Templari

HEAT PUMPS

TECHNICAL CATALOGUE 2026

Technology
Made in Italy


Templari
HEAT PUMPS

TECHNICAL CATALOGUE 2026

Air-to-air heat pumps

Air-to-water heat pumps

Accessories





Templari was founded in 2006 by Gianluca and Massimo Masiero, with the goal of offering newgeneration heat-pump systems with very low environmental impact.
The heart of the company, born from the passion and professionalism of the two brothers, is the R&D department where the best products are created, such as KITA, an innovative, unique heat pump entirely developed and designed in Italy. KITA AIR was designed to heat and cool workplaces such as offices, industrial sheds, warehouses and workshops. It's an air-to-air heat pump ideal for large spaces that require high performance and where operating costs and respect for the environment are priority requirements.

Over time, the KITA and **KITA AIR** product lines have evolved and important operational and design improvements have been implemented, leading to the current product on the market: a heat pump that combines technology and innovation with a sophisticated design, guaranteeing high performance, even at extremely low outside temperatures (below -20°C).

The KITA Templari lines offer an environmentally friendly solution that does not require the integration of boilers, so as to permanently avoid the use of environmentally harmful fossil fuels. Every day Templari deploys massive resources, expertise and professionalism to ensure a constant evolution in the performance of its products, implementing new solutions and functions that make the KITA lines more and more efficient and ecological, in order to satisfy a wide range of customer needs.













Detached houses | Semi-detached | Blocks of flats | Industrial areas | Warehouses | Commercial spaces



KITA XS 7.5 – 9 kW

7.5 – 9 kW



KITA SP 8 – 12 kW

8 – 12 kW



KITA HRP 10 – 16 kW

10 – 16 kW



KITA MP 14 – 20 kW

14 – 20 kW



KITA LP 22 – 35 Kw

22 – 35 kW



KITA LR 35 kW

35 kW



KITA LP PLUS 35 – 40 kW

35 – 40 kW



KITA LR PLUS 48 kW

48 kW



KITA AIR 34 – 40 kW

34 - 40 kW



KITA AIR PREMIUM 42 kW

42 kW



KITA AIR PLUS 47 kW

47 kW

Air-to-water Air-to-air

AIR-TO-WATER HEAT PUMPS

INNOVATIVE SOLUTIONS FOR EVERYDAY COMFORT





KITA XS/R290 | KITA HRP/R290 | KITA SP/R290 | KITA MP/R290 | KITA LP/R290 | KITA LR/R32 | KITA LP PLUS/R290 | KITA LR PLUS/R32

Air-to-water

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.

Applications

Detached houses | Semi-detached | Block of flats

Offices | Small businesses

Advantages

Remote monitoring | Ease of installation

AIR-TO-AIR HEAT PUMPS

INNOVATIVE SOLUTIONS FOR INDUSTRIAL COMFORT







KITA AIR/R32
KITA AIR COLD/R32

KITA AIR PREMIUM/R32
KITA AIR PLUS/R32

Outdoor units





DUCTED

SPLIT

Indoor units

Air-to-air

Conditioning large spaces with maximum efficiency.
The KITA Air air-to-air heat pump units are the best solution for 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

GYM

Commercial spaces

Advantages

Remote monitoring

Ease of installation

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Templari
HEAT PUMPS









AIR-TO-AIR HEAT PUMPS

Templari
HEAT PUMPS

AIR-TO-AIR HEAT PUMPS

Outdoor units



KITA AIR

KITA AIR COLD



KITA AIR PREMIUM

KITA AIR PLUS

Indoor units



DUCTED



SPLIT







ADVANTAGES

Direct heat transfer with no hydraulic circuit ensures fewer losses, higher efficiency, and a simpler system.

Defrost activated only when needed. This means lower energy consumption, a protected compressor, and continuous operation even in winter.

Inverter fan operating at low speed, combined with an oversized indoor unit, drastically reduces sound impact.

Direct connection between the outdoor and indoor unit (up to 30 m) allows for quick installation, without the need for complex hydraulic networks. An ideal solution for new builds or the renovation of warehouses and production areas.

The control system, featuring a touch display and HCC software, enables continuous monitoring, parameter adjustment, and management even in multi-unit configurations. A system that's always under control, even remotely.

Kita Air is an industrial air-to-air heat pump consisting of an outdoor unit connected via an R32 refrigerant line to an indoor unit dedicated to air distribution.

The system's architecture allows for direct transfer of thermal energy to the ambient air, without the use of storage tanks or intermediate hydraulic circuits.
The range features an inverter compressor with outputs of up to 50 kW thermal and is designed to ensure reliable operation even at outdoor air temperatures as low as -20°C.

The indoor unit is available in two configurations:

- split, for air treatment in industrial settings and large spaces;
- ducted, designed for specific applications where direct discharge could cause discomfort to people or interfere with production processes. The ducted version can be integrated with the latest air distribution ducting systems, allowing for more controlled and even air diffusion.

The system is controlled via a dedicated touch display, with multi-unit management available.

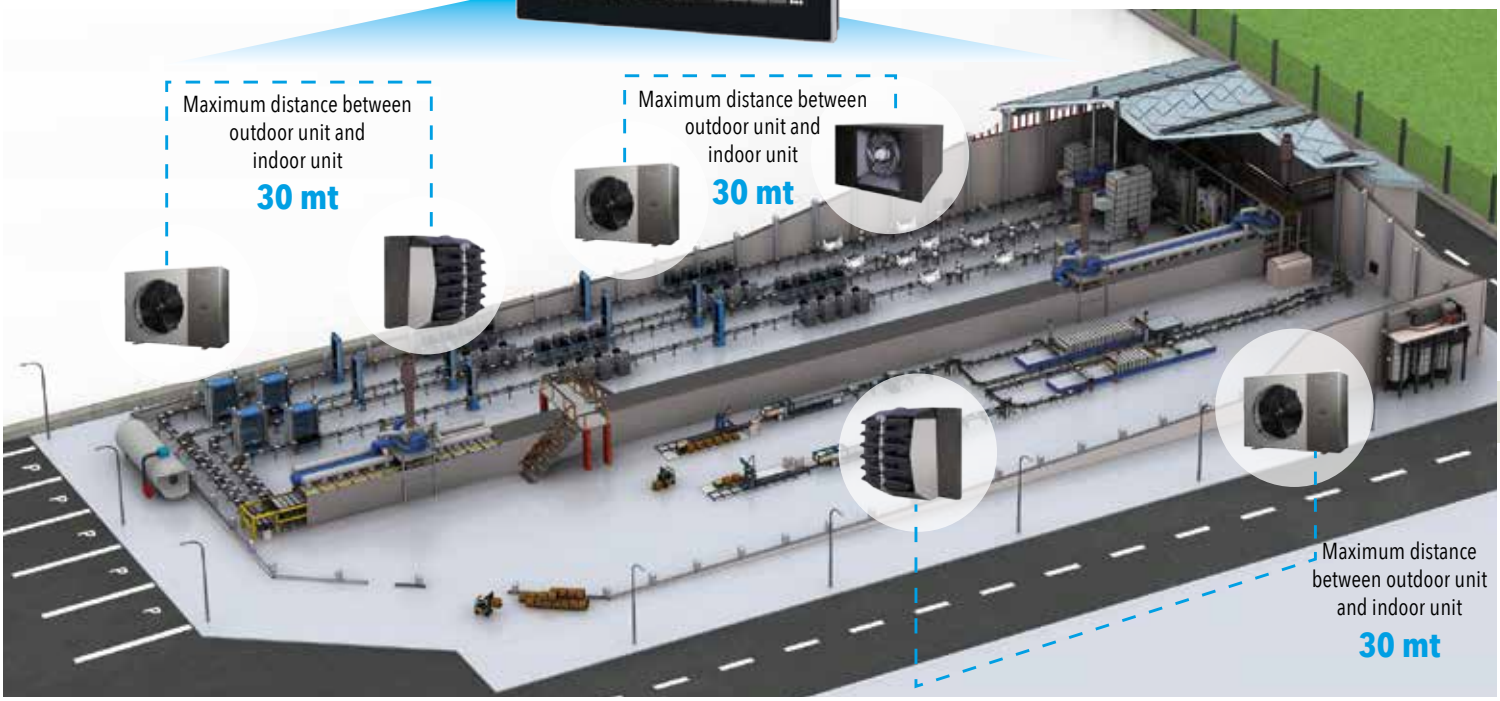




INSTALLATION EXAMPLE



15" Multi-Air panel for multi-machine control





Templari
HEAT PUMPS

R-32



KITA AIR

High efficiency air-to-air heat pump for industrial spaces

Technology
Made in Italy

AIR-TO-AIR

KITA AIR

Air-to-air heat pump for air conditioning of industrial spaces



Kita Air is the ideal solution for winter and summer climate control in large industrial spaces such as warehouses, production areas, workshops, and sheds, among others. The air-to-air outdoor unit is equipped with a Scroll Inverter compressor with vapour injection, enabling operation at outdoor temperatures below -20°C. Direct refrigerant exchange between the two units optimises performance both in heat pump and chiller mode. The indoor unit also features a special fan designed to minimise acoustic impact within the space in which it is installed.

