

AQUAREA H GENERATION T-CAP BI-BLOC SINGLE PHASE / THREE PHASE. HEATING AND COOLING - SXC



The best for extreme outdoor conditions.
Constant capacity at -20°C.

Aquarea T-CAP can work in extreme outdoor conditions as low as -28°C and warranty the capacity without back up heating down to 20°C. Ready to work at extreme outdoor conditions the H Generation T-CAP can produce water up to 60°C, expanding its possibilities for retrofit application. H Generation is the quickest to install and easiest maintenance.

Technical focus

- **NEW!** Touch Controller
- **NEW!** Indoor Unit
- Very high energy savings A++
- Simple installation & maintenance
- Constant capacity up to -20°C
- Water temperature up to 60°C
- Special software for low consumption homes with minimum output temperature: 20°C
- Works at temperatures as low as -28°C
- Automatic Air purge valve
- Display of the compressor frequency



WH-UX09HE5 WH-UX12HE8
WH-UX12HE5 WH-UX16HE8

Kit			Single Phase (Power to indoor)			Three Phase (Power to indoor)		
			KIT-WXC09H3E5	KIT-WXC12H6E5	KIT-WXC09H3E8	KIT-WXC12H9E8	KIT-WXC16H9E8	
Heating capacity at +7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00	16.00		
COP at +7°C (heating water at 35°C)	W/W	4.84	4.74	4.84	4.74	4.28		
Heating capacity at +2°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00	16.00		
COP at +2°C (heating water at 35°C)	W/W	3.59	3.44	3.59	3.44	3.10		
Heating capacity at -7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00	16.00		
COP at -7°C (heating water at 35°C)	W/W	2.85	2.72	2.85	2.72	2.49		
Cooling capacity at 35°C (cooling water at 7°C)	kW	7.00	10.00	7.00	10.00	12.20		
EER at 35°C (cooling water at 7°C)	W/W	3.17	2.81	3.17	2.81	2.57		
Energy Efficiency Class at 35°C		A++	A++	A++	A++	A++		
Energy Efficiency Class at 55°C		A++	A++	A++	A++	A++		
Indoor Unit			WH-SXC09H3E5	WH-SXC12H6E5	WH-SXC09H3E8	WH-SXC12H9E8	WH-SXC16H9E8	
Sound pressure	Heating / Cooling	dB(A)	33 / 33	33 / 33	33 / 33	33 / 33	33 / 33	
Dimensions / Weight*	H x W x D	mm / kg	892 x 500 x 340 / 43	892 x 500 x 340 / 43	892 x 500 x 340 / 43	892 x 500 x 340 / 44	892 x 500 x 340 / 45	
Water pipe connector			R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	
	Input power (Min / Max)	W	32 / 102	34 / 110	32 / 102	34 / 110	30 / 105	
Heating water flow (ΔT=5 K, 35°C)		l/min	25.8	34.4	25.8	34.4	45.9	
Capacity of integrated electric heater		kW	3	6	3	9	9	
Recommended Fuse		A	30 / 30	30 / 30	16 / 16	16 / 16	16 / 16	
Recommended cable size, supply 1 & 2		mm²	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0	5 x 1.5 / 3 x 1.5	5 x 1.5 / 5 x 1.5	5 x 1.5 / 5 x 1.5	
Outdoor Unit			WH-UX09HE5	WH-UX12HE5	WH-UX09HE8	WH-UX12HE8	WH-UX16HE8	
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	51 / 49	52 / 50	55 / 54	
Dimensions / Weight	H x W x D	mm / kg	1340 x 900 x 320 / 101	1340 x 900 x 320 / 101	1340 x 900 x 320 / 108	1340 x 900 x 320 / 108	1340 x 900 x 320 / 118	
Refrigerant (R410A)		kg / TCO ₂ Eq.	2.85 / 5.951	2.85 / 5.951	2.85 / 5.951	2.85 / 5.951	2.90 / 6.055	
Pipe diameter	Liquid / Gas	Inch (mm)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	3/8 (9.52) / 5/8 (15.88)	
Pipe length range / Elevation difference (in/out)		m	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	3 - 30 / 20	
Pipe length for additional gas / Additional gas amount		m / g/m	10 / 50	10 / 50	10 / 50	10 / 50	10 / 50	
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	
Water outlet	Heating / Cooling	°C	25 - 60 / 5 - 20	25 - 60 / 5 - 20	25 - 60 / 5 - 20	25 - 60 / 5 - 20	25 - 60 / 5 - 20	

Accessories

PAW-TE18E3STD-UK	180L Standard Heat Pump Tank
PAW-TE30E3STD-UK	300L Standard Heat Pump Tank
PAW-TE18C2E3STD-UK	180L Standard Twin coil Heat Pump Tank
PAW-TE30C2E3STD-UK	300L Standard Twin coil Heat Pump Tank
CZ-TK1	Temperature sensor for 3rd party tank

Accessories

CZ-NV1	3 way valve Kit for inside of hydrokit
CZ-NS4P	Additional functions PCB
PAW-BTANK50L	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud, H Generation Internet control through Wifi or wired LAN
PAW-AZW-RTWIRED	Room thermostat

COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. * Tentative data.

