	123/3,08	
DHW tank ERP cold climate η / COPdHWH		η <sub>wh</sub> %/COPdHWH	80/2,00	80/2,00	94/2,35	94/2,35	80/2,00	
Outdoor unit			WH-UDZ12KE5	WH-UDZ16KE5	WH-UDZ09KE8	WH-UDZ12KE8	WH-UDZ16KE8	
Sound power <sup>4)</sup>	Heat	dB(A)	65	65	65	65	65	
Dimension / Net weight	H xW xD	mm / kg	1340 x900 x320/88	1340 x900 x320/88	1340 x900 x320/90	1340 x900 x320/90	1340 x900 x320/103	
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,6/1,080	1,6/1,080	1,60/1,080	1,60/1,080	1,83/1,235	
Piping diameter	Liquid / Gas	Inch [mm]	1/4(6,35)/1/2(12,7)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	
Pipe length range / Elevation difference (in / out)		m / m	3~30(3~50) <sup>4)</sup> /20(30) <sup>4)</sup>	3~30(3~50) <sup>4)</sup> /20(30) <sup>4)</sup>	3~30/20	3~30/20	3~30/20	
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30	10/30	
Operating range - outdoor ambient	Heat	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	
Water outlet	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	

1) Kit 6 kW electric heater available in with Electrical Anode models. 2) Scale from A+++ to D. 3) Scale from A+ to F. 4) Sound power in accordance to 811/2013, 813/2013 and EN 12102-1:2017 at +7 °C. 5) Operation range down to -25 °C in heating with 3~40 m pipe length range, operation range down to -15 °C in heating with 3~50 m pipe length range. \* EER and COP calculation is based in accordance to EN 14511. \*\* This product is designed to comply with the European drinking water standard [EU] 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.





AQUAREA



Aquaarea High Performance Bi-bloc K Series											
		Single phase (power to indoor)						Three phase (power to indoor)			
Kit 3 kW electric heater		KIT-WC03K3E5	KIT-WC05K3E5	KIT-WC07K3E5	KIT-WC09K3E5	—	—	KIT-WC09K3E8	—	—	
Kit 6 kW electric heater		KIT-WC03K6E5	KIT-WC05K6E5	KIT-WC07K6E5	KIT-WC09K6E5	KIT-WC12K6E5	KIT-WC16K6E5	—	—	—	
Kit 9 kW electric heater		—	—	—	—	—	—	KIT-WC09K9E8	KIT-WC12K9E8	KIT-WC16K9E8	
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP	3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	12,10/4,78	16,00/4,31	9,00/4,90	12,10/4,78	16,00/4,31	
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP	3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	12,00/2,96	14,70/2,72	9,00/2,97	12,00/2,96	14,70/2,72	
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP	3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	11,50/3,44	13,00/3,18	9,00/3,63	11,50/3,44	13,20/3,28	
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP	3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	9,20/2,25	10,00/2,24	9,00/2,26	9,20/2,25	10,00/2,21	
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP	3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	10,10/2,74	11,70/2,61	9,00/2,88	10,10/2,74	11,60/2,57	
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP	3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	8,40/1,97	9,10/1,85	8,10/2,07	8,40/1,97	9,10/1,85	
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER	3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	10,70/2,68	12,20/2,68	8,80/3,11	10,70/2,68	13,40/2,64	
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER	3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	10,70/3,92	13,00/3,80	8,80/4,63	10,70/3,92	15,50/3,60	
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	5,07/3,47(200/136)	5,12/3,63(202/142)	4,90/3,62(193/142)	4,44/3,41(175/133)	4,58/3,33(180/130)	4,46/3,40(176/133)	4,96/3,57(195/140)	4,58/3,33(180/130)	4,46/3,40(176/133)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,20/4,20(245/165)	6,00/4,20(237/165)	5,75/4,07(227/160)	5,75/4,07(227/160)	6,47/4,34(256/171)	6,20/4,30(245/169)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,20/4,30(245/169)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,00/2,83(157/110)	4,08/2,95(160/115)	4,18/2,98(164/116)	4,18/2,98(164/116)	4,31/3,26(169/127)	4,28/3,10(168/121)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,28/3,10(168/121)
	Energy class <sup>1)</sup>	A+++ to D	A++/A+	A++/A+	A++/A+	A++/A+	A++/A++	A++/A+	A++/A++	A++/A+	A++/A+
Indoor unit 3 kW electric heater		WH-SDC0309K3E5	WH-SDC0309K3E5	WH-SDC0309K3E5	WH-SDC0309K3E5	—	—	WH-SDC09K3E8	—	—	
Indoor unit 6 kW electric heater		WH-SDC0309K6E5	WH-SDC0309K6E5	WH-SDC0309K6E5	WH-SDC0309K6E5	WH-SDC12K6E5	WH-SDC16K6E5	—	—	—	
Indoor unit 9 kW electric heater		—	—	—	—	—	—	WH-SDC09K9E8	WH-SDC12K9E8	WH-SDC16K9E8	
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	30/30	30/31	33/33	33/33	33/33	33/33	
Dimension	HxWxD	mm	892x500x348	892x500x348	892x500x348	892x500x348	892x500x348	892x500x348	892x500x348	892x500x348	
Net weight 3 kW / 6 kW	kg	40/41	40/41	40/41	40/41	41	41	40/41	—/41	—/41	
Water pipe connector	Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼	
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	Variable speed	
	Input power	W	145	145	145	145	145	145	145	145	
Heating water flow (ΔT=5 K, 35 °C)	L/min		9,2	14,3	20,1	25,8	34,4	45,8	25,8	34,4	45,9
Outdoor unit		WH-UDZ03KE5	WH-UDZ05KE5	WH-UDZ07KE5	WH-UDZ09KE5	WH-UDZ12KE5	WH-UDZ16KE5	WH-UDZ09KE8	WH-UDZ12KE8	WH-UDZ16KE8	
Sound power <sup>2)</sup>	Heat	dB(A)	55	55	56	56	65	65	65	65	
Dimension	HxWxD	mm	622x824x298	795x875x380	795x875x380	795x875x380	1340x900x320	1340x900x320	1340x900x320	1340x900x320	
Net weight	kg	37	55	55	55	88	88	90	90	103	
Refrigerant (R32) / CO <sub>2</sub> Eq.	kg / T		0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878	1,6/1,080	1,6/1,080	1,60/1,080	1,83/1,235	
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,7)	1/4(6,35)/5/8(15,88)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range	m		3 ~ 25	3 ~ 40(3 ~ 50) <sup>3)</sup>	3 ~ 40(3 ~ 50) <sup>3)</sup>	3 ~ 40(3 ~ 50) <sup>3)</sup>	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30	
Elevation difference (in / out)	m		20	30	30	30	20	20	20	20	
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	
Water outlet <sup>4)</sup>	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825. 3) Operation range down to -25 °C in heating with 3 ~ 40 m pipe length range, operation range down to -15 °C in heating with 3 ~ 50 m pipe length range. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. \* EER and COP calculation is based in accordance to EN 14511. \*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

