

## KIT-WXC16H9E8 (WH-SXC16H9E8 + WH-UX16HE8)

### 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.

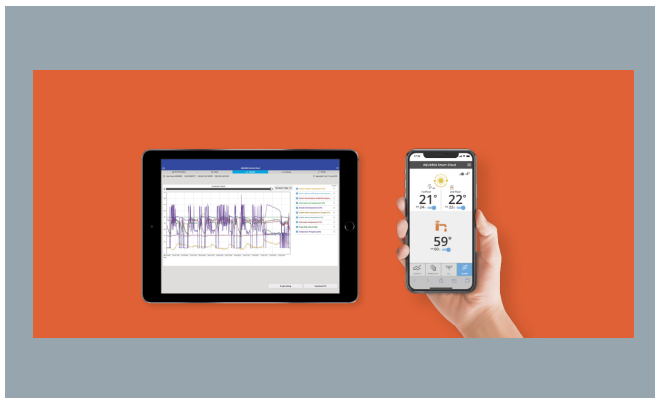
Aquarea T-CAP is the range for retrofit and new builds, keeping Total Capacity even at extremely cold ambient.

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**

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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		THREE PHASE (Power to indoor)
		<b>16 kW</b>
Kit		KIT-WXC16H9E8
Heating capacity (A +7°C, W 35°C)	kW	16,00
COP (A +7°C, W 35°C)		4,28
Heating capacity (A +7°C, W 55°C)	kW	16,00
COP (A +7°C, W 55°C)		2,71
Heating capacity (A +2°C, W 35°C)	kW	16,00
COP (A +2°C, W 35°C)		3,10
Heating capacity (A +2°C, W 55°C)	kW	16,00
COP (A +2°C, W 55°C)		2,13
Heating capacity (A -7°C, W 35°C)	kW	16,00
COP (A -7°C, W 35°C)		2,49
Heating capacity (A -7°C, W 55°C)	kW	16,00
COP (A -7°C, W 55°C)		1,86
Cooling capacity (A 35°C, W 7°C)	kW	12,20
EER (A 35°C, W 7°C)		2,57
Cooling capacity (A 35°C, W 18°C)	kW	12,20
EER (A 35°C, W 18°C)		3,49
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	160 / 125
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,08 / 3,20
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A++
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	231 / 159
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	5,85 / 4,05
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++

Aquarea T-CAP Bi-bloc H Generation 1 Phase / 3 Phase • R410A		THREE PHASE (Power to indoor)
		<b>16 kW</b>
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	η <sub>s</sub> %	150 / 125
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	3,83 / 3,20
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A++
Indoor unit		WH-SXC16H9E8
Indoor sound pressure (Heat)	dB(A)	33
Indoor sound pressure (Cool)	dB(A)	33
Indoor dimension (Height)	mm	892
Indoor dimension (Width)	mm	500
Indoor dimension (Depth)	mm	340
Indoor net weight	kg	45
Water pipe connector	Inch	R 1¼
A class pump (Number of speeds)		Variable Speed
A class pump (Input power Min)	W	30
A class pump (Input power Max)	W	105
Heating water flow (ΔT=5 K. 35°C)	L/min	45,90
Capacity of integrated electric heater	kW	9,00
Indoor recommended fuse	A	16 / 16
Recommended cable size, supply 1	mm <sup>2</sup>	5 x 1,5
Recommended cable size, supply 2	mm <sup>2</sup>	5 x 1,5
Outdoor unit		WH-UX16HE8
Outdoor sound power part load (Heat) (3)	dB(A)	67
Outdoor sound power full load (Heat)	dB(A)	72
Outdoor sound power full load (Cool)	dB(A)	71
Outdoor dimension (Height)	mm	1340
Outdoor dimension (Width)	mm	900

Aquarea T-CAP Bi-bloc H Generation 1 Phase / 3 Phase • R410A		THREE PHASE (Power to indoor)
		<b>16 kW</b>
Outdoor dimension (Depth)	mm	320
Outdoor net weight	kg	118
Refrigerant (R410A) / CO2 Eq.	kg / T	2,90 / 6,055
Pipe diameter (Liquid)	Inch (mm)	3/8 (9,52)
Pipe diameter (Gas)	Inch (mm)	5/8 (15,88)
Pipe length range	m	3 ~ 30
Elevation difference (in/out)	m	30
Pipe length for additional gas	m	10
Additional gas amount	g/m	50
Operation range (Outdoor ambient)	°C	-28 ~ +35
Water outlet (Heat)	°C	20 ~ 60
Water outlet (Cool)	°C	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