Fan with inverter motor (class A) at low speed, accurate acoustic insulation and main components mounted on refined anti-vibration suspensions.

The design of KITA heat pumps is Made in Italy.

First-class electronics ensure total control over the operation of the machine, even remotely.

OPTION INDOOR UNIT



SPLIT



DUCTED

Advantages

- A+++ Energy class
- Heating
- Cooling
- Made in Italy — Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- Front ventilation
- It does not require a hydraulic circuit
- CE



K-TOUCH remote control panel

Applications

- Industrial areas
- Warehouses
- Commercial spaces

TECHNICAL DATA

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 4.3.1.4	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 4.3.1.5	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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA AIR

Air-to-air heat pump for air conditioning of industrial spaces



OUTDOOR UNIT

Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	14,2kW (KITA AIR) 16 kW (KITA AIR COLD)
Thermal breaker:	4 X 25 A (KITA AIR) 4 X 32 A (KITA AIR COLD)
Operating temperature:	Winter heating -25°C / 28°C Summer conditioning 5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Type: BLDC Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A Maximum speed: 640 rps Maximum air flow: m^3/h 17203
Outdoor unit noise:	External sound pressure (distance 5 mt): 38 dB(A)*
Outdoor unit dimensions (HxWxD):	1257 x 1791 x 641 mm
Refrigerant:	R32 - Q.ty 7,4 Kg
Coolant connections Ø:	Outer diameter GAS: 22 mm (7/8") Liquid: 16 mm (5/8")
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Fin spacing: 2.5 mm Hydrophilic coating
SCOP average climate:	5,15 (KITA AIR) 5,04 (KITA AIR COLD)
Prated average climate:	36,17 (KITA AIR) 39,57 (KITA AIR COLD)
ETAs average climate:	203% (KITA AIR) 198,6% (KITA AIR COLD)
Weight:	285 Kg



* The declared dB(A) values are obtained with the flow grid and silence kit installed.



INDOOR UNIT SPLIT

Type:	Inverter BLDC
Nominal diameter:	800 mm
Maximum power consumption:	0,835kW
Max current:	1,4 A
Maximum speed:	770 rpm
Maximum air flow:	5800 m^3/h
Maximum air flow:	14000 m^3/h
Throw distance:	25 m
Indoor unit noise (distance 3 meters):	Indoor sound pressure 42 dB(A)
Indoor unit dimensions (HxWxD):	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:	1,4 kW
Max current:	2 A
Minimum air flow with filter:	9.338m^3
Maximum airflow with filter:	11.178m^3
Maximum speed:	1000 rpm
Max air flow:	14000 m^3/h
Residual pressure (only machine):	380 Pa
Nominal air flow (only machine):	11000 Nm^3/h
Residual pressure (only machine):	230 Pa
Minimum air flow with filter:	9300 Nm^3/h
Residual pressure (only machine):	180 Pa
Indoor unit noise (distance 3 meters):	Indoor sound pressure 55 dB(A)
Indoor unit dimensions (HxWxD):	978 x 1598 x 1011 mm
External heat exchangers:	No. of ranks: 4 Fin spacing: 1,6 mm
Weight:	208 Kg

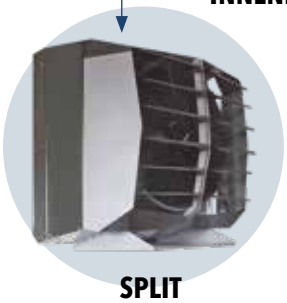


KITA AIR PREMIUM

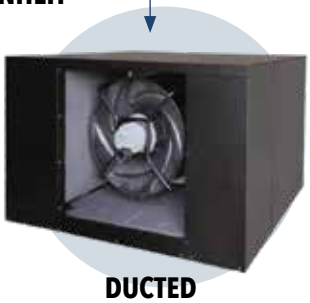
Air-to-air heat pump for air conditioning of industrial spaces



OPTION INNENEINHEIT



SPLIT



DUCTED

Kita Air Premium is the hybrid model of the air-to-air range, ideal for the winter and summer air conditioning of large industrial spaces such as warehouses, production areas, workshops and sheds.
It combines the efficiency of the Air series with the structural robustness of the Plus series: the casing, the same size as that of the Plus range, reduces the frequency of defrost cycles and improves the overall efficiency of the machine.

The Scroll Inverter compressor with vapour injection allows operation at outdoor temperatures below -20°C.
Direct exchange between the two units via refrigerant optimises performance both as a heat pump and as a chiller.
The compressor is also housed in a dedicated box that contains its noise, while the booster guarantees a faster response to load variations.

Fan with inverter motor (class A) at low speed, accurate acoustic insulation and main components mounted on refined anti-vibration suspensions.

First-class electronics ensure total control over the operation of the machine, even remotely.

Advantages

- A+++ Energy class
- Heating
- Cooling
- Made in Italy — Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- Front ventilation
- It does not require a hydraulic circuit
- CE

Applications

- Industrial areas
- Warehouses
- Commercial spaces



15"

K-TOUCH remote control panel

TECHNICAL DATA

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 PREMIUM 4.3.2.3	49,87	4,60	42,72	4,40	39,09	4,24	30,83	3,48	27,48	3,10	24,29	2,83	42,00	4,03

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA AIR PREMIUM

Air-to-air heat pump for air conditioning of industrial spaces



OUTDOOR UNIT

Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	14,2 kW
Thermal breaker:	4 X 25 A
Operating temperature:	Winter heating -25°C / 28°C Summer conditioning5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Type: BLDC Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A Maximum speed: 640 rps Maximum air flow: Nm³/h 18040
Outdoor unit noise:	Max sound power: 71 dB(A)*
Outdoor unit dimensions (HxWxD):	1414 x 2021 x 956 mm
Refrigerant:	R32 - 8 Kg (SPLIT) - 8,4 Kg (DUCTED)
Coolant connections Ø:	Outer diameter GAS: 22 mm (7/8'') Liquid: 16 mm (5/8'')
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Fin spacing: 2.5 mm Hydrophilic coating
SCOP average climate:	4,84
Prated average climate:	34,85
ETAs average climate:	190,6 %
Weight:	370 Kg



* The declared dB(A) values are obtained with the flow grid and silence kit installed.



INDOOR UNIT SPLIT

Type:	Inverter BLDC
Nominal diameter:	800 mm
Maximum power consumption:	0,835kW
Max current:	1,4 A
Maximum speed:	770 rpm
Maximum air flow:	5800 m³/h
Maximum air flow:	14000 m³/h
Throw distance:	25 m
Indoor unit noise (distance 3 meters):	Indoor sound pressure 42 dB(A)
Indoor unit dimensions (HxWxD):	1090 x 1253 x 765 mm
External heat exchangers:	No. of ranks: 4 Lug spacing 1,7 mm
Weight:	100 Kg





DUCTED INDOOR UNIT

Type:	Inverter BLDC
Nominal diameter:	630 mm
Maximum power consumption:	1,4 kW
Max current:	2 A
Minimum air flow with filter:	9.338m³
Maximum airflow with filter:	11.178m³
Maximum speed:	1000 rpm
Max air flow:	14000 m³/h
Residual pressure (only machine):	380 Pa
Nominal air flow (only machine):	11000 Nm³/h
Residual pressure (only machine):	230 Pa
Minimum air flow with filter:	9300 Nm³/h
Residual pressure (only machine):	180 Pa
Indoor unit noise (distance 3 meters):	Indoor sound pressure 55 dB(A)
Indoor unit dimensions (HxWxD):	978 x 1598 x 1011 mm
External heat exchangers:	No. of ranks: 4 Fin spacing: 1,6 mm
Weight:	208 Kg



KITA AIR PLUS

R-32

Air-to-air heat pump for air conditioning of industrial spaces



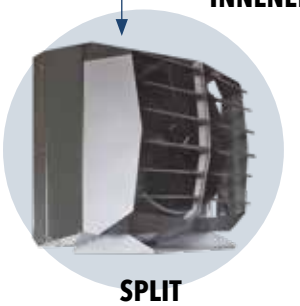
Kita Air Plus is the ideal solution for winter and summer air conditioning of large industrial spaces such as warehouses, production areas, workshops and sheds, etc. The air-to-air outdoor unit is equipped with a Inverter Scroll compressor with injection which allows operation at outdoor temperatures of over -20°C. The direct exchange between the two units via refrigerant optimizes performance both as a heat pump and as a chiller. The indoor unit is also made with a special fan to minimize the acoustic impact within the environment in which it is located.

