

Aquarea T-CAP Bi-bloc H Generation 1 Phase / 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.

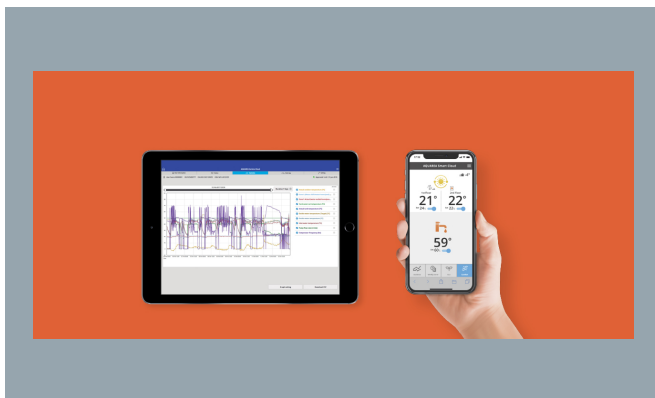
Aquarea T-CAP is the range for retrofit and new builds, keeping Total Capacity even at extremely cold ambient.

The Bi-Bloc system: The system, separate indoor and outdoor units, connects to the heating and/or hot water system.

- High energy Class A++
- Constant capacity down to -20°C
- Maximum hydraulic module output temperature: 60°C
- Works at temperatures as low as -28°C
- Special software for low consumption homes with minimum output temperature: 20°C
- Built-in magnet water filter and flow meter, and automatic air purge valve
- Domestic hot water with external tank
- Cloud control and service with CZ-TAW1
- Easy-to- use remote controller



A heat pump turns heat energy outside into warmth inside



Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

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Aquarea commercial solutions for best savings

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Aquarea T-CAP Bi-bloc H Generation 1 Phase / 3 Phase • R410A		SINGLE PHASE (Power to indoor)		THREE PHASE (Power to indoor)		
		9 kW	12 kW	9 kW	12 kW	16 kW
Kit		KIT-WXC09H3E5	KIT-WXC12H6E5	KIT-WXC09H3E8	KIT-WXC12H9E8	KIT-WXC16H9E8
Heating capacity (A +7°C, W 35°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A +7°C, W 35°C)		4,84	4,74	4,84	4,74	4,28
Heating capacity (A +7°C, W 55°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A +7°C, W 55°C)		2,94	2,88	2,94	2,88	2,71
Heating capacity (A +2°C, W 35°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A +2°C, W 35°C)		3,59	3,44	3,59	3,44	3,10
Heating capacity (A +2°C, W 55°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A +2°C, W 55°C)		2,21	2,19	2,21	2,19	2,13
Heating capacity (A -7°C, W 35°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A -7°C, W 35°C)		2,85	2,72	2,85	2,72	2,49
Heating capacity (A -7°C, W 55°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A -7°C, W 55°C)		2,02	1,92	2,02	1,92	1,86
Cooling capacity (A 35°C, W 7°C)	kW	7,00	10,00	7,00	10,00	12,20
EER (A 35°C, W 7°C)		3,17	2,81	3,17	2,81	2,57
Cooling capacity (A 35°C, W 18°C)	kW	7,00	10,00	7,00	10,00	12,20
EER (A 35°C, W 18°C)		5,19	5,13	5,19	5,13	3,49
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	181 / 130	170 / 130	181 / 130	170 / 130	160 / 125
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,60 / 3,33	4,33 / 3,33	4,60 / 3,33	4,33 / 3,33	4,08 / 3,20
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A++	A++ / A++	A+++ / A++	A++ / A++	A++ / A++
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	235 / 158	231 / 158	235 / 158	231 / 158	231 / 159
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	5,95 / 4,03	5,85 / 4,03	5,95 / 4,03	5,85 / 4,03	5,85 / 4,05
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	160 / 125	160 / 125	160 / 125	160 / 125	150 / 125
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,08 / 3,20	4,08 / 3,20	4,08 / 3,20	4,08 / 3,20	3,83 / 3,20
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Indoor unit		WH-SXC09H3E5	WH-SXC12H6E5	WH-SXC09H3E8	WH-SXC12H9E8	WH-SXC16H9E8

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		9 kW	12 kW	9 kW	12 kW	16 kW
Indoor sound pressure (Heat)	dB(A)	33	33	33	33	33
Indoor sound pressure (Cool)	dB(A)	33	33	33	33	33
Indoor dimension (Height)	mm	892	892	892	892	892
Indoor dimension (Width)	mm	500	500	500	500	500
Indoor dimension (Depth)	mm	340	340	340	340	340
Indoor net weight	kg	43	43	43	44	45
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
A class pump (Input power Min)	W	32	34	32	34	30
A class pump (Input power Max)	W	102	110	102	110	105
Heating water flow (ΔT=5 K, 35°C)	L/min	25,80	34,40	25,80	34,40	45,90
Capacity of integrated electric heater	kW	3,00	6,00	3,00	9,00	9,00
Indoor recommended fuse	A	30 / 30	30 / 30	16 / 16	16 / 16	16 / 16
Recommended cable size, supply 1	mm²	3 x 4,0 or 6,0	3 x 4,0 or 6,0	5 x 1,5	5 x 1,5	5 x 1,5
Recommended cable size, supply 2	mm²	3 x 4,0	3 x 4,0	3 x 1,5	5 x 1,5	5 x 1,5
Outdoor unit		WH-UX09HE5	WH-UX12HE5	WH-UX09HE8	WH-UX12HE8	WH-UX16HE8
Outdoor sound power part load (Heat) (3)	dB(A)	66	66	65	65	67
Outdoor sound power full load (Heat)	dB(A)	68	69	68	69	72
Outdoor sound power full load (Cool)	dB(A)	67	68	67	68	71
Outdoor dimension (Height)	mm	1340	1340	1340	1340	1340
Outdoor dimension (Width)	mm	900	900	900	900	900
Outdoor dimension (Depth)	mm	320	320	320	320	320
Outdoor net weight	kg	101	101	108	108	118
Refrigerant (R410A) / CO2 Eq.	kg / T	2,85 / 5,951	2,85 / 5,951	2,85 / 5,951	2,85 / 5,951	2,90 / 6,055
Pipe diameter (Liquid)	Inch (mm)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)	3/8 (9,52)
Pipe diameter (Gas)	Inch (mm)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)	5/8 (15,88)
Pipe length range	m	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)	m	30	30	30	30	30
Pipe length for additional gas	m	10	10	10	10	10
Additional gas amount	g/m	50	50	50	50	50
Operation range (Outdoor ambient)	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet (Heat)	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60
Water outlet (Cool)	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

(1) Sound power in accordance to 8112013,81312013 and EN12102-1:2017 at +7°C.
EER and COP calculation is based in accordance to EN14511.

Complementary products



PAW-TA30C1E5STD. Enamelled Tank 290L.



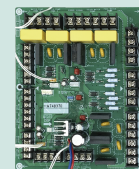
PAW-TA20C1E5STD. Enamelled Tank 200L.



PAW-A2W-RTWIRELESS.
Wireless LCD room
thermostat with weekly
timer.



PAW-3WYVLV-HW. 3 way valve
for DHW Tanks.



CZ-NS4P. PCB for
advanced functions in J
and H Generation.