Panasonic

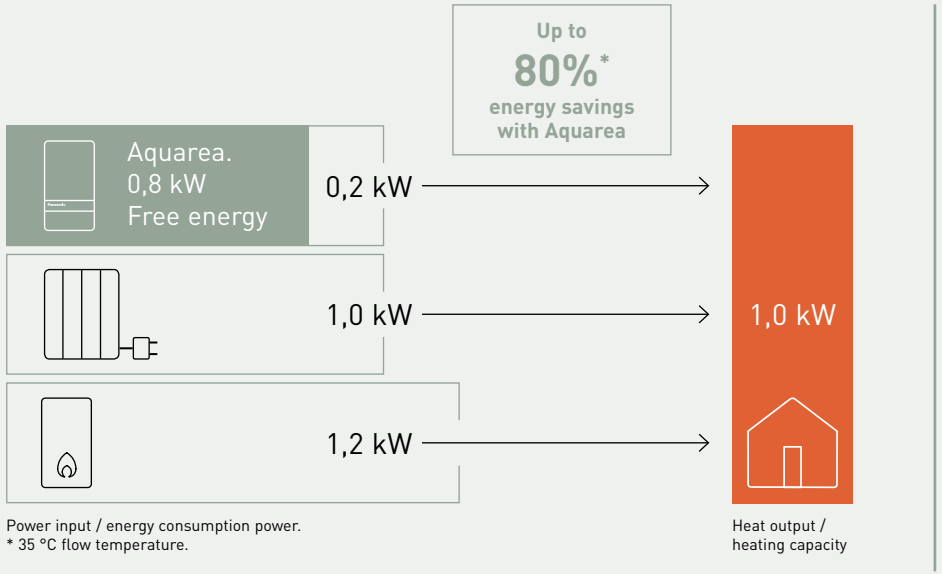
New Aquarea K Series
Air to water heat pumps | AQUAREA

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_2 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.

Panasonic

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

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™ 1).

Further noise reduction

Panasonic's unique low noise architecture.

High energy efficiency for heating

A++

High energy class for medium temperature applications.

High energy efficiency for heating

A+++

High energy class for low temperature applications.

High energy efficiency for domestic hot water

A+

DHW COP up to 3,6 2).

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

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.

iF DESIGN AWARD 2023

reddot winner 2023

GOOD DESIGN AWARD 2022 BEST 100

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.

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

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

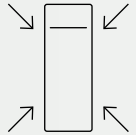
The new Aquarea All in One Compact, the ultimate space-saving solution.

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.

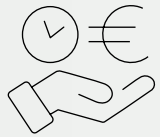
Available in185 L and 260 L DHW tank.

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



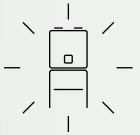
599 x 602 mm footprint

Reduces required installation space.



No buffer tank required

Reducing space, cost and installation time.

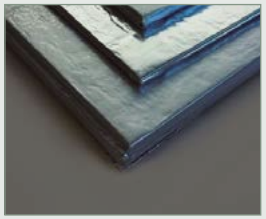


Robust body

Enables installation of a top ventilation unit.

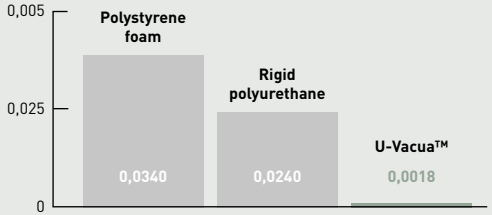
U-Vacua™; Vacuum insulation panel. Significant energy savings with world-leading insulation performance.

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.



W / mKh (at 24 °C)

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

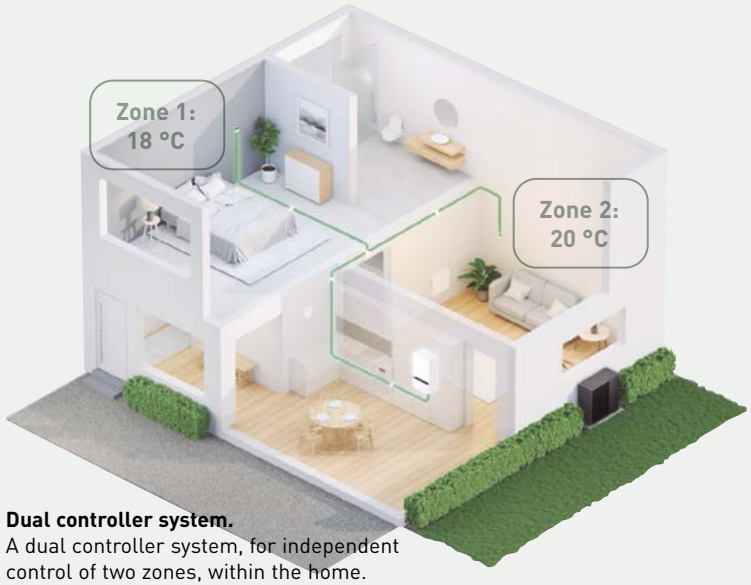
Advanced control and connectivity features, enhanced interface.

