

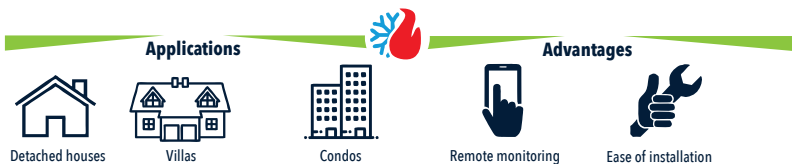


Heating and
Cooling
Residential & Industrial

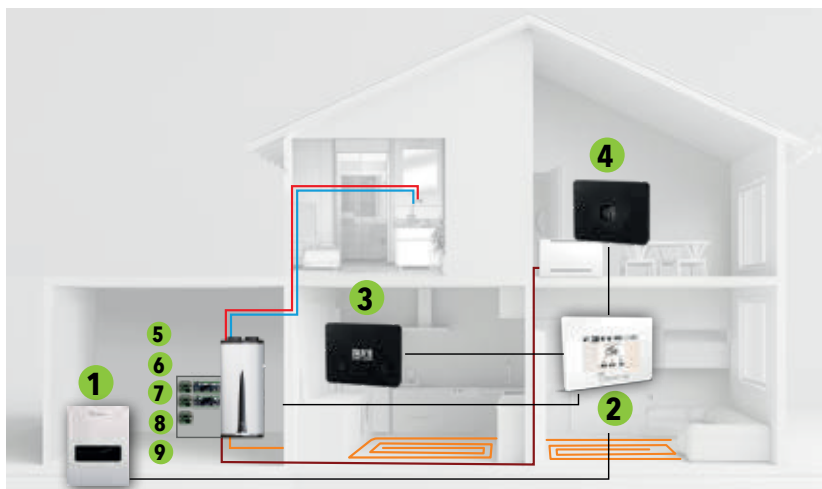


Residential air-to-water heat pumps

Templari's KITA lines are an ecological solution that does not require the integration of boilers, thus allowing the definitive detachment from fossil fuels, which are harmful to the environment. Templari, every day, invests great resources, skills and professionalism that allow a continuous evolution of the performances of the offered products, implementing new solutions and functionalities that make the KITA lines, more and more efficient and ecological, in order to satisfy the widest needs of the customers.



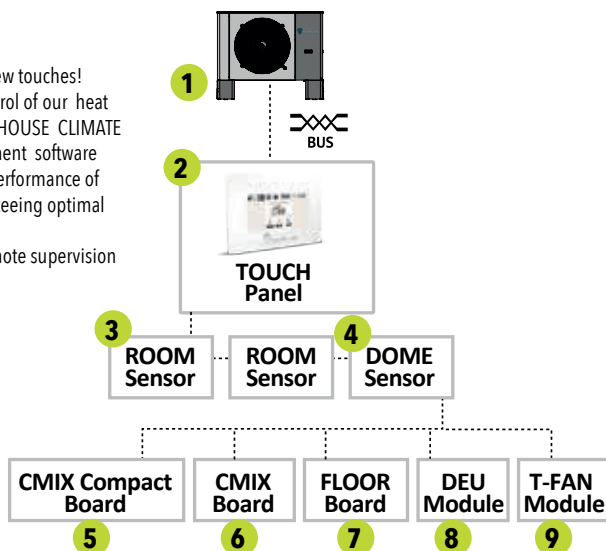
HCC THERMAL REGULATION FOR REMOTE CONTROL



HCC system

Comfort management in a few touches!
For precise and efficient control of our heat pumps, we have developed HOUSE CLIMATE CONTROL (HCC), a management software capable of optimising the performance of the heat pump thus guaranteeing optimal living comfort.

The software also allows remote supervision of the entire system



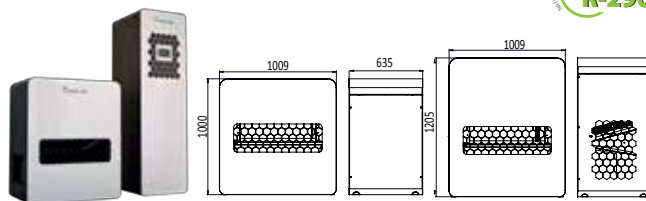
The HCC system consists mainly of:

- Touch Display: allows you to monitor and set all the system;
- ROOM sensors: monitor in real time the temperature and humidity of the different rooms;
- DOME sensors: monitor in real time the temperature and humidity of the different rooms;
- FLOOR boards: acquire the data of the ROOM sensors, and manage mixers and circulators.
- CMIX Compact boards: capable of managing a secondary circuits, a direct one or mixed one, acquiring the room request by closing the relative digital enabling inputs (DRY CONTACT ROOM THERMOSTAT), or from the associated Room and Dome sensors;
- CMIX boards: capable of managing up to two secondary circuits, a direct one and a mixed one, acquiring the
- room request by closing the relative digital enabling inputs (DRY CONTACT ROOM THERMOSTAT), or from the associated Room and Dome sensors;
- DEU MODULES: manage a room dehumidifier, based on the humidity measured by ROOM or DOME sensors;
- T-FAN MODULES: manages a 0-10V or 3-speed fan-coil unit, depending on the temperature measured by the associated Room or Dome sensor.

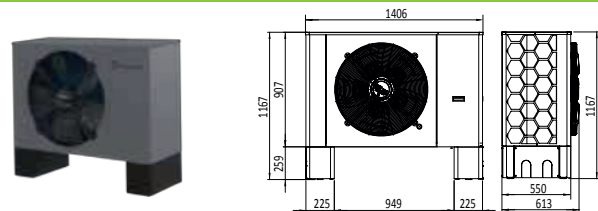


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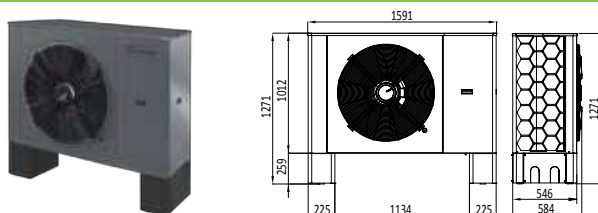
KITA XS



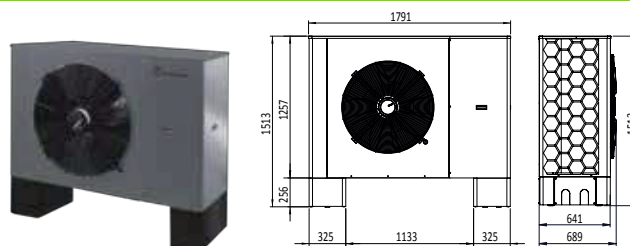
KITA SP



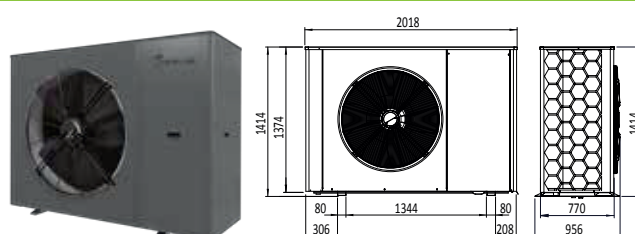
KITA MP



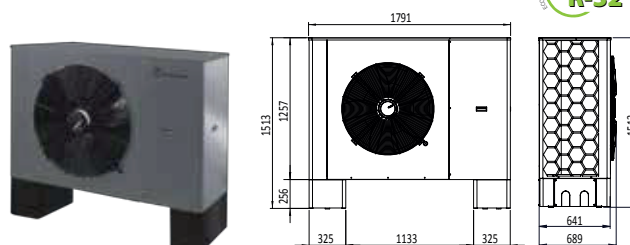
KITA LP



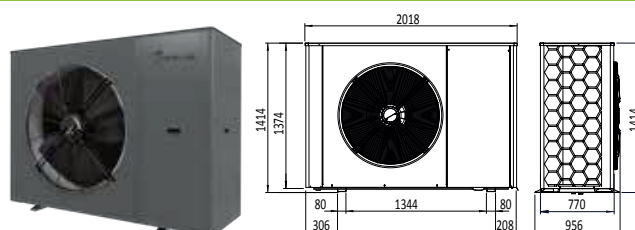
KITA LP PLUS



KITA LR



KITA LR PLUS



Industrial air-to-air heat pumps

Air condition large spaces with maximum efficiency.

The KITA Air air-to-air heat pump units are the best solution for air conditioning large internal spaces such as warehouses, production areas, warehouses and gyms, both for winter heating and for summer conditioning.

KITA Air allows you to avoid the hydraulic circuit and the installation between the outdoor and indoor units is simple, immediate and economical.

Applications



Industrial areas



Warehouses



Commercial buildings



Advantages



Remote monitoring



Ease of installation



OUTDOOR UNIT

Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	14,2 kW (KITA AIR - KITA AIR COLD) 16 kW (KITA AIR COLD) - 18 kW (KITA AIR PLUS)
Max Current:	30 A (KITA AIR) - 38 A (KITA AIR COLD) 45 A (KITA AIR PLUS)
Operating temperature:	Winter heating -25°C / 28°C Summer conditioning 5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Inverter typology: BLDC Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A (3Ph) Maximum speed: 640 rps Maximum air flow: 17203 m³/h (KITA AIR - KITA AIR COLD) - 18040 m³/h (AIR PLUS).
Outdoor unit noise:	External sound pressure (distance 5 mt): 38 dB(A)
Outdoor unit dimensions (HxLxP):	1257 x 1791 x 641 mm (KITA AIR - KITA AIR COLD) 1414 x 2021 x 956 mm (KITA AIR PLUS)
Refrigerant:	R32 - Q.ty 7,4
Coolant connections Ø:	GAS: 22 mm (1 1/4") - Liquid: 16 mm (5/8") Ømm (KITA AIR - KITA AIR COLD-KITA AIR PLUS)
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 - Lug spacing: 2.5 mm Hydrophilic coating
Weight:	285 Kg

KITA AIR

AIR/AIR Version - INVERTER



INDOOR UNIT

Type:	Inverter BLDC
Nominal diameter:	800 mm
Maximum power consumption:	0,835kW
Max current:	1,4 A
Maximum speed:	735 rpm
Max air flow:	14000 m³/h
Throw distance:	25 m
Indoor unit noise (distance 3 meters):	External sound pressure 42dB(A)
Indoor unit dimensions (HxLxP):	1090 x 1253 x 765 mm
External heat exchangers:	No. of ranks 3 Lug spacing 1,7 mm
Weight:	100 Kg



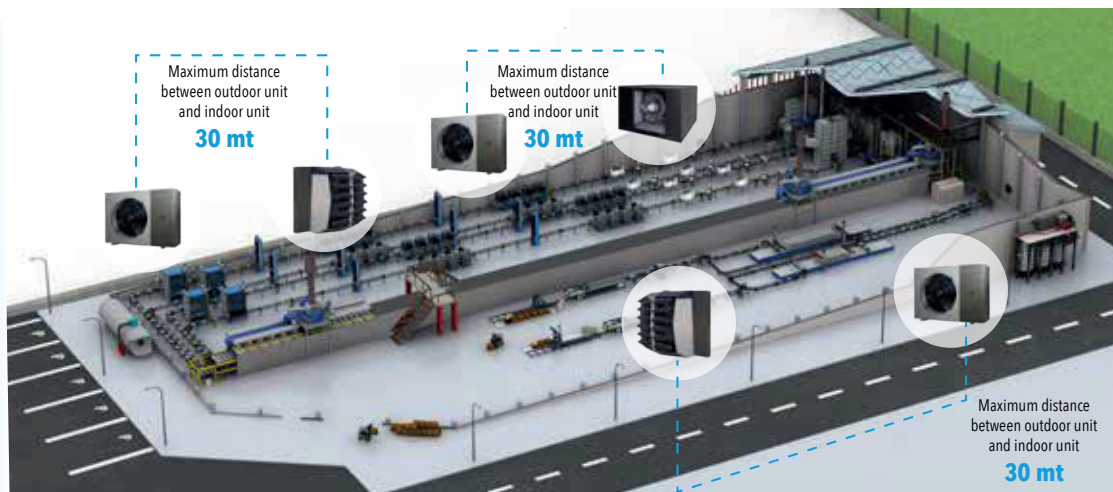
DUCTED INDOOR UNIT

Type:	Inverter BLDC
Nominal diameter:	630 mm
Maximum power consumption:	1,3 kW
Max current:	2 A
Maximum speed:	1000 rpm
Max air flow (only car):	14000 m³/h
Residual pressure:	380 Pa
Nominal air flow (machine+air duct):	11000 m³/h
Residual pressure:	230 Pa
Minimum air flow with filter:	9300 m³/h
Residual pressure:	180 Pa
Indoor unit dimensions (HxWxD):	978 x 1598 x 1011 mm
External heat exchangers:	No. of ranks 4 Lug spacing 1.6mm
Weight:	208 Kg

INSTALLATION EXAMPLE



15" K-Touch panel for multi-machine control.