## Aquarea T-CAP

For retrofit and new builds, install the T-CAP heat pump keeping Total Capacity even at extremely cold ambient.



Aquarea T-CAP All in One 185 L K Series							Aquarea T-CAP All in One 260 L K Series					
			Single phase (power to indoor)		Three phase (power to indoor)			Single phase (power to indoor)		Three phase (power to indoor)		
Kit 6 kW electric heater			KIT-AXC09K6E5	KIT-AXC12K6E5	—	—	—	KIT-AXC09K6E53	KIT-AXC12K6E53	—	—	—
Kit 9 kW electric heater			—	—	KIT-AXC09K9E8	KIT-AXC12K9E8	KIT-AXC16K9E8	—	—	KIT-AXC09K9E83	KIT-AXC12K9E83	KIT-AXC16K9E83
Heating capacity / COP [A +7 °C, W 35 °C]		kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38
Heating capacity / COP [A +7 °C, W 55 °C]		kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72
Heating capacity / COP [A +2 °C, W 35 °C]		kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10
Heating capacity / COP [A +2 °C, W 55 °C]		kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07
Heating capacity / COP [A -7 °C, W 35 °C]		kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39
Heating capacity / COP [A -7 °C, W 55 °C]		kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71
Cooling capacity / EER [A 35 °C, W 7 °C]		kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64
Cooling capacity / EER [A 35 °C, W 18 °C]		kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	15,50/3,60	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	15,50/3,60
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,58/3,46(180/135)	4,46/3,31(176/129)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,58/3,46(180/135)	4,46/3,31(176/129)
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)
	Energy class <sup>1)</sup>	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(150/125)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(150/125)
	Energy class <sup>1)</sup>	A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Indoor unit 6 kW electric heater			WH-ADC0912K6E5	WH-ADC0912K6E5	—	—	—	WH-ADC0912K6E53	WH-ADC0912K6E53	—	—	—
Indoor unit 9 kW electric heater			—	—	WH-ADC0912K9E8	WH-ADC0912K9E8	WH-ADC16K9E8	—	—	WH-ADC0912K9E83	WH-ADC0912K9E83	WH-ADC16K9E83
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602	2036 x 599 x 602
Net weight		kg	101	101	102	102	103	119	119	119	119	120
Water volume		L	185	185	185	185	185	260	260	260	260	260
Maximum DHW temperature		°C	65	65	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	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L	XL	XL	XL	XL	XL
DHW tank ERP efficiency average / warm / cold <sup>2)</sup>		A+ to F	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	A+ / A+ / A
DHW tank ERP average climate η / COPdHW		η <sub>wh</sub> % / COPdHW	112/2,80	112/2,80	112/2,80	112/2,80	107/2,68	123/3,08	123/3,08	123/3,08	123/3,08	98/2,45
DHW tank ERP warm climate η / COPdHW		η <sub>wh</sub> % / COPdHW	132/3,30	132/3,30	132/3,30	132/3,30	128/3,20	134/3,35	134/3,35	134/3,35	134/3,35	123/3,08
DHW tank ERP cold climate η / COPdHW		η <sub>wh</sub> % / COPdHW	88/2,20	88/2,20	88/2,20	88/2,20	84/2,10	94/2,35	94/2,35	94/2,35	94/2,35	80/2,00
Outdoor unit			WH-UXZ09KE5	WH-UXZ12KE5	WH-UXZ09KE8	WH-UXZ12KE8	WH-UXZ16KE8	WH-UXZ09KE5	WH-UXZ12KE5	WH-UXZ09KE8	WH-UXZ12KE8	WH-UXZ16KE8
Sound power <sup>3)</sup>	Heat	dB(A)	65	65	65	65	65	65	65	65	65	65
Dimension / Net weight		mm / kg	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103	1340 x 900 x 320/88	1340 x 900 x 320/88	1340 x 900 x 320/90	1340 x 900 x 320/90	1340 x 900 x 320/103
Refrigerant [R32] / CO <sub>2</sub> Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235
Piping 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)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m / m	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20