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.

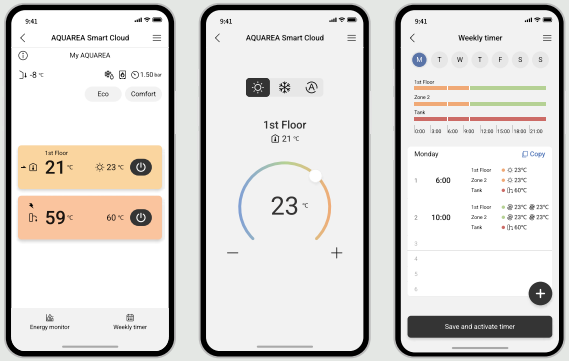
Panasonic Comfort Cloud App.

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.

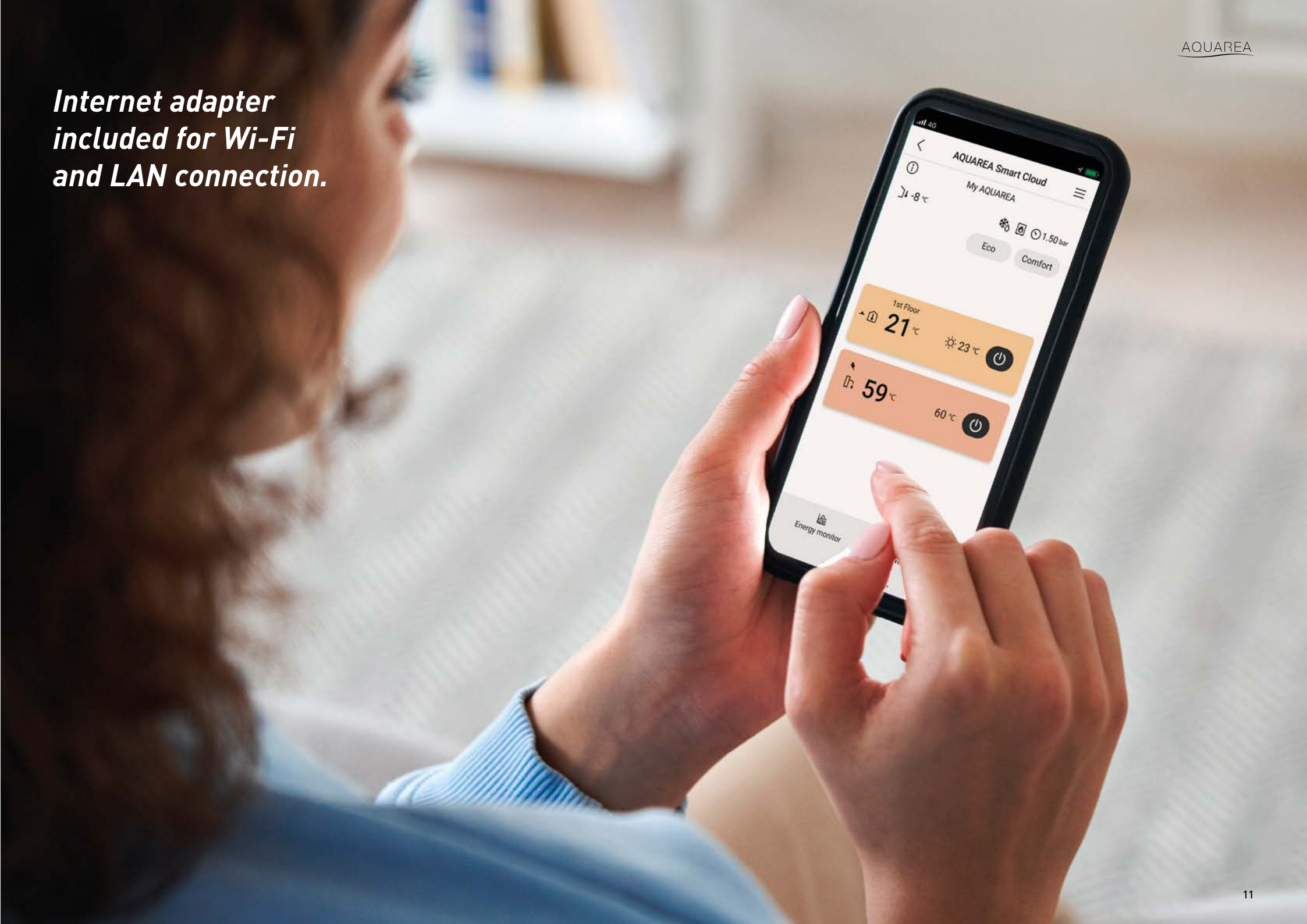


Optional internet adapter for Wi-Fi and LAN connection. CZ-TAW1C.

