

Aquarea High Performance All in One H Generation 3 Phase • R410A

Aquarea, an innovative new low-energy system based on Air to Water heat pump technology

Aquarea warms your home effectively and efficiently, even with extreme outdoor temperatures. Aquarea can also cool space in summer and bring hot water all year round.

Aquarea High Performance is the range for new installations and low consumption homes. Outstanding efficiency and energy savings with minimised CO2 emissions and minimum space.

Aquarea All in One: This range intelligently integrates the best Hydrokit technology with a premium quality stainless steel tank, which is maintenance-free.

- A+++ energy Class (average climate at 35°C water outlet)
- Stainless steel 185 L DHW tank
- U-Vacua™ insulation panel for higher tank efficiency
- Anode free water tank, no maintenance
- Works at temperatures as low as -20°C
- Cloud control and service with CZ-TAW1
- Easy-to-use remote controller
- Built-in flow meter and automatic air purge valve
- Easy installation and maintenance, with electrical connections at the front



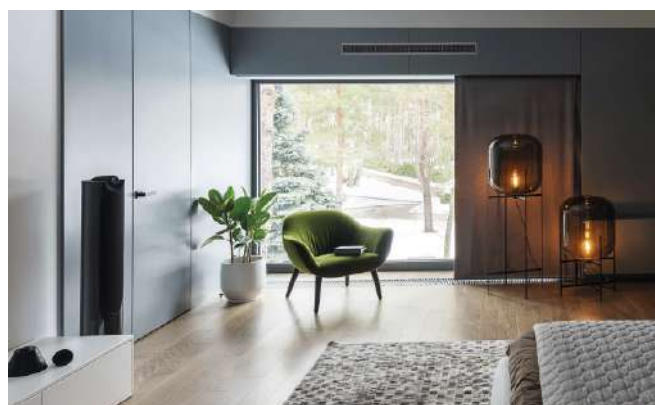
A heat pump turns heat energy outside into warmth inside



Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

[FOR INSTALLERS / MAINTENANCE](#)



Range of fan coil units provide a higher level and performance

The fan coil range consists of a compact ducted range ideal for residential and commercial use and one model with high static pressure for commercial applications.

[FIND OUT MORE ABOUT AQUAREA FAN COIL](#)

[MORE FAN COIL OPTIONS IN CHILLERS SECTION](#)

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THREE PHASE (Power to indoor)

		9 kW	12 kW	16 kW
Kit		KIT-ADC09HE8	KIT-ADC12HE8	KIT-ADC16HE8
Heating capacity (A +7°C, W 35°C)	kW	9,00	12,00	16,00
COP (A +7°C, W 35°C)		4,84	4,74	4,28
Heating capacity (A +7°C, W 55°C)	kW	9,00	12,00	14,50
COP (A +7°C, W 55°C)		2,94	2,88	2,68
Heating capacity (A +2°C, W 35°C)	kW	9,00	11,40	13,00
COP (A +2°C, W 35°C)		3,59	3,44	3,28
Heating capacity (A +2°C, W 55°C)	kW	8,80	9,10	9,80
COP (A +2°C, W 55°C)		2,23	2,20	2,17
Heating capacity (A -7°C, W 35°C)	kW	9,00	10,00	11,40
COP (A -7°C, W 35°C)		2,85	2,73	2,57
Heating capacity (A -7°C, W 55°C)	kW	7,90	8,20	9,00
COP (A -7°C, W 55°C)		2,05	1,92	1,82
Cooling capacity (A 35°C, W 7°C)	kW	7,00	10,00	12,20
EER (A 35°C, W 7°C)		3,17	2,85	2,56
Cooling capacity (A 35°C, W 18°C)	kW	7,00	10,00	12,20
EER (A 35°C, W 18°C)		4,61	4,17	4,12
Heating average climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η_s %	190 / 133	190 / 134	190 / 130
Heating average climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,83 / 3,40	4,83 / 3,43	4,83 / 3,33
Heating average 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 η (W 35°C / W 55°C)	η_s %	245 / 159	245 / 159	245 / 169
Heating warm climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	6,20 / 4,05	6,20 / 4,05	6,20 / 4,30
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate. Seasonal energy efficiency η (W 35°C / W 55°C)	η_s %	168 / 121	168 / 121	168 / 121
Heating cold climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,28 / 3,10	4,28 / 3,10	4,28 / 3,10
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A+	A++ / A+	A++ / A+
Indoor unit		WH-ADC0916H9E8	WH-ADC0916H9E8	WH-ADC0916H9E8
Indoor sound pressure (Heat)	dB(A)	33	33	33
Indoor sound pressure (Cool)	dB(A)	33	33	33
Indoor dimension (Height)	mm	1800	1800	1800
Indoor dimension (Width)	mm	598	598	598
Indoor dimension (Depth)	mm	717	717	717

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		9 kW	12 kW	16 kW
Indoor net weight	kg	126	126	126
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 Min)	W	36	36	36
A class pump (Input power Max)	W	152	152	152
Heating water flow (ΔT=5 K, 35°C)	L/min	25,80	34,40	45,90
Capacity of integrated electric heater	kW	9,00	9,00	9,00
Indoor recommended fuse	A	16 / 16	16 / 16	16 / 16
Recommended minimum cable size, supply 1	mm²	5 x 1,5	5 x 1,5	5 x 1,5
Recommended minimum cable size, supply 2	mm²	5 x 1,5	5 x 1,5	5 x 1,5
Water volume	L	185	185	185
Maximum DHW temperature	°C	65	65	65
Material inside tank		Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147		L	L	L
DHW tank ERP average climate efficiency rating (2)	A+ to F	A	A	A
DHW tank ERP warm climate efficiency rating (2)	A+ to F	A	A	A
DHW tank ERP cold climate efficiency rating (2)	A+ to F	A	A	B
DHW tank ERP average climate η	ηwh %	95	95	91
DHW tank ERP average climate SCOP		2,38	2,38	2,28
DHW tank ERP warm climate η	ηwh %	110	110	107
DHW tank ERP warm climate SCOP		2,75	2,75	2,68
DHW tank ERP cold climate η	ηwh %	75	75	72
DHW tank ERP cold climate SCOP		1,88	1,80	1,88
Outdoor unit		WH-UD09HE8	WH-UD12HE8	WH-UD16HE8
Outdoor sound power part load (Heat) (3)	dB(A)	65	65	65
Outdoor sound power full load (Heat)	dB(A)	68	69	72
Outdoor sound power full load (Cool)	dB(A)	67	68	72
Outdoor dimension (Height)	mm	1340	1340	1340
Outdoor dimension (Width)	mm	900	900	900
Outdoor dimension (Depth)	mm	320	320	320
Outdoor net weight	kg	107	107	107
Refrigerant (R410A) / CO2 Eq.	kg / T	2,55 / 5,324	2,55 / 5,324	2,55 / 5,324
Piping diameter (Liquid)	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Piping diameter (Gas)	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
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	50	50	50

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THREE PHASE (Power to indoor)

		9 kW	12 kW	16 kW
Operation range (Outdoor ambient)	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet (Heat)	°C	20 ~ 55	20 ~ 55	20 ~ 55
Water outlet (Cool)	°C	5 ~ 20	5 ~ 20	5 ~ 20

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

(2) Scale from A+ to F.

(3) Sound power in accordance to 8112013,81312013 and EN12102-1:2017 at +7°C.

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