Fan with inverter motor (class A) at low speed, accurate acoustic insulation and main components mounted on refined anti-vibration suspensions.

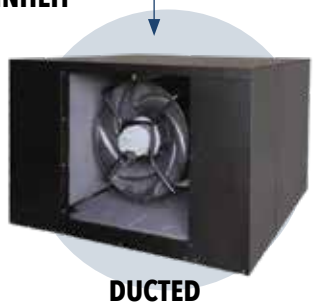
The design of KITA heat pumps is Made in Italy.

First-class electronics ensure total control over the operation of the machine, even remotely.

OPTION INNENEINHEIT



SPLIT



DUCTED



15"

K-TOUCH remote control panel

Advantages

- Energy class
- Heating
- Cooling
- Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- Front ventilation
- It does not require a hydraulic circuit

CE

Applications

- Industrial areas
- Warehouses
- Commercial spaces

TECHNICAL DATA

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 PLUS 4.3.2.2	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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA AIR PLUS

Air-to-air heat pump for air conditioning of industrial spaces



OUTDOOR UNIT

Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	18 kW
Thermal breaker:	4 X 32 A
Operating temperature:	Winter heating -25°C / 28°C Summer conditioning5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Type: BLDC Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A Maximum speed: 640 rps Maximum air flow: Nm^3/h 18040
Outdoor unit noise:	External sound pressure (distance 5 mt): 38 dB(A)*
Outdoor unit dimensions (HxWxD):	1414 x 2021 x 956 mm
Refrigerant:	R32 - 8 Kg (SPLIT) - 8,4 Kg (DUCTED)
Coolant connections Ø:	Outer diameter GAS: 28 mm (1 1/8'') Liquid: 16 mm (5/8")
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Fin spacing: 2.5 mm Hydrophilic coating
SCOP average climate:	5,17
Prated average climate:	47,48
ETAs average climate:	204 %
Weight:	370 Kg



* The declared dB(A) values are obtained with the flow grid and silence kit installed.



INDOOR UNIT SPLIT

Type:	Inverter BLDC
Nominal diameter:	800 mm
Maximum power consumption:	0,835kW
Max current:	1,4 A
Maximum speed:	770 rpm
Maximum air flow:	5800 m^3/h
Maximum air flow:	14000 m^3/h
Throw distance:	25 m
Indoor unit noise (distance 3 meters):	Indoor sound pressure 42 dB(A)
Indoor unit dimensions (HxWxD):	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:	1,4 kW
Max current:	2 A
Minimum air flow with filter:	9.338m^3
Maximum airflow with filter:	11.178m^3
Maximum speed:	1000 rpm
Max air flow:	14000 m^3/h
Residual pressure (only machine):	380 Pa
Nominal air flow (only machine):	11000 Nm^3/h
Residual pressure (only machine):	230 Pa
Minimum air flow with filter:	9300 Nm^3/h
Residual pressure (only machine):	180 Pa
Indoor unit noise (distance 3 meters):	Indoor sound pressure 55 dB(A)
Indoor unit dimensions (HxWxD):	978 x 1598 x 1011 mm
External heat exchangers:	No. of ranks: 4 Fin spacing: 1,6 mm
Weight:	208 Kg

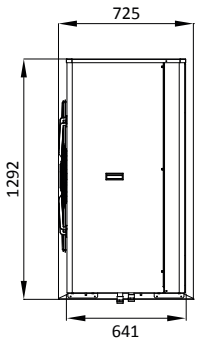


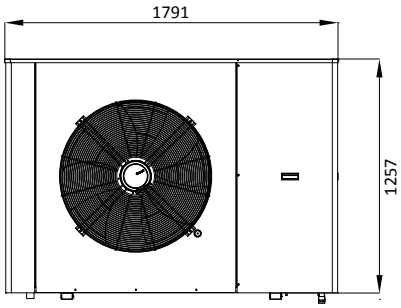
KITA AIR

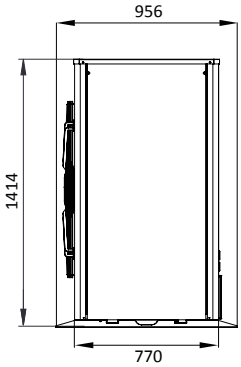
Air-to-air heat pump for air conditioning of industrial spaces

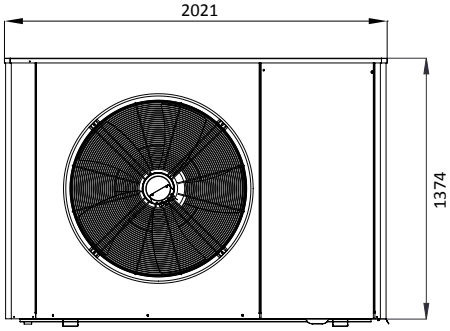
DIMENSION

Outdoor unit









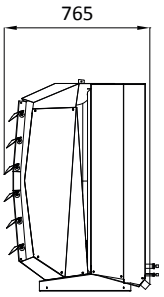


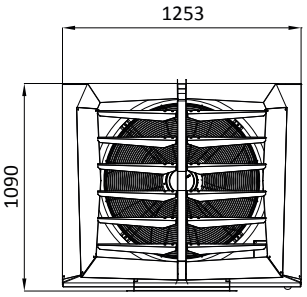
KITA AIR
KITA AIR COLD

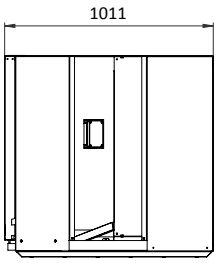


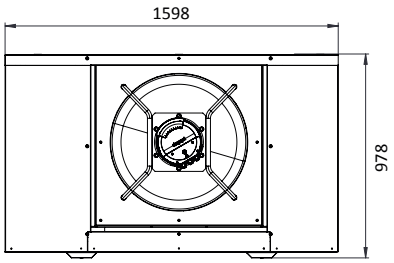
KITA AIR PREMIUM
KITA AIR PLUS

Indoor unit











SPLIT



DUCTED

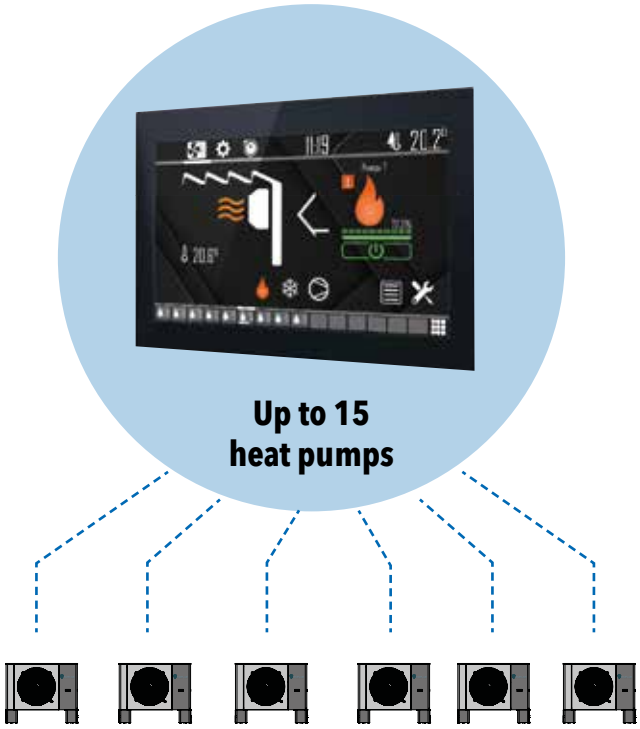
KITA AIR

Air-to-air heat pump for air conditioning of industrial spaces

REMOTE CONTROL

Comfort management in just a few Touches!