Comfort Cloud

Download Panasonic Comfort Cloud App.

Internet adapter included for Wi-Fi and LAN connection.



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

tado° | Panasonic

Partnership for smart heat pump solutions

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

works with Google Home

Works with Apple Home

works with alexa

Download on the App Store

GET IT ON Google Play

tado° app and Balance for Heat Pumps [1].
Multi-Room Control, scheduling and energy insights in one market leading app.

12-month free subscription to Balance for Heat Pumps [2].

1) Requires additional subscription. 2) With the purchase of PAW-THP0XE or PAW-THP0XUK. This promotion is subject to change without notice.

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.

App Store Google Play

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.

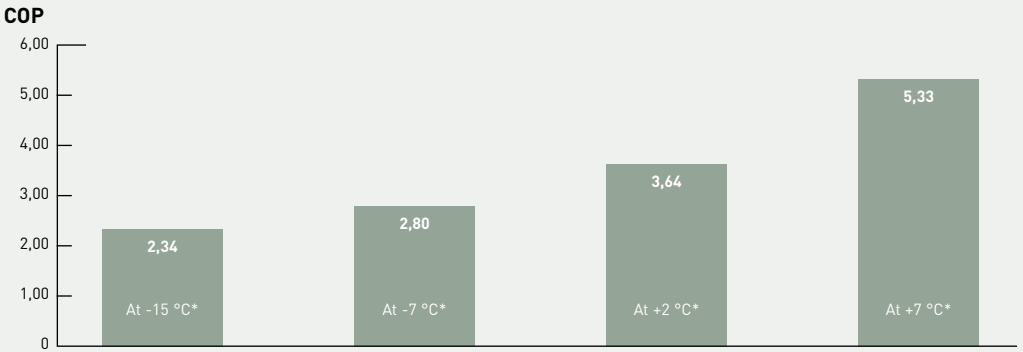
Aquarea High Performance K Series.

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 [1] this solution is perfect for either underfloor heating or low temperature radiators.

1) 3 kW.



* KIT-ADC03K3E5 at 35 °C water outlet.

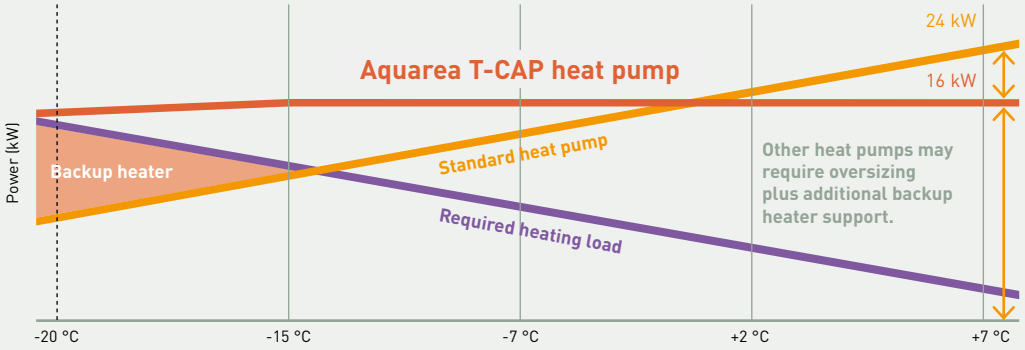
Aquarea T-CAP K Series.

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

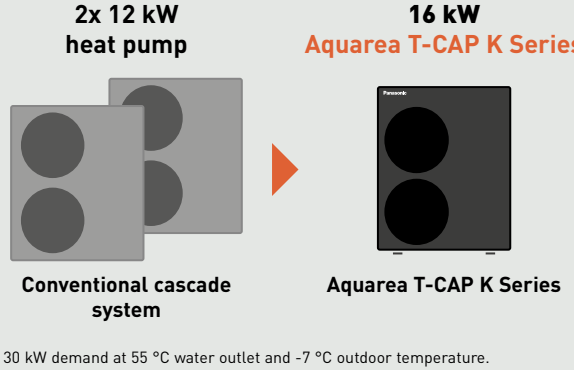
The entire Aquarea T-CAP line-up is excellent for replacing gas or oil boilers and for connecting to new underfloor heating, radiators or fan coil units.

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.



Maintained capacity.
Time-saving installation.
Cost-saving.
Space-saving.



For 30 kW demand at 55 °C water outlet and -7 °C outdoor temperature.

Aquarea High Performance

For new installations and low consumption homes.