Operating range - outdoor ambient	Heat	°C	-28~-+35	-28~-+35	-28~-+35	-28~-+35	-28~-+35	-28~-+35	-28~-+35	-28~-+35	-28~-+35	-28~-+35
	Cool	°C	+10~-+43	+10~-+43	+10~-+43	+10~-+43	+10~-+43	+10~-+43	+10~-+43	+10~-+43	+10~-+43	+10~-+43
Water outlet <sup>4)</sup>	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN 12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. \* EER and COP calculation is based in accordance to EN 14511.

\*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.





Aquarea T-CAP Bi-bloc K Series							
Single phase (power to indoor)				Three phase (power to indoor)			
Kit 3 kW electric heater		KIT-WXC09K3E5		KIT-WXC09K3E8		—	
Kit 6 kW electric heater		KIT-WXC09K6E5		—		—	
Kit 9 kW electric heater		—		KIT-WXC09K9E8		KIT-WXC12K9E8	
KIT-WXC16K9E8		KIT-WXC12K6E5		KIT-WXC16K9E8		KIT-WXC12K9E8	
Heating capacity / COP [A +7 °C, W 35 °C]	kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38	12,10/4,84
Heating capacity / COP [A +7 °C, W 55 °C]	kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72	12,10/3,04
Heating capacity / COP [A +2 °C, W 35 °C]	kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10	12,00/3,44
Heating capacity / COP [A +2 °C, W 55 °C]	kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07	12,00/2,29
Heating capacity / COP [A -7 °C, W 35 °C]	kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39	12,00/2,72
Heating capacity / COP [A -7 °C, W 55 °C]	kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71	12,00/2,29
Cooling capacity / EER [A 35 °C, W 7 °C]	kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64	10,70/2,68
Cooling capacity / EER [A 35 °C, W 18 °C]	kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	15,50/3,60	10,70/3,92
Heating average climate [W 35 °C / W 55 °C]	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	4,96/3,57 [195/140]	4,96/3,57 [195/140]	4,96/3,57 [195/140]	4,58/3,46 [180/135]	4,46/3,31 [176/129]	4,58/3,46 [180/135]
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate [W 35 °C / W 55 °C]	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	6,47/4,34 [256/171]	6,47/4,34 [256/171]	6,47/4,34 [256/171]	6,47/4,34 [256/171]	5,88/4,09 [232/160]	6,47/4,34 [256/171]
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate [W 35 °C / W 55 °C]	Seasonal energy efficiency SCOP (η <sub>s</sub> %)	4,31/3,26 [169/127]	4,31/3,26 [169/127]	4,31/3,26 [169/127]	4,31/3,26 [169/127]	3,83/3,20 [150/125]	4,31/3,26 [169/127]
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Indoor unit 3 kW electric heater		WH-SXC09K3E5		WH-SXC09K3E8		—	
Indoor unit 6 kW electric heater		WH-SXC09K6E5		—		—	
Indoor unit 9 kW electric heater		—		WH-SXC09K9E8		WH-SXC12K9E8	
WH-SXC16K9E8		—		WH-SXC12K6E5		WH-SXC16K9E8	
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 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348
Net weight 3 kW / 6 kW / 9 kW		kg	40/41 / —	—/41 / —	40/—/41	—/—/41	—/—/42
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	173
Heating water flow (ΔT=5 K, 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
Outdoor unit		WH-UXZ09KE5		WH-UXZ12KE5		WH-UXZ09KE8	
WH-UXZ16KE8		WH-UXZ12KE8		WH-UXZ16KE8		WH-UXZ12KE8	
Sound power <sup>2)</sup>	Heat	dB(A)	65	65	65	65	65
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	88	88	90	90	103
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235
Piping 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]/1/2 [12,70]	1/4 [6,35]/1/2 [12,70]	1/4 [6,35]/1/2 [12,70]
Pipe length range / Elevation difference (in / out)		m	3~30	3~30	3~30	3~30	3~30
			20	20	20	20	20
Operating range - outdoor ambient	Heat	°C	-28~+35	-28~+35	-28~+35	-28~+35	-28~+35
	Cool	°C	+10~+43	+10~+43	+10~+43	+10~+43	+10~+43
Water outlet <sup>3)</sup>	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20