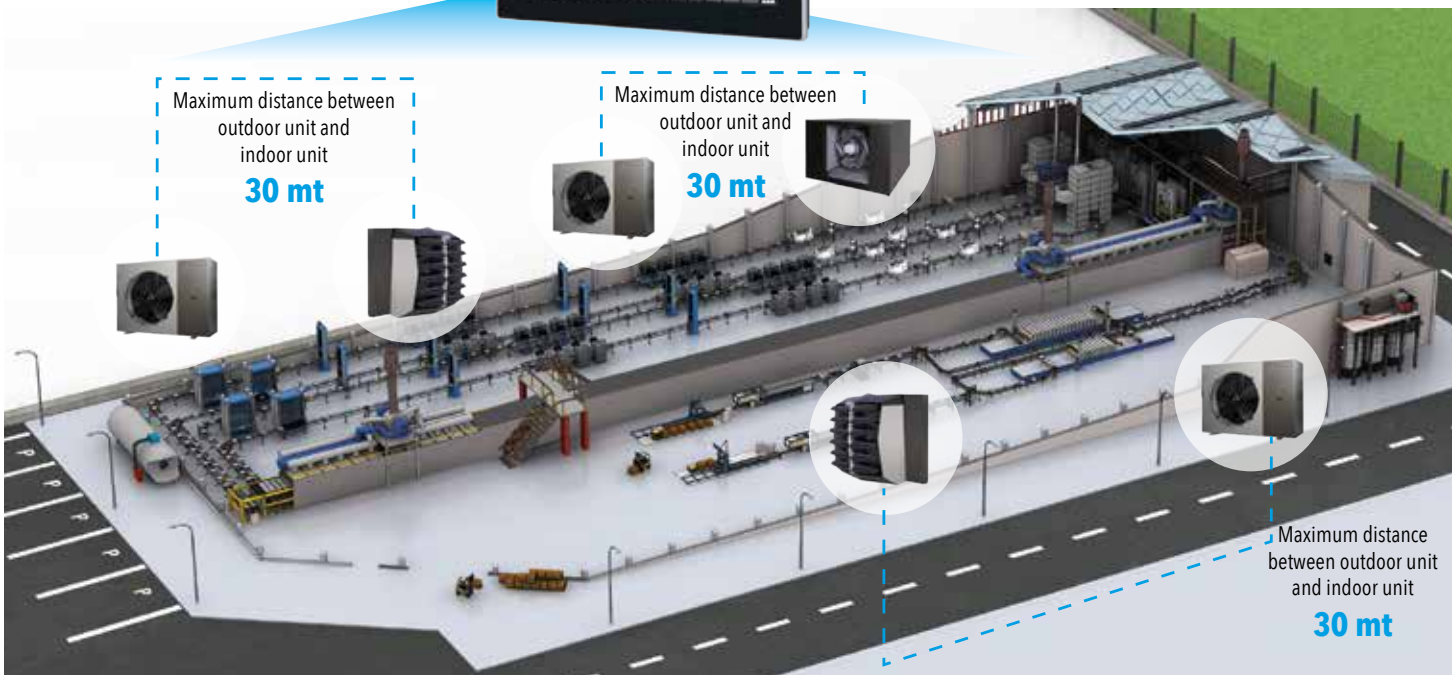
For precise and efficient control of our heat pumps, we have developed a management software capable of optimizing the performance of the heat pump while guaranteeing optimal comfort.
The software also allows remote supervision of the entire system.



INSTALLATION EXAMPLE



15" Multi-Air panel for multi-machine control



R 32 | KITA AIR

Select an outdoor unit - required

Code	Description	Note
4.3.1.4	Outdoor unit KITA AIR - 3 ph	Air-to-air, R32
4.3.1.4B	Outdoor unit KITA AIR - 3 ph + BOOSTER	Air-to-air, R32
4.3.1.5	Outdoor unit KITA AIR COLD - 3 ph	Air-to-air, R32
4.3.1.5B	Outdoor unit KITA AIR COLD - 3 ph + BOOSTER	Air-to-air, R32
4.3.1.1C	Outdoor unit KITA AIR for ducted indoor unit - 3 ph	Air-to-air, R32
4.3.1.2C	Outdoor unit KITA AIR COLD for ducted indoor unit - 3 ph	Air-to-air, R32

Select an indoor unit - required

Code	Description	Note
4.4.2.1	Indoor unit split	Included in the heat pump price
4.4.1.2	Indoor unit split + 9 kW electric heater	
4.4.1.3	Indoor unit split + 13,5 kW electric heater	
4.4.1.4	Ducted indoor unit	Included in the heat pump price

Select an accessory for outdoor unit - required

Code	Description	Note
4.5.1.3	Support brackets for outdoor unit	To be used with 4.5.1.24 oR 2.1.3.10
4.5.1.4	Metal legs for outdoor unit	

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.8	15,6'' MULTI-AIR touch panel	Complete with supports

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
K.RSC	Condensate drain pipe heater	
4.5.3.49	4G modem kit with Ethernet port	

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.910FG	Fan flow grid d.910	
4.5.6.2	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
4.5.1.26	Reinforced bracket kit 100x500 mm with anti-vibration mounts for indoor unit	
4.5.1.24	Pair of wall brackets 1200x700 mm for outdoor unit	Only if 4.5.1.3 is present
2.7.6.10	Anti-vibration M10 x 28 Ø 50x30 mm Male Male	4 Pieces
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	
2.1.3.6	Pair of wall brackets 1600x830 mm for KITA AIR PLUS outdoor unit	For external Plus unit and for ducted internal unit
4.5.1.9	Outdoor unit coil protection grid	Protection Grid
4.5.1.16	AIR filter for indoor unit, corrugated cell in aluminum mesh, 700x890x48 mm	For internal ducted unit code 4.4.1.4
K-RNF9	9 kW electric heater	
K-RNF13.5	13,5 kW electric heater	
4.5.1.25	Indoor unit air filter kit with 2 filters and supports	Bottom entry

R 32 | KITA AIR PREMIUM

Select an outdoor unit - required

Code	Description	Note
4.3.2.3	Outdoor unit KITA AIR PREMIUM - 3 ph	Air-to-air, R32
4.3.2.4	Outdoor unit KITA AIR PREMIUM for ducted indoor unit - 3 ph	Air-to-air, R32

Select an indoor unit - required

Code	Description	Note
4.4.2.1	Indoor unit split	Included in the heat pump price
4.4.1.2	Indoor unit split + 9 kW electric heater	
4.4.1.3	Indoor unit split + 13,5 kW electric heater	
4.4.1.4	Ducted indoor unit	Included in the heat pump price

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.8	MULTI-AIR, Touch Screen 15,6" Panel	Complete with supports

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Netzteil-Kit – Paar 200-m-Spulen (rot+schwarz) 1-mmq-Kabel	
K.RSC	Condensate drain pipe heater	
4.5.3.49	4G modem kit with Ethernet port	

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.910FG	Fan flow grid d.910	
4.5.1.26	Reinforced bracket kit 100x500 mm with anti-vibration mounts for indoor unit	
2.1.3.6	Pair of wall brackets 1600x830 mm for KITA AIR PLUS outdoor unit	For external Plus unit and for ducted internal unit
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	
4.5.1.11	Outdoor unit coil protection grid	Protection Grid
4.5.1.16	AIR filter for indoor unit, corrugated cell in aluminum mesh, 700x890x48 mm	For internal ducted unit code 4.4.1.4
K-RNF9	9 kW electric heater per unità interna	
K-RNF13.5	13,5 kW electric heater per unità interna	
4.5.1.25	Indoor unit air filter kit with 2 filters and supports	Bottom entry

R 32 | KITA AIR PLUS

Select an outdoor unit - required

Code	Description	Note
4.3.2.2	KITA AIR PLUS - 3 ph	Air-to-air, R32
4.3.2.1C	KITA AIR PLUS - for ducted indoor unit - 3 ph	Air-to-air, R32

Select an indoor unit - required

Code	Description	Note
4.4.2.1	Indoor unit split	Included in the heat pump price
4.4.1.2	Indoor unit split + 9 kW electric heater	
4.4.1.3	Indoor unit split + 13,5 kW electric heater	
4.4.1.4	Ducted indoor unit	Included in the heat pump price