R32 REFRIGERANT

A++ ErP 55 °C Scale from A+++ to D | A+++ ErP 35 °C Scale from A+++ to D | A+ DHW Scale from A+ to F

			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_s %)	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++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	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+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	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++	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	28/28	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	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602
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	101	102	102	103
Water volume		L	185	185	185	185	185	185	185	185	185
Maximum DHW temperature		°C	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
Tapping profile according EN16147			L	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		ηwh%/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		ηwh%/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		ηwh%/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	65
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298/37	795 x 875 x 380/55	795 x 875 x 380/55	795 x 875 x 380/55	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_2 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	1,60/1,080	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 / 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	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	-25 ~ +35
	Cool	°C	+10 ~ +43	+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	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.

Panasonic

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_s %)	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++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	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+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_s %)	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+
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 x W x D	mm	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	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 [3]		A+ to F	A+ / A / A	A+ / A / A	A+ / A+ / A	A+ / A+ / A	A+ / A+ / A
DHW tank ERP average climate η / COPdHW		ηwh % / COPdHW	100 / 2,50	100 / 2,50	123 / 3,08	123 / 3,08	98 / 2,45
DHW tank ERP warm climate η / COPdHW		ηwh % / COPdHW	116 / 2,90	116 / 2,90	134 / 3,35	134 / 3,35	123 / 3,08
DHW tank ERP cold climate η / COPdHW		ηwh % / COPdHW	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 [4]	Heat	dB(A)	65	65	65	65	65
Dimension / Net weight	H x W x D	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
Refrigerant (R32) / CO_2 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) [4] / 20 (30) [4]	3~30 (3~50) [4] / 20 (30) [4]	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.

R32
REFRIGERANT

A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D

			Aquarea 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_{s} %)	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 [1]	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_{s} %)	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 [1]	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_{s} %)	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 [1]	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	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	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		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	Variable speed
	Input power	W	145	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 [2]	Heat	dB(A)	55	55	56	56	65	65	65	65	65
Dimension	H x W x D	mm	622 x 824 x 298	795 x 875 x 380	795 x 875 x 380	795 x 875 x 380	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	37	55	55	55	88	88	90	90	103
Refrigerant (R32) / CO_2 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	1,60/1,080	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) [3]	3 ~ 40 (3 ~ 50) [3]	3 ~ 40 (3 ~ 50) [3]	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in / out)		m	20	30	30	30	20	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	-25 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet [4]	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

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.

Panasonic

Aquarea T-CAP

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

R32 REFRIGERANT

A++ ErP 55 °C Scale from A+++ to D | A+++ ErP 35 °C Scale from A+++ to D | A+ DHW Scale from A+ to F

			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_{s} %)	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 [1]	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_{s} %)	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 [1]	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_{s} %)	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 [1]	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 [2]		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		ηwh%/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		ηwh%/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		ηwh%/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 [3]	Heat	dB(A)	65	65	65	65	65	65	65	65	65	65
Dimension / Net weight	H x W x D	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_2 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 [4]	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.

R32
REFRIGERANT

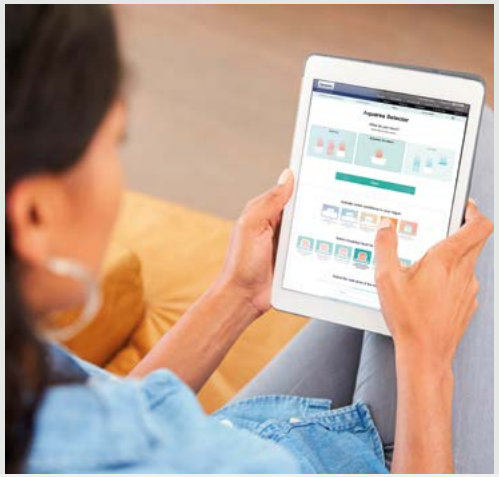
A++ ErP 55 °C Scale from A+++ to D

A+++ ErP 35 °C Scale from A+++ to D

			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-WXC12K6E5**	—	—	—
Kit 9 kW electric heater			—	—	**KIT-WXC09K9E8**	**KIT-WXC12K9E8**	**KIT-WXC16K9E8**
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
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
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
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
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
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
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
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
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η_{s} %)	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 [1]	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_{s} %)	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 [1]	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_{s} %)	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 [1]	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**	**WH-SXC12K6E5**	—	—	—
Indoor unit 9 kW electric heater			—	—	**WH-SXC09K9E8**	**WH-SXC12K9E8**	**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-UXZ12KE8**	**WH-UXZ16KE8**
Sound power [2]	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_2 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 [3]	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!

Visit Aquarea Quick Selector

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++ ErP 55°C

Better efficiency and value for medium temperature applications.
Energy efficiency class up to A++ in a scale from A+++ to D.

A+++ ErP 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.
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.
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

Water flow sensor.
Included on H Series onwards.

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

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

Panasonic®

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

Panasonic Marketing Europe GmbH
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