

K Generation 1 phase · R32

Aquarea High Performance All in One K Generation Single phase

A revolution in design, efficiency, connectivity and sustainability. Aquarea K Generation is a ground breaking low-energy system for heating, cooling and domestic hot water production that delivers outstanding performance. This model is ideal for new installations and well-insulated homes.

Outstanding efficiency and energy savings with minimised CO₂ emissions and minimum space.

A premium white, faithful to the Aquarea spirit underlined by the seamlessly integrated controller which provides a sleek black band across the unit. The All in One model maintains its compactness with its encroachment of only 599 x 602mm, comparable to a household appliance.

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.

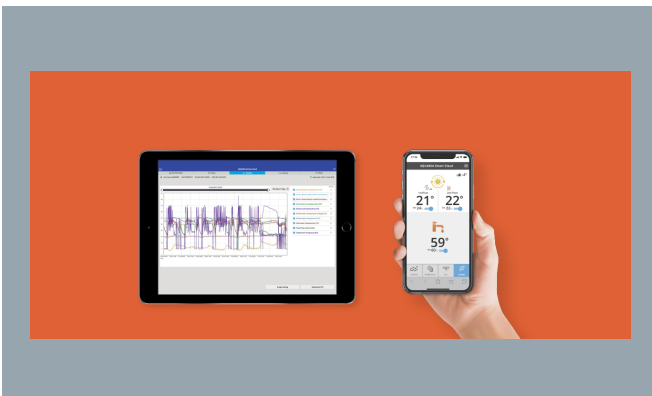
- COP up to 5,33
- A+++ in heating at 35°C and A+ in DHW
- "A" water pump with variable speed
- Stainless steel DHW tank with U-Vacua™ insulation panel
- DHW COP up to 3,50
- Built-in magnetic water filter
- Operation without backup heating at -25°C
- 60°C hot water even at -10°C outside temperature
- Optimised user interface and improved features
- Optional Aquarea Smart and Service Cloud and integration into BMS projects



Aquarea K Generation of air to water heat pumps

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Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

[FOR INSTALLERS / MAINTENANCE](#)



Visit Aquarea+ to get the most out of your heat pump

Learn how to use your heat pump, all about Aquarea Smart and Service Cloud and much more.

[FIND OUT MORE](#)



Aquarea Service+. A quiet moment

We take care of your heat pump, so you can relax and enjoy a cosy and warm home.

[FIND OUT MORE](#)



Aquarea Quick Selector

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

[TRY THE AQUAREA QUICK SELECTOR](#)



AR Heat Pump Viewer

Interested to see how a Panasonic Aquarea Heat Pump looks in your home?

Try the new Panasonic AR projector, utilising augmented reality!

[TRY THE AQUAREA AR HEAT PUMP VIEWER](#)



Heat Recovery Ventilation unit for a low-energy house

Ventilation systems with heat recovery offer users a high degree of living comfort thanks to temperature controlled and clean air.

[FIND OUT MORE](#)

K Generation 1 phase · R32		SINGLE PHASE			
		3 kW	5 kW	7 kW	9 kW
Kit 3kW electric heater		KIT-ADC03K3E5	KIT-ADC05K3E5	KIT-ADC07K3E5	KIT-ADC09K3E5
Kit 6kW electric heater		KIT-ADC03K6E5	KIT-ADC05K6E5	KIT-ADC07K6E5	KIT-ADC09K6E5
Heating capacity (A +7°C, W 35°C)	kW	3,20	5,00	7,00	9,00
COP (A +7°C, W 35°C)		5,33	5,10	4,86	4,55
Heating capacity (A +7°C, W 55°C)	kW	3,20	5,00	7,00	8,90
COP (A +7°C, W 55°C)		2,81	3,03	2,92	2,93
Heating capacity (A +2°C, W 35°C)	kW	3,20	5,00	6,85	7,00
COP (A +2°C, W 35°C)		3,64	3,57	3,43	3,40
Heating capacity (A +2°C, W 55°C)	kW	3,20	5,00	6,25	6,30
COP (A +2°C, W 55°C)		2,19	2,29	2,23	2,18
Heating capacity (A -7°C, W 35°C)	kW	3,30	5,00	5,75	6,25
COP (A -7°C, W 35°C)		2,80	2,79	2,95	2,84
Heating capacity (A -7°C, W 55°C)	kW	3,20	5,00	5,35	5,90
COP (A -7°C, W 55°C)		1,79	1,89	1,98	1,93
Cooling capacity (A 35°C, W 7°C)	kW	3,20	5,00	6,70	8,20
EER (A 35°C, W 7°C)		3,52	3,05	3,03	2,72
Cooling capacity (A 35°C, W 18°C)	kW	3,20	5,00	6,70	9,00
EER (A 35°C, W 18°C)		4,71	4,90	4,72	4,18
Heating average climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	5,07 / 3,47	5,12 / 3,63	4,90 / 3,62	4,44 / 3,41
Heating average climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η s %	200 / 136	202 / 142	193 / 142	175 / 133
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	6,20 / 4,20	6,00 / 4,20	5,75 / 4,07	5,75 / 4,07
Heating warm climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η s %	245 / 165	237 / 165	227 / 160	227 / 160
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,00 / 2,83	4,08 / 2,95	4,18 / 2,98	4,18 / 2,98

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Heating cold climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η_s %	157 / 110	160 / 115	164 / 116	164 / 116
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit 3kW electric heater		WH-ADC0309K3E5	WH-ADC0309K3E5	WH-ADC0309K3E5	WH-ADC0309K3E5
Indoor unit 6kW electric heater		WH-ADC0309K6E5	WH-ADC0309K6E5	WH-ADC0309K6E5	WH-ADC0309K6E5
Indoor sound pressure (Heat)	dB(A)	28	28	28	28
Indoor sound pressure (Cool)	dB(A)	28	28	28	28
Indoor dimension (Height)	mm	1.642	1.642	1.642	1.642
Indoor dimension (Width)	mm	599	599	599	599
Indoor dimension (Depth)	mm	602	602	602	602
Indoor net weight	kg	100 (3kW) / 101 (6kW)	100 (3kW) / 101 (6kW)	100 (3kW) / 101 (6kW)	100 (3kW) / 101 (6kW)
Water pipe connector	Inch	R 1-1/4	R 1-1/4	R 1-1/4	R 1-1/4
A class pump (Number of speeds)		Variable Speed	Variable Speed	Variable Speed	Variable Speed
A class pump (Input power Min)	W	30	30	30	30
A class pump (Input power Max)	W	120	120	120	120
Heating water flow ($\Delta T=5$ K, 35°C)	L/min	9,2	14,3	20,1	25,8
Water volume	L	185	185	185	185
Maximum DHW temperature	°C	65	65	65	65
Material inside tank		Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147		L	L	L	L
DHW tank ERP average climate efficiency rating (2)	A+ to F	A+	A+	A+	A+
DHW tank ERP warm climate efficiency rating (2)	A+ to F	A++	A++	A++	A++
DHW tank ERP cold climate efficiency rating (2)	A+ to F	A	A	A	A
DHW tank ERP average climate η	η_{wh} %	128	140	140	140
DHW tank ERP average climate COPdHW	COPdHW	3,20	3,50	3,50	3,50
DHW tank ERP warm climate η	η_{wh} %	154	160	160	160
DHW tank ERP warm climate COPdHW	COPdHW	3,86	4,00	4,00	4,00
DHW tank ERP cold climate η	η_{wh} %	99	112	112	112

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		3 kW	5 kW	7 kW	9 kW
DHW tank ERP cold climate COPdHW	COPdHW	2,48	2,80	2,80	2,80
Outdoor unit		WH-UDZ03KE5	WH-UDZ05KE5	WH-UDZ07KE5	WH-UDZ09KE5
Outdoor sound power (Heat) (3)	dB(A)	55	55	56	56
Outdoor dimension (Height)	mm	622	795	795	795
Outdoor dimension (Width)	mm	824	875	875	875
Outdoor dimension (Depth)	mm	298	320	320	320
Outdoor net weight	kg	37	55	55	55
Refrigerant (R32) / CO2 Eq.	kg / T	0,9 / 0,608	1,3 / 0,878	1,3 / 0,878	1,3 / 0,878
Piping diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Piping diameter (Gas)	Inch (mm)	1/2 (12,70)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	m	3 ~ 25	3 ~ 40 (3 ~ 50) (4)	3 ~ 40 (3 ~ 50) (4)	3 ~ 40 (3 ~ 50) (4)
Elevation difference (in/out)	m	20	30	30	30
Pre-charged pipe length	m	10	10	10	10
Additional gas amount	g/m	20	25	25	25
Operation range - Outdoor ambient (Heat)	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35
Operation range - Outdoor ambient (Cool)	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet (Heat)	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60
Water outlet (Cool)	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20
Electrical information		3kW — 6kW	3kW — 6kW	3kW — 6kW	3kW — 6kW
Electric backup heater (3kW — 6kW)	kW	3,00 — 6,00	3,00 — 6,00	3,00 — 6,00	3,00 — 6,00
Recommended fuse	A	16 / 16 — 16 / 30	16 / 16 — 16 / 30	16 / 16 — 16 / 30	16 / 16 — 16 / 30
Recommended minimum cable size, supply 1 (3kW — 6kW) (5)	mm ²	3 x 1,5 — 3 x 1,5	3 x 1,5 — 3 x 1,5	3 x 1,5 — 3 x 1,5	3 x 1,5 — 3 x 1,5
Recommended minimum cable size, supply 2 (3kW — 6kW) (5)	mm ²	3 x 1,5 — 3 x 4,0	3 x 1,5 — 3 x 4,0	3 x 1,5 — 3 x 4,0	3 x 1,5 — 3 x 4,0

(1) Scale from A+++ to D.

(2) Scale from A+ to F.

(3) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7°C.

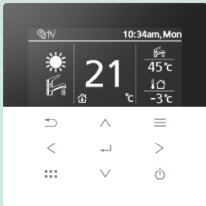
(4) Operation range down to -25°C in heating with 3 ~ 40m pipe length range, operation range down to -15°C in heating with 3 ~ 50m pipe length range.

(5) Check local regulations.

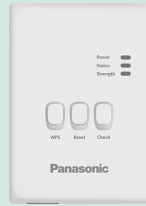
* EER and COP calculation is based in accordance to EN14511.

** This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. 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.

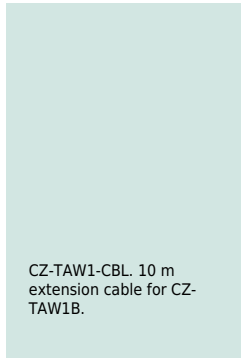
Complementary products



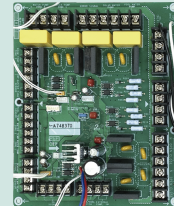
CZ-RTW1. Additional remote controller for K and L Generations



CZ-TAW1B. Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN.



CZ-TAW1-CBL. 10 m extension cable for CZ-TAW1B.



CZ-NS5P. Additional functions PCB



PAW-A2W-RTWIRED. Wired LCD room thermostat with weekly timer.