Select a controller - required

Code	Description	Note
4.5.3.2	7" touch panel	
4.5.3.8	MULTI-AIR, Touch Screen 15,6" Panel	Complete with supports

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7" touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7" touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Netzteil-Kit – Paar 200-m-Spulen (rot+schwarz) 1-mmq-Kabel	
K.RSC	Condensate drain pipe heater	
4.5.3.49	4G modem kit with Ethernet port	

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.910FG	Fan flow grid d.910	
4.5.1.26	Reinforced bracket kit 100x500 mm with anti-vibration mounts for indoor unit	
2.1.3.6	Pair of wall brackets 1600x830 mm for KITA AIR PLUS outdoor unit	For external Plus unit and for ducted internal unit
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	
4.5.1.11	Outdoor unit coil protection grid	Protection Grid
4.5.1.16	AIR filter for indoor unit, corrugated cell in aluminum mesh, 700x890x48 mm	For internal ducted unit code 4.4.1.4
K-RNF9	9 kW electric heater per unità interna	
K-RNF13.5	13,5 kW electric heater per unità interna	
4.5.1.25	Indoor unit air filter kit with 2 filters and supports	Bottom entry









AIR-TO-WATER HEAT PUMPS

Templari
HEAT PUMPS

AIR-TO-WATER HEAT PUMPS



XS | HRP | KITA SP | KITA MP | KITA LP | KITA LP/PLUS | KITA LR | KITA LR/PLUS







ADVANTAGES

Complete comfort in a single solution. Heating, cooling, and domestic hot water with one high-efficiency system.

The KITA range is designed to maintain efficiency and continuous operation even at outdoor temperatures as low as -25°C.

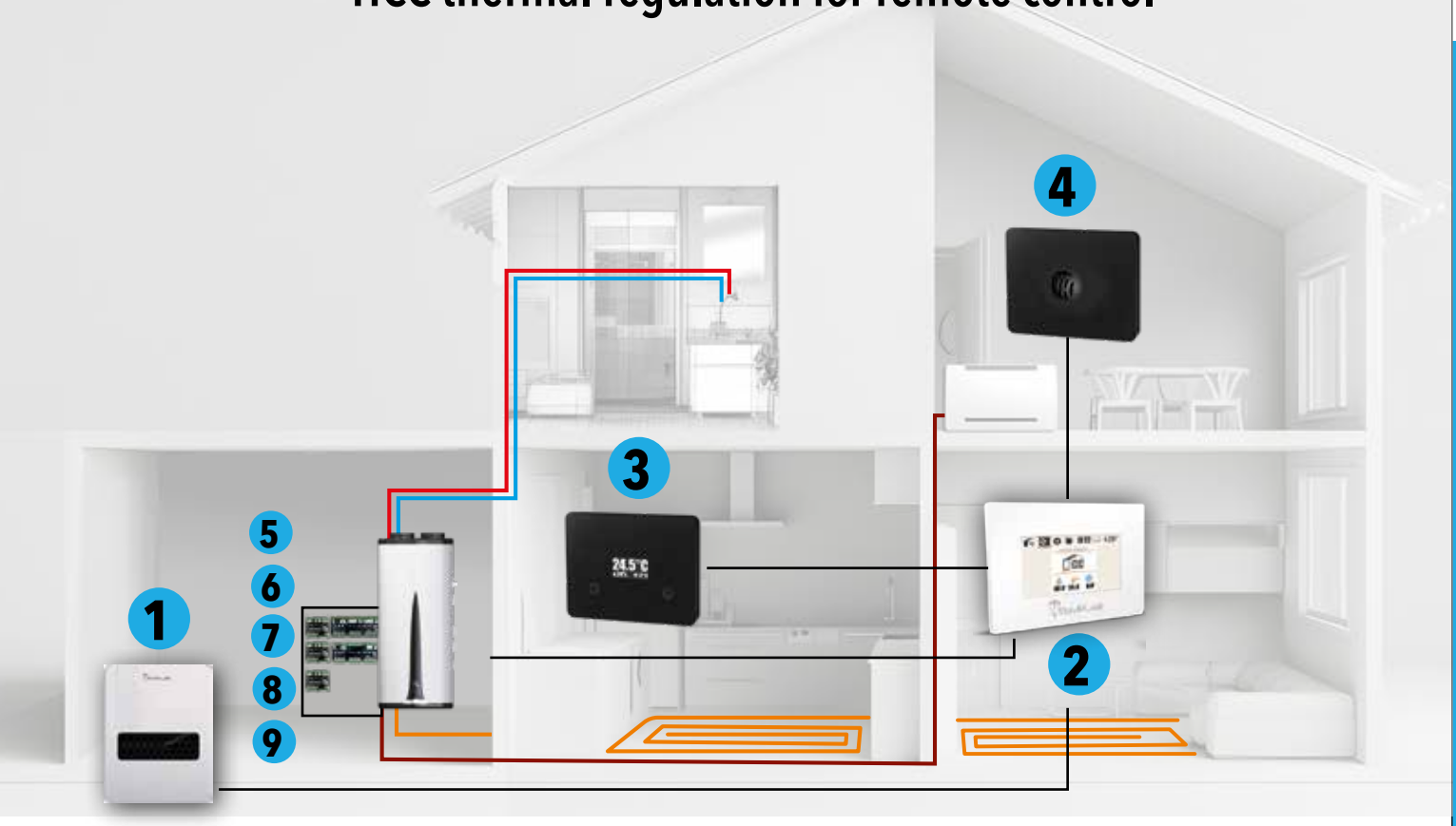
High-quality components and dedicated technical solutions reduce noise and vibration. This ensures comfort and reliability over time, even under intensive use.

Use of gases such as R290 and R32 to reduce environmental impact and achieve high energy performance. Greater efficiency, lower emissions, and full alignment with evolving European regulations.

The KITA range can also be powered by electricity generated from renewable sources, delivering additional energy savings, further reducing costs, and increasing return on investment.

Thanks to the integrated devices within the system, the correct operation of the unit can be constantly monitored, with the ability to remotely adjust environmental parameters according to specific needs.

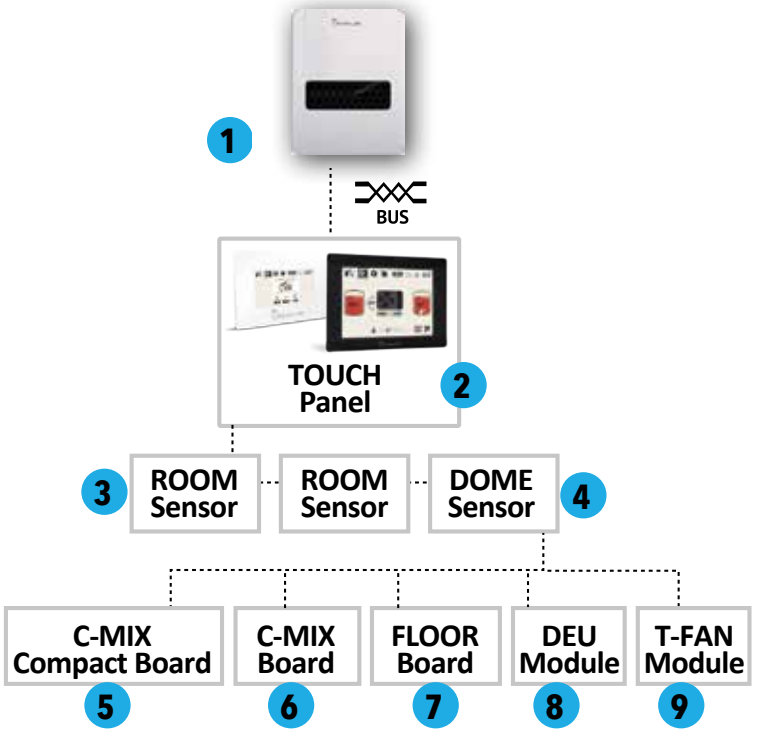
HCC thermal regulation for remote control



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 consist 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 boards:** manage a room dehumidifier, based on the humidity measured by ROOM or DOME sensors.







Templari
HEAT PUMPS

R-290



KITA XS

High efficiency reversible air-to-water heat pump

Technology
Made in Italy

AIR-TO-WATER

KITA XS

High efficiency reversible air-to-water heat pump

NATURAL REFRIGERANT ECO FRIENDLY R-290



Kita XS is available in two versions: 7.5 kW and 9 kW, both offered in single-phase and three-phase configurations. Compact and elegant, it delivers domestic comfort even at low outdoor temperatures. Thanks to the use of R290 refrigerant, Kita XS is an environmentally friendly choice.

