

AQUAREA T-CAP
 BI-BLOC SINGLE PHASE /
 THREE PHASE
 HEATING ONLY - SXF
 HEATING AND COOLING - SXC



SEASONAL EFFICIENCY

PRODUCT READY FOR THE NEW ErP ECODESIGN REQUIREMENTS LOT 1

A
class pump*



WH-UX09DE5 WH-UX09DE8
 WH-UX12DE5 WH-UX12DE8

The new SXF / SXC is ideal for residential properties which don't have an external boiler and require a maintained capacity level.

T-CAP stands for Total Capacity. This new line-up is able to maintain the same nominal capacity even at -15 °C without the help of an electrical booster heater. T-CAP is also able to provide extremely high efficiency, whatever the outside temperature or the water temperature. The SXF / SXC adapts well in an existing install with a boiler backup, and in a new application with underfloor heating, low temperature radiators or even fan-coil heaters. This Range can also be connected to a solar kit in order to increase efficiency and minimize the impact on the ecosystem. Finally, it is possible to connect a thermostat for even better heating control (SXF) or better heating or cooling control (SXC) and management.

Technical focus

- **NEW!** Efficient control of room temperature based on the outdoor temperature, indoor temperature using the Aquarea Manager.
- Optional Smartphone control
- Range from 9 to 12 kW, Single and Three Phase
- Maximum hydraulic module output temperature: 55 °C
- Works down to -20 °C
- Cooling temperature range 5-20 °C (SXC)
- Constant capacity at outdoor temperatures down to -15 °C (at a heating water temperature of 35 °C)
- Maximum 30 m (SXF) 20 m (SXC) rise between the outdoor unit and the hydraulic module

* A class pump for Three Phase models.

		Single Phase (Power to indoor)		Three Phase (Power to indoor)	
		KIT-WXF09DE5	KIT-WXF12DE5	KIT-WXF09DE8	KIT-WXF12DE8
		KIT-WXC09DE5	KIT-WXC12DE5	KIT-WXC09DE8	KIT-WXC12DE8
Kit Heating Only		Single Phase (Power to indoor)		Three Phase (Power to indoor)	
Kit Heating and Cooling		KIT-WXC09DE5		KIT-WXC12DE5	
Indoor unit Heating Only		WH-SXF09D3E5	WH-SXF12D6E5	WH-SXF09D3E8	WH-SXF12D9E8
Indoor unit Heating and Cooling		WH-SXC09D3E5	WH-SXC12D6E5	WH-SXC09D3E8	WH-SXC12D9E8
Outdoor unit		WH-UX09DE5	WH-UX12DE5	WH-UX09DE8	WH-UX12DE8
Heating Capacity at +7 °C with heating water at 35 °C	kW	9.00	12.00	9.00	12.00
COP at +7 °C with heating water at 35 °C		4.74	4.67	4.74	4.67
Heating Capacity at +2 °C with heating water at 35 °C	kW	9.00	12.00	9.00	12.00
COP at +2 °C with heating water at 35 °C		3.53	3.40	3.53	3.40
Heating Capacity at -7 °C with heating water at 35 °C	kW	9.00	12.00	9.00	12.00
COP at -7 °C with heating water at 35 °C		2.81	2.70	2.81	2.70
Heating Capacity at -15 °C with heating water at 35 °C	kW	9.00	12.00	9.00	10.00
COP at -15 °C with heating water at 35 °C		2.54	2.40	2.54	2.40
Cooling capacity at 35 °C with cooling water at 7 °C ¹	kW	7.00	10.00	7.00	10.00
EER at 35 °C with cooling water at 7 °C ¹		3.11	2.78	3.11	2.78
Indoor unit					
Dimensions	H x W x D	mm	892 x 502 x 353	892 x 502 x 353	892 x 502 x 353
Weight		kg	47 (48 ¹)	49 (51 ¹)	51 (52 ¹)
Water pipe connector			R 1 ½	R 1 ½	R 1 ½
Pump	No. of Speed		3	3	7
	Input power (Max.)	W	190	190	39
Heating water flow (ΔT=5 K, 35 °C)		l/min	25.8	34.4	25.8
Capacity of integrated electric heater		kW	3	6	3
Input Power		kW	1.90	2.57	1.90
Starting Current		A	8.8 (10.4 ¹)	11.9 (16.7 ¹)	2.9 (3.4 ¹)
Current 1 / Current 2 / Current 3		A	25.0 / 26.0 / -	29.0 / 26.0 / 13.0	14.7 / 13.0 / -
Recommended Fuse		A	30 / 30	30 / 30 / 16	16 / 16
Recommended power cable section		mm ²	4.0 / 4.0	4.0 / 4.0 / 1.5	1.5 / 1.5
Outdoor unit					
Sound pressure level		dB(A)	49	50	49
Sound power level		dB	66	67	66
Dimensions / Weight	H x W x D	mm / kg	1340 x 900 x 320 / 107	1340 x 900 x 320 / 107	1340 x 900 x 320 / 110
Pipe diameter	Liquid / Gas	mm (Inch)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)
Refrigerant (R410A)		kg	3.10	3.10	3.10
Pipe length range		m	3 - 30	3 - 30	3 - 30
Pipe length for nominal capacity		m	7	7	7
Pipe length for additional gas		m	15	15	15
Additional gas amount (R410A)		g/m	50	50	50
I/D&O/D Hight Difference		m	20	20	20
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35	-20 to 35
Water outlet at -2/-7/-15	Heating / Cooling ¹	°C	25 - 55 / 5 - 20	25 - 55 / 5 - 20	25 - 55 / 5 - 20

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511. 1. Specifications for Heating and Cooling models.

Internet Control Ready | 100% capacity at -15 °C | High efficiency heating | Environmentally friendly refrigerant | Down to -20 °C in heating mode | Boiler connection | Solar panels connection | Domestic hot water | Easy control by BMS | 5 year compressor warranty