1) Scale from A+++ to D. 2) Sound power level in accordance to EN 12102 under conditions of the EN14825. 3) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. \* EER and COP calculation is based in accordance to EN 14511. \*\* This product is designed to comply with the European drinking water standard [EU] 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

*All in One indoor unit.  
Available in 185 L and  
260 L DHW tank.*





### Aquarea Quick Selector.

Helping you to find the Aquarea Heat Pump for your home in just a few clicks!

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### AR Heat Pump Viewer.

This tool allows you to see how a Panasonic Aquarea Heat Pump looks in a home, utilising augmented reality.

Visit AR Heat Pump Viewer



R32

REFRIGERANT

#### Refrigerant R32.

Our heat pumps containing R32 refrigerant show a drastic reduction in the value of Global Warming Potential (GWP).

A++

EHP 35°C

#### Better efficiency and value for medium temperature applications.

Energy efficiency class up to A++ in a scale from A+++ to D.

A+++

EHP 35°C

#### Better efficiency and Value for low temperature applications.

Energy efficiency class up to A+++ in a scale from A+++ to D.

A+

DHW

#### Better efficiency and Value for domestic hot water.

Energy efficiency class up to A+ in a scale from A+ to F.

INVERTER+

#### Inverter Plus.

Panasonic Inverter Plus compressors are designed to achieve outstanding level of performance.

A CLASS

WATER PUMP

AUTO SPEED

#### A class water pump.

Aquarea are built-in with A class energy efficiency water pump. High efficiency circulating the water in the heating installation.

DHW

DHW

#### DHW.

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

-28 °C

HEATING MODE

#### Down to -28 °C in heating mode.

The heat pumps work in heating mode with an outdoor temperature is as low as -28 °C.

WATER FILTER WITH MAGNET

WATER FILTER WITH MAGNET

#### Water filter with magnet.

Easy access and fast clip technology for J Series onwards.

60°C

OUTPUT WATER

FLOW TEMPERATURE

#### 60 °C output water.

Reaches water outlet temperature up to 60 °C.

FLOW SENSOR

FLOW SENSOR

#### Water flow sensor.

Included on H Series onwards.

BOILER CONNECTION

BOILER CONNECTION

#### Renovation.

Our Aquarea Heat Pumps can be connected to an existing or new boiler for optimum comfort even at very low outdoor temperatures.

OPTIONAL WI-FI

OPTIONAL WI-FI

#### Internet control.

The Panasonic Comfort Cloud App allows users to conveniently manage and monitor Panasonic residential heat pumps from a mobile device, anytime, anywhere.

BMS CONNECTIVITY

BMS CONNECTIVITY

#### BMS connectivity.

The communication port can be 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 COMPRESSOR WARRANTY

5 YEARS COMPRESSOR WARRANTY

#### 5 Years compressor warranty.

We guarantee the outdoor unit compressors in the entire range for five years.

# Panasonic®

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