Kita XS draws air in from the front and expels it either upwards or through the side panels, depending on the version selected. This means there is no need to leave clearance from the wall to ensure proper airflow.

Thanks to the fan drawing air in from the front and expelling it through the side panels, the airflow causes no disturbance at all: on the contrary, this heat pump is remarkably quiet.



K-TOUCH remote control panel assembled in the 9" 7" technical cabinet

Advantages

- A+++ Energy class
- Heating
- Cooling
- Domestic Hot Water
- Made in Italy — Italian technology
- 65°C High temperature
- Remote monitoring
- Photovoltaic integration
- 025
- ICIM CERTIFIED PRODUCT
- CE

Applications

- Apartments

MODEL KITA XS

MODEL	CIODE
XS 7.5 - 1 ph	4.1.12.1
XS 7.5 - 3 ph	4.1.12.2
XS 9 - 1 ph	4.1.12.3
XS 9 - 3 ph	4.1.12.4

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
XS 7.5	7,58	5,90	7,50	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	7,53	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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA XS

High efficiency reversible air-to-water heat pump

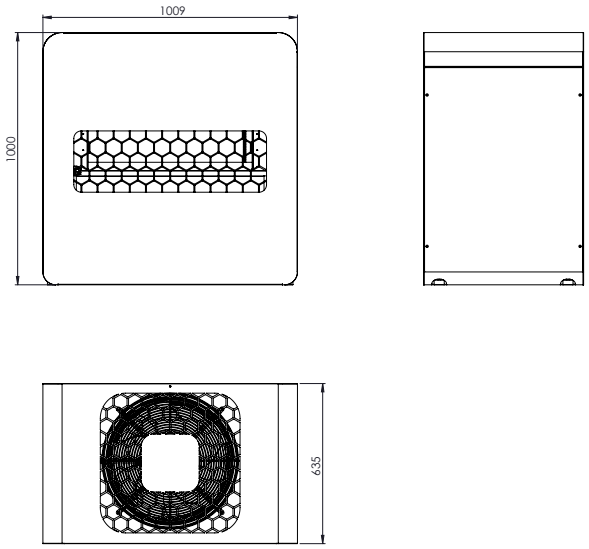
TECHNICAL DATA

Energy class:	A+++
Noise level:	Max sound pressure at 1 meter distance: 53 dB(A)*
Compressor:	Inverter Twin rotary
External fan:	Type: EC Nominal diameter: 450 mm Maximum speed: 600 rpm
Prated average climate: (low temperature application 35 °C)	5,56 (XS 7,5) – 7,30 (XS 9)
Prated average climate: (medium temperature application 55 °C)	6,04 (XS 7,5) – 6,94 (XS 9)
ETAs average climate: (low temperature application 35 °C)	217,3 % (XS 7,5) – 200 % (XS 9)
ETAs average climate: (medium temperature application 55 °C)	169,3 % (XS 7,5) – 158, 2% (XS 9)
SCOP average climate: (low temperature application 35 °C)	5,51 (X7,5) - 5,07 (X9)
SCOP average climate: (medium temperature application 55 °C)	4,31 (X7,5) - 4,03 (X9)

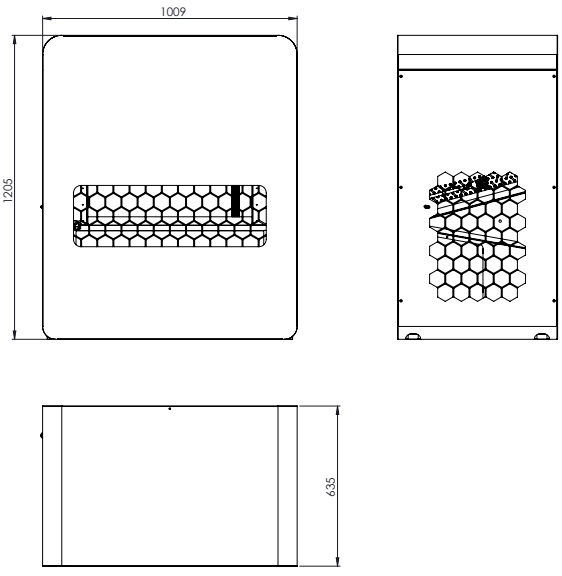
SEER Cooling mode - fan coil application	4,84 (Xs 7,5) - 4,59 (Xs 9)
SEER Cooling mode - cooling floor application	6,11 (Xs 7,5) - 6,11 (Xs 9)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: Double wall Material: stainless steel
Refrigerant:	R290
Diameter of water pipes:	Input; 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	1000 x 1000 x 435 mm (low version) 1205 x 1000 x 435 mm (high version)
Weight:	155 Kg (Xs 7.5) - 160 Kg (Xs 9)

DIMENSION

LOW VERSION
TOP AIR DISCHARGE



HIGH VERSION
SIDE AIR DISCHARGE



* The declared dB(A) values are obtained with the flow grid and silence kit installed.

R 290 | KITA XS

Code	Description	Note
4.1.12.1	XS 7.5 - 1 ph	
4.1.12.2	XS 7.5 - 3 ph	
4.1.12.3	XS 9 - 1 ph	
4.1.12.4	XS 9 - 3 ph	

Select a XS version - required

Code	Description	Note
4.5.1.17	High Version	Side air discharge
4.5.1.18	Low Version	Top air discharge

Select a controller - required

Code	Description	Note
4.5.3.2	7" touch panel	
4.5.3.16	9,7" Touch Panel	Alternative to 4.5.3.2

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7" touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7" touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7" touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an accessory - required

Code	Description	Note
4.5.4.18	Relaunch with circulator pump for XS	Mandatory if no technical cabinet is purchased

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Select an hydraulic accessory - optional (multiple selection)

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1
4.10.1.7	Circulator Kit - Templari Ekos GPA 25 -13H PRO/180	Alternative to the standard circulator
2.4.3.2	Flexible joint kit with 1"1/2" female fittings	2 Pieces
2.4.2.5	Antifreeze valve with brass body 1" 1/2	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.11	XS R290 dual power supply electrical panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select an accessory - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20



Templari
HEAT PUMPS

R-290



AIR-TO-WATER

KITA HRP

High efficiency reversible air-to-water heat pump

Technology
Made in Italy

KITA HRP

High efficiency reversible air-to-water heat pump



High efficiency air-water reversible monoblock HRP series heat pumps, with inverter scroll compressor, suitable for meeting the needs of buildings with low thermal demand.

Full-Inverter operation: adapts the machine to the precise heat load requirements of the home, with savings over 30%.

Ideal for domestic hot water production up to 65°C.

KITA heat pumps are designed in Italy and integrate perfectly into both modern and classic buildings.

First-class electronics ensure total control over the operation of the machine, even remotely.

Kita is environmentally friendly as it doesn't rely on fossil fuels, providing heating and air conditioning without the need for an auxiliary boiler.



K-TOUCH remote control panel

Advantages



Applications



025

MODEL KITA HRP

MODEL	CODE
HRP 10 - 1 ph	4.1.11.5
HRP 10 - 3 ph	4.1.11.1
HRP 12 - 1 ph	4.1.11.6
HRP 12 - 3 ph	4.1.11.2
HRP 14 - 1 ph	4.1.11.7
HRP 14 - 3 ph	4.1.11.3
HRP 16 - 1 ph	4.1.11.8
HRP 16 - 3 ph	4.1.11.4

TECHNICAL DATA

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 -20°C / W 35° C		A 2°C / W 65° C		A35°C / W 7° C		A35°C / W 18° C	
	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
HRP 10	10,32	5,16	9,06	4,43	7,50	3,25	6,93	3,01	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	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	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	7,67	2,10	11,11	1,94	11,09	2,65	13,00	4,21