KITA XS/R290

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 65° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
XS 75	758	5,90	750	4,66	6,47	4,31	5,32	3,26	4,23	2,73	3,64	2,47	5,53	2,45	6,00	3,15	6,45	4,78
XS 9	753	5,47	9,00	4,23	7,76	3,74	6,43	2,88	5,12	2,43	4,39	2,18	6,87	2,23	7,00	2,79	6,65	4,71

KITA SP/R290

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 65° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
SP-8	9,00	6,91	8,00	5,78	7,01	4,92	5,76	3,72	4,59	3,01	4,03	2,55	5,71	2,70	6,40	3,86	9,36	5,57
SP-10	11,30	6,37	10,00	5,44	8,81	4,72	7,36	3,52	5,87	2,86	5,13	2,44	7,42	2,60	8,22	3,62	10,00	5,43
SP-12	13,65	5,81	12,10	4,99	11,53	4,23	10,94	3,02	8,82	2,50	7,61	2,20	9,78	2,32	10,00	3,36	10,00	5,43

KITA MP/R290

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 65° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
MP-14	15,75	5,78	14,00	4,92	12,31	4,26	10,31	3,18	8,26	2,59	7,10	2,27	10,47	2,23	12,00	3,11	12,00	5,61
MP-16	17,34	5,62	15,04	4,75	13,58	4,16	11,36	2,95	9,13	2,53	7,84	2,21	11,52	2,11	12,00	3,11	12,00	5,61
MP-18	20,33	5,84	18,04	5,09	15,91	4,46	13,24	3,31	10,65	2,69	9,17	2,32	14,18	2,49	12,00	3,38	12,00	5,41
MP-20	22,47	5,63	20,00	4,90	18,42	4,27	16,38	3,16	13,25	2,58	11,49	2,25	16,38	2,37	12,00	3,38	12,00	5,41

KITA LP/R290

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 65° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
LP-22	22,92	5,41	22,00	4,52	20,20	4,09	16,10	3,08	12,87	2,51	11,79	2,18	17,69	2,27	17,14	3,00	19,94	4,54
LP-26	29,54	5,81	26,18	5,08	23,12	4,44	19,44	3,35	15,88	2,76	13,88	2,42	21,09	2,54	21,40	3,36	23,00	5,34
LP-28	31,70	5,67	28,11	4,97	24,82	4,37	20,89	3,29	17,09	2,72	14,98	2,40	22,91	2,49	22,91	3,24	23,00	5,34
LP-32	36,22	5,46	32,22	4,78	28,58	4,19	24,06	3,14	19,74	2,61	17,32	2,31	26,23	2,37	23,86	3,15	23,00	5,34
LP-35	39,42	5,28	35,00	4,65	31,14	4,10	26,27	3,09	21,56	2,56	18,97	2,27	28,61	2,30	23,86	3,15	23,00	5,34

KITA LP PLUS/R290

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 65° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
LP PLUS 35	39,55	5,72	35,00	4,92	30,65	4,28	25,60	3,19	20,56	2,61	17,96	2,33	27,68	2,48	27,83	3,22	38,08	4,30
LP PLUS 40	45,62	5,44	40,00	4,72	35,35	4,07	29,34	3,04	23,72	2,52	20,73	2,26	31,93	2,35	31,38	2,95	38,08	4,30

KITA LR35/R32

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 55° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
LR35	39,15	5,06	34,80	4,50	33,17	3,94	28,76	3,17	25,31	2,85	22,89	2,58	32,80	2,71	30,60	3,12	32,00	4,70
LR 35 Cold	39,31	5,20	35,42	4,62	36,34	3,93	33,11	3,10	27,70	2,65	24,93	2,42	35,51	3,12	30,09	3,39	32,00	5,03

KITA LR-PLUS/R32

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 55° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
LR Plus	51,00	5,02	48,67	4,58	45,59	4,01	41,95	3,37	34,69	2,83	31,05	2,53	42,55	2,43	38,00	2,47	39,00	4,12

KITA AIR/R32

MODEL	Heating												Cooling	
	A 12°C / A 20° C		A 7°C / A 20° C		A 2°C / A 20° C		A -7°C / A 20° C		A -15°C / A 20° C		A -20°C / A 20° C		A 35°C / A 27° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER
	kW		kW		kW		kW		kW		kW		kW	
KITA AIR	39,00	4,70	39,00	4,45	35,00	3,75	32,00	3,20	32,00	2,70	27,00	2,50	35,00	4,02
KITA AIR Cold	40,00	4,63	40,00	4,36	35,00	4,00	35,00	3,10	35,00	2,60	30,00	2,35	37,00	4,20
KITA AIR Plus	48,00	4,81	47,00	4,20	45,00	3,84	42,00	3,04	35,00	2,65	31,00	2,45	39,00	4,00

