

Bi-bloc K Series 3 phase · R32

Aquarea High Performance Bi-bloc K Series Three phase

A revolution in design, efficiency, connectivity and sustainability. Aquarea K Series 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 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.



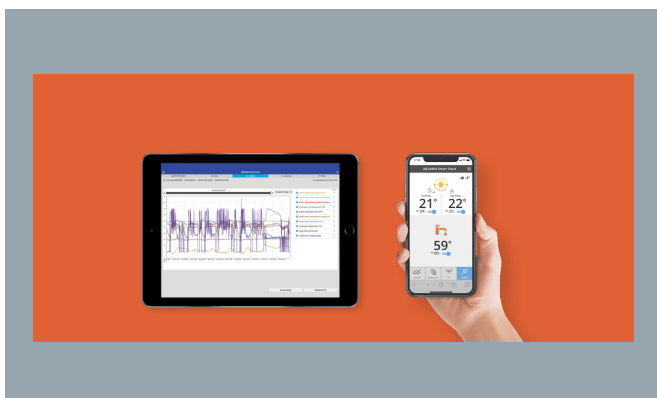
- COP up to 4,90
- A+++ in heating at 35°C and A+ in DHW
- “A” water pump with variable speed
- Long piping lengths
- Built-in magnetic water filter
- Operation without backup heating at -25°C
- 60°C hot water even at -10°C outside temperature
- Optimised user interface and improved features
- Optional Aquarea Smart and Service Cloud and integration into BMS projects



Aquarea K Generation of air to water heat pumps

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.

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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](#)

Bi-bloc K Series 3 phase · R32		THREE PHASE		
		9 kW	12 kW	16 kW
Kit 3kW electric heater		KIT-WC09K3E8		
Kit 9kW electric heater		KIT-WC09K9E8	KIT-WC12K9E8	KIT-WC16K9E8
Heating capacity (A +7°C, W 35°C)	kW	9,00	12,10	16,00
COP (A +7°C, W 35°C)		4,90	4,78	4,31
Heating capacity (A +7°C, W 55°C)	kW	9,00	12,00	14,70
COP (A +7°C, W 55°C)		2,97	2,96	2,72
Heating capacity (A +2°C, W 35°C)	kW	9,00	11,50	13,20
COP (A +2°C, W 35°C)		3,63	3,44	3,28
Heating capacity (A +2°C, W 55°C)	kW	9,00	9,20	10,00
COP (A +2°C, W 55°C)		2,26	2,25	2,21
Heating capacity (A -7°C, W 35°C)	kW	9,00	10,10	11,60
COP (A -7°C, W 35°C)		2,88	2,74	2,57
Heating capacity (A -7°C, W 55°C)	kW	8,10	8,40	9,10
COP (A -7°C, W 55°C)		2,07	1,97	1,85
Cooling capacity (A 35°C, W 7°C)	kW	8,80	10,70	13,40
EER (A 35°C, W 7°C)		3,11	2,68	2,64
Cooling capacity (A 35°C, W 18°C)	kW	8,80	10,70	15,50
EER (A 35°C, W 18°C)		4,63	3,92	3,60
Heating average climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,6 / 3,57	4,58 / 3,33	4,46 / 3,40
Heating average climate. Seasonal energy efficiency η (W 35°C / W 55°C)	ηs %	15 / 140)	180 / 130)	176 / 133)
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++

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		9 kW	12 kW	16 kW
Heating cold climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	6,47 / 4,34	6,47 / 4,34	6,20 / 4,30
Heating cold climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η %	256 / 171)	256 / 171)	245 / 16)
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating warm climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,31 / 3,26	4,31 / 3,26	4,28 / 3,10
Heating warm climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η %	16 / 127)	16 / 127)	168 / 121)
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A++	A++ / A++	A++ / A+
Indoor unit 3kW electric heater		WH-SDC09K3E8	—	—
Indoor unit 9kW electric heater		WH-SDC09K9E8	WH-SDC12K9E8	WH-SDC16K9E8
Indoor sound pressure (Heat)	dB(A)	33	33	33
Indoor sound pressure (Cool)	dB(A)	33	33	33
Indoor dimension (Height)	mm	892	892	892
Indoor dimension (Width)	mm	500	500	500
Indoor dimension (Depth)	mm	348	348	348
Indoor net weight	kg	40 (3kW) / 41 (9kW)	41	41
Water pipe connector	Inch	R 1¼	R 1¼	R 1¼
A class pump (Number of speeds)		Variable speed	Variable speed	Variable speed
A class pump (Input power)	W	145	145	145

Bi-bloc K Series 3 phase · R32		THREE PHASE		
		9 kW	12 kW	16 kW
Heating water flow ($\Delta T=5$ K, 35°C)	L/min	25,8	34,4	45,9
Outdoor unit		WH-UDZ09KE8	WH-UDZ12KE8	WH-UDZ16KE8
Outdoor sound power (Heat) (2)	dB(A)	65	65	65
Outdoor dimension (Height)	mm	1.340	1.340	1.340
Outdoor dimension (Width)	mm	900	900	900
Outdoor dimension (Depth)	mm	320	320	320
Outdoor net weight	kg	90	90	103
Refrigerant (R32) / CO2 Eq.	kg / T	1,60 / 1,080	1,60 / 1,080	1,83 / 1,235
Piping diameter (Liquid)	Inch (mm)	1/4 (6,35)	1/4 (6,35)	1/4 (6,35)
Piping diameter (Gas)	Inch (mm)	1/2 (12,70)	1/2 (12,70)	1/2 (12,70)
Pipe length range	m	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)	m	20	20	20
Pre-charged pipe length	m	10	10	10
Additional gas amount	g/m	30	30	30
Operation range - Outdoor ambient (Heat)	°C	-25 ~ +35	-25 ~ +35	-25 ~ +35
Operation range - Outdoor ambient (Cool)	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet (Heat) (3)	°C	20 ~ 60	20 ~ 60	20 ~ 60
Water outlet (Cool) (3)	°C	5 ~ 20	5 ~ 20	5 ~ 20
Electrical information		3kW — 9kW	9kW	9kW
Electric backup heater	kW	3,00 — 9,00	9,00	9,00
Recommended fuse	A	20 / 15 / 16 — 20 / 20	20 / 20	20 / 20

Bi-bloc K Series 3 phase · R32		THREE PHASE		
		9 kW	12 kW	16 kW
Recommended minimum cable size, supply 1 (4)	mm ²	5x1,5 — 5x1,5	5x1,5	5x2,5
Recommended minimum cable size, supply 2 (4)	mm ²	3x1,5 — 5x1,5	5x1,5	5x1,5

1) Scale from A+++ to D.

2) Sound power level in accordance to EN12102 under conditions of the EN14825.

3) 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.

4) Check local regulations.

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

** 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.

*** Available in Summer 2024. Tentative data.

Complementary products