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA HRP

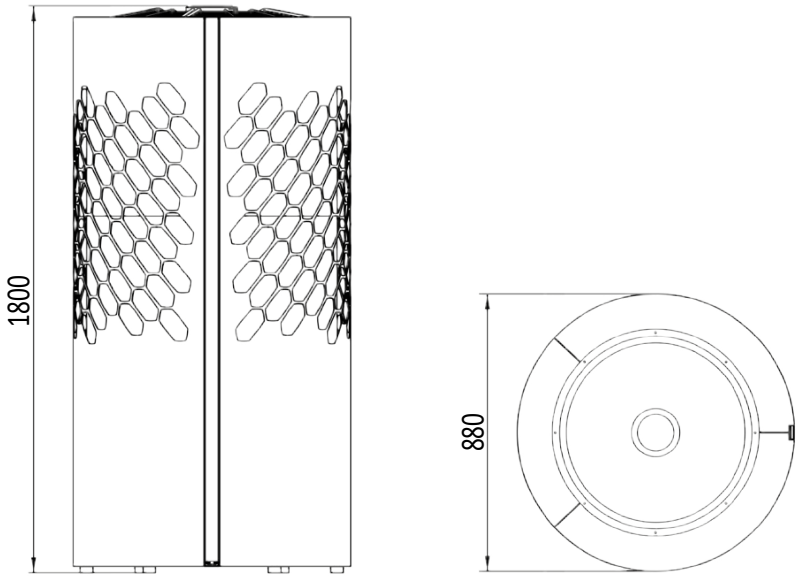
High efficiency reversible air-to-water heat pump

TECHNICAL DATA

Energy class:	A+++
Power supply:	HRP10: 230 V - 1 ph - 50Hz HRP10 3phase: 400 V - 3 ph - 50Hz HRP12: 230 V - 1 ph - 50Hz HRP12 3phase: 400 V - 3 ph - 50Hz HRP14: 230 V - 1 ph - 50Hz HRP14 3phase: 400 V - 3 ph - 50Hz HRP16: 230 V - 1 ph - 50Hz HRP16 3phase: 400 V - 3 ph - 50Hz
Noise level:	Max sound pressure at 1 meter distance: 38 dB(A)*
Prated average climate: (low temperature application 35 °C)	8,52 (HRP 10) - 9,97 (HRP 12) – 11,65 (HRP 14) – 12,47 (HRP 16)
Prated average climate: (medium temperature application 55 °C)	7,92 (HRP 10) - 9,32 (HRP 12) – 10,88 (HRP 14) – 11,31 (HRP 16)
ETAs average climate: (low temperature application 35 °C)	213,2 % (HRP 10) – 209,9 % (HRP 12) – 206,8 % (HRP 14) – 203,7 % (HRP 16)
ETAs average climate: (medium temperature application 55 °C)	149,8 % (HRP 10) – 149,3 % (HRP 12) – 148,2 % (HRP 14) – 146,7 % (HRP 16)
SCOP average climate: (low temperature application 35 °C)	5,40 (HRP10) - 5,32 (HRP12) - 5,25 (HRP14) - 5,17 (HRP16)
SCOP average climate: (medium temperature application 55 °C)	3,82 (HRP10) - 3,81 (HRP12) - 3,78 (HRP14) - 3,74 (HRP16)

Compressor:	Scroll Inverter
SEER Cooling mode fan coil application	5,27 (HRP-10) - 5,22 (HRP-12) - 5,19 (HRP-14) - 5,06 (HRP-16)
SEER Cooling mode - cooling floor application	7,52 (HRP-10) - 6,66 (HRP-12-14-16)
External fan:	Type: BLDC Nominal diameter: 630 mm Maximum speed: 600 rpm
Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R290 Q.ty 1,35Kg
Diameter of water pipes:	Input; 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Weight:	230 Kg
DIMENSION:	880 (Ø) x 1800 (H) mm

DIMENSION



* The declared dB(A) values are obtained with the flow grid and silence kit installed.

R 290 | KITA HRP

Code	Description	Note
4.1.11.5	HRP 10 - 1 ph	
4.1.11.1	HRP 10 - 3 ph	
4.1.11.6	HRP 12 - 1 ph	
4.1.11.2	HRP 12 - 3 ph	
4.1.11.7	HRP 14 - 1 ph	
4.1.11.3	HRP 14 - 3 ph	
4.1.11.8	HRP 16 - 1 ph	
4.1.11.4	HRP 16 - 3 ph	

Select a HRP version - required

Code	Description	Note
4.5.1.5	WHITE kit, covers for KITA HR outdoor unit	
4.5.1.6	BLACK kit, covers for KITA HR outdoor unit	

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Select an hydraulic accessory - optional (multiple selection)

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

4.5.4.2	Circulator kit - Wilo Para 9	Alternative to the standard circulator
2.4.3.1	Flexible stainless steel connection pipes kit with 1 1/4" F fittings	2 Pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K-RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

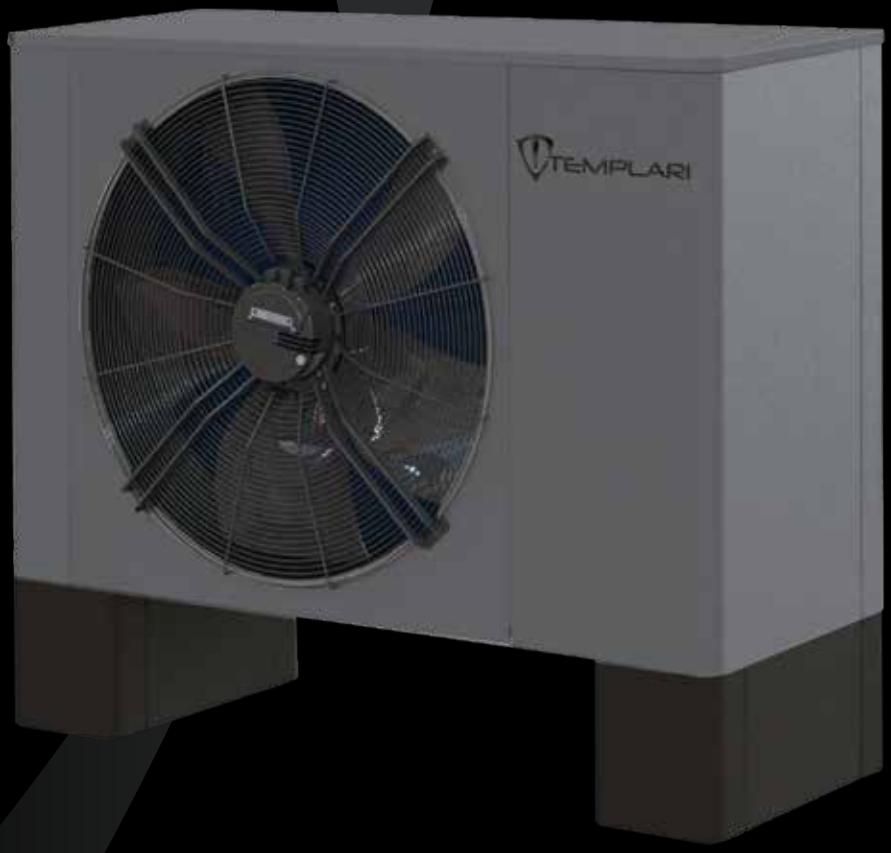
Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Note:Condensate drain pipe heater ist in allen KITA HR-MODELen bereits enthalten.



Templari
HEAT PUMPS

R-290



KITA SP

High efficiency reversible air-to-water heat pump

AIR-TO-WATER

Technology
Made in Italy

KITA SP

High efficiency reversible air-to-water heat pump



SP series monobloc heat pumps: reversible, air-to-water, high-efficiency units with a Twin Rotary or Scroll Inverter compressor, suitable for buildings with low thermal demand.

Operates at maximum efficiency even at outdoor temperatures below -20°C.

Full-Inverter operation adapts the unit precisely to the building's thermal load requirements, delivering energy savings of over 30%.

The design of KITA heat pumps is Made in Italy and blends seamlessly with both modern and classic architectural styles.

Premium electronics ensure full control over the unit's operation, even remotely.

Kita is environmentally friendly: it ensures independence from fossil fuels, providing both heating and cooling without the need for an auxiliary boiler.