KITA HRP High-efficiency reversible air-to-water



KITA HRP/R290



MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 65° C		A 35°C / W 7° C		A 35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
HRP 10	10,32	5,16	9,06	4,43	7,50	3,25	6,93	3,01	6,02	2,64	5,18	2,31	6,50	1,88	7,92	3,23	11,17	4,60
HRP 12	13,69	5,71	12,09	4,90	10,63	4,23	8,80	3,11	7,09	2,54	6,11	2,23	9,04	2,27	9,26	3,01	13,00	4,21
HRP 14	15,93	5,34	14,09	4,61	12,42	3,99	10,31	2,96	8,30	2,42	7,18	2,13	10,60	2,11	10,68	2,74	13,00	4,21
HRP 16	17,99	4,93	15,93	4,25	14,04	3,70	11,01	2,91	8,86	2,38	7,67	2,10	11,11	1,94	11,09	2,65	13,00	4,21

Hydrobox - Electrical box



Hydrobox

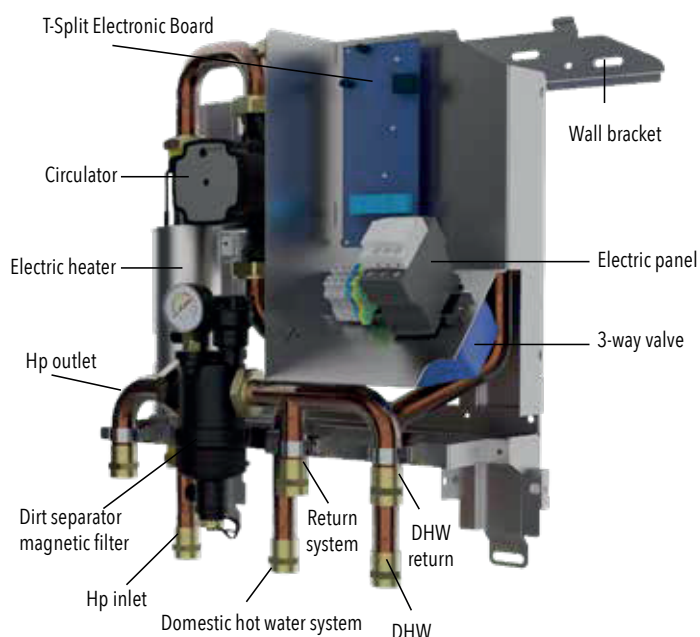


Electrical box
Vers. complete



Electrical box
Vers. simple

Example Hydrobox Full



The Hydrobox is an indoor hydronic module characterized by its elegant and functional design.

Hydrobox version Direct

The Direct version includes a circulator, a dirt separator Magnetic filter and an electronic board, with the possibility of adding an optional electric heater.

Hydrobox version Basic

The Basic version includes a circulator, a dirt separator Magnetic filter a 3-way valve and an electronic board, with the possibility, of adding an optional electric heater.

Hydrobox version Full

The Full version includes a circulator, a dirt separator magnetic filter, and two 3-way valves: one working on the hydraulic system/sanitary and the other working on the sanitary pre-heating, and an electronic board, with the possibility of adding an optional electric heater.

Electrical box

The Electrical Box is a versatile and secure solution for storing the accessory part of your system. Designed to offer optimal and tidy management of electrical and electronic elements. The box is available in two versions: single or integrated into the Hydrobox.

Single version :

This version accommodates electrical and electronic components that can be installed on a DIN rail, for a maximum capacity of 36 DIN modules, offering ample space for wiring and protection of electronic components. The T-Split module is already present inside.

Version with Integrated Hydrobox :

With this configuration, the box is combined with the Hydrobox and allows the housing of electrical and electronic components that can be installed on DIN rails, for a maximum capacity of 48 DIN modules, providing protection and ease of installation for complex systems. the T-Split module is installed inside the Hydrobox. Both versions are designed to offer maximum safety, convenience and ease of installation, adapting perfectly to the different requirements of your electrical and temperature control systems.

Code	Description
4.8.1.5	Hydrobox Direct Version
4.8.1.1	Hydrobox Basic Version
4.8.1.2	Hydrobox Full Version
4.5.1.24	Electrical box pour Hydrobox - Vers. complète
4.5.2.25	Electrical box - Single version



Enter the world
of Templari



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