K-TOUCH remote control panel

Advantages

- Energy class (A+++)
- Heating
- Cooling
- Domestic Hot Water
- Italian technology (Made in Italy)
- Photovoltaic integration
- Remote monitoring
- Easy to install
- High temperature (65°C)
- Front ventilation
- 025
- ICIM CERTIFIED PRODUCT
- CE

Applications

- Single homes
- Semi-detached houses

MODEL KITA SP

MODEL	CODE	KOMPRESSOR
SP 8 - 1 ph	4.1.7.17	SCROLL
SP 8 - 3 ph	4.1.7.16	SCROLL
SP 10 - 1 ph	4.1.7.18	SCROLL
P 10 - 3 ph	4.1.7.19	SCROLL
SP 12 - 1 ph	4.1.7.20	SCROLL
SP 12 - 3 ph	4.1.7.21	SCROLL
SP 8T - 1 ph	4.1.7.7	TWIN ROTARY
SP 8T - 3 ph	4.1.7.1	TWIN ROTARY
SP 10T - 1 ph	4.1.7.8	TWIN ROTARY
SP 10T - 3 ph	4.1.7.2	TWIN ROTARY
SP 12T - 1 ph	4.1.7.9	TWIN ROTARY
SP 12T - 3 ph	4.1.7.3	TWIN ROTARY

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
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	6,29	3,32	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	8,08	3,17	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	10,47	2,80	10,00	3,36	10,00	5,43

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA SP

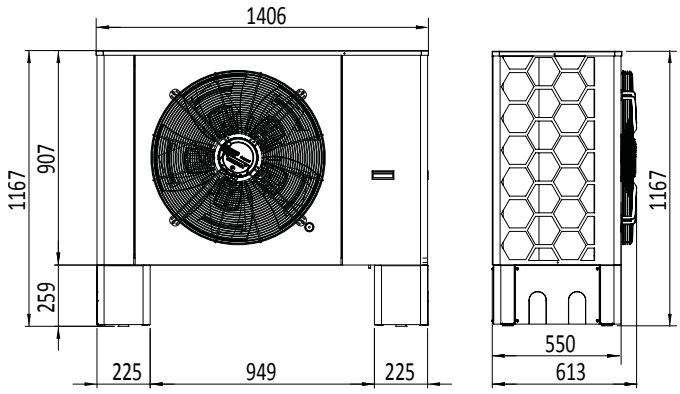
High efficiency reversible air-to-water heat pump

TECHNICAL DATA

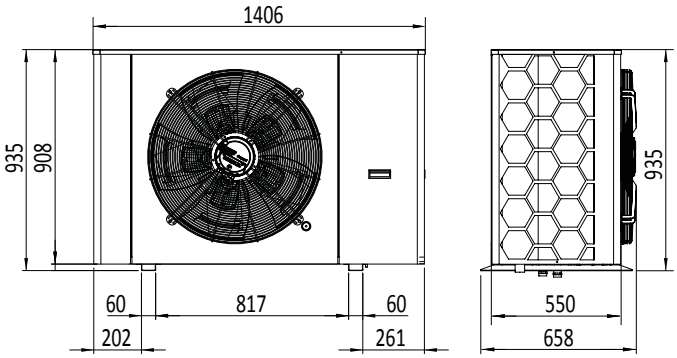
Energy class:	A+++
Noise level:	Max sound pressure at 1 meter distance: 50 dB(A)*
Compressor:	Inverter Twin rotary o Scroll Inverter
External fan:	Type: EC Nominal diameter: 710 mm Maximum speed: 600 rpm
Prated average climate: **(low temperature application 35 °C)**	6,53 (SP 8) – 8,34 (SP 10) – 12,41 (SP 12)
Prated average climate: **(medium temperature application 55 °C)**	6,02 (SP 8) – 7,75 (SP10) – 11,59 (SP 12)
ETAs average climate: **(low temperature application 35 °C)**	221,5 % (SP 8) – 226,8 % (SP10) – 214,6 % (SP 12)
ETAs average climate: **(medium temperature application 55 °C)**	160,7 % (SP 8) – 165,1 % (SP10) – 158,9 % (SP 12)
SCOP average climate: **(low temperature application 35 °C)**	5,61 (SP-8) - 5,75 (SP-10) 5,44 (SP-12)
SCOP average climate: **(medium temperature application 55 °C)**	4,09 (SP-8) - 4,20 (SP-10) 4,05 (SP-12)

SEER Cooling mode - fan coil application	5,35 (SP-8) - 5,65 (SP-10) 5,52 (SP-12)
SEER Cooling mode - cooling floor application	7,65 (SP-8) - 7,86 (SP-10) 7,86 (SP-12)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R290
Diameter of water pipes:	Input; 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	908 x 1406 x 550 mm
Weight:	180 Kg

DIMENSION WITH LEGS



DIMENSION WITH BRACKETS



* The declared dB(A) values are obtained with the flow grid and silence kit installed.

R 290 | KITA SP

Code	Description	Note
4.1.7.16	SP 8 - 3 ph	Scroll
4.1.7.17	SP 8 - 1 ph	Scroll
4.1.7.19	SP 10 - 3 ph	Scroll
4.1.7.18	SP 10 - 1 ph	Scroll
4.1.7.21	SP 12 - 3 ph	Scroll
4.1.7.20	SP 12 - 1 ph	Scroll
4.1.7.1	SP 8T - 3 ph	Twin rotary
4.1.7.7	SP 8T - 1 ph	Twin rotary
4.1.7.2	SP 10T - 3 ph	Twin rotary
4.1.7.8	SP 10T - 1 ph	Twin rotary
4.1.7.3	SP 12T - 3 ph	Twin rotary
4.1.7.9	SP 12T - 1 ph	Twin rotary

Select an accessory for outdoor unit - required

Code	Description	Note
4.5.1.10	Support brackets for outdoor unit	To be used with 4.5.1.24 oR 2.1.3.10
4.5.1.2	Metal legs for outdoor unit	Alternative to 4.5.1.10

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit
4.10.1.1	Circulator Kit Wilo Para 8	

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Optional Idraulici:

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

4.10.1.3	Circulator Kit Wilo Para 9	Alternative to the standard circulator
2.4.3.1	Flexible stainless steel connection pipes kit with 1 1/4" F fittings	2 Pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K.RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	Obligatory with at least one of: 4.5.3.5 - 4.5.3.6 - 4.5.3.19 - 4.5.3.20
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Select an accessory - optional (multiple selection)

Code	Description	Note
4.5.1.7	Outdoor unit coil protection grid	Protection Grid
4.5.1.12	Fan cover	Front Grid
4.5.1.24	Pair of wall brackets for outdoor unit L 1275	
2.7.6.10	Anti-vibration M10 x 28 Ø 50x30 mm Male Male	4 Pieces
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	Obligatory with brackets 4.5.1.10



Templari
HEAT PUMPS

R-290



KITA MP

High efficiency reversible air-to-water heat pump

Technology
Made in Italy

AIR-TO-WATER

KITA MP

High efficiency reversible air-to-water heat pump



MP series monobloc heat pumps: reversible, air-to-water, high-efficiency units with a Scroll Inverter compressor.

Operates at maximum efficiency even at outdoor temperatures below -20°C.

Full-Inverter operation adapts the unit precisely to the building's thermal load requirements, delivering energy savings of over 30%.

The design of KITA heat pumps is Made in Italy and blends seamlessly with both modern and classic architectural styles.

Premium electronics ensure full control over the unit's operation, even remotely.

Kita is environmentally friendly: it ensures independence from fossil fuels, providing both heating and cooling without the need for an auxiliary boiler.

Advantages

- Energy class
- Heating
- Cooling
- Domestic Hot Water
- Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- High temperature
- Front ventilation

025



K-TOUCH remote control panel

Applications

- Single homes
- Semi-detached houses

MODELI KITA MP

MODEL	CODE
MP 14 - 1 ph	4.1.8.5
MP 14 - 3 ph	4.1.8.1
MP 16 - 1 ph	4.1.8.6
MP 16 - 3 ph	4.1.8.2
MP 18 - 3 ph	4.1.8.3
MP 20 - 3 ph	4.1.8.4

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA MP

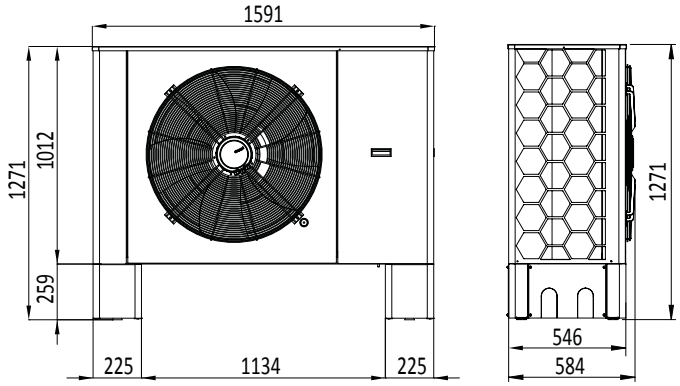
High efficiency reversible air-to-water heat pump

TECHNICAL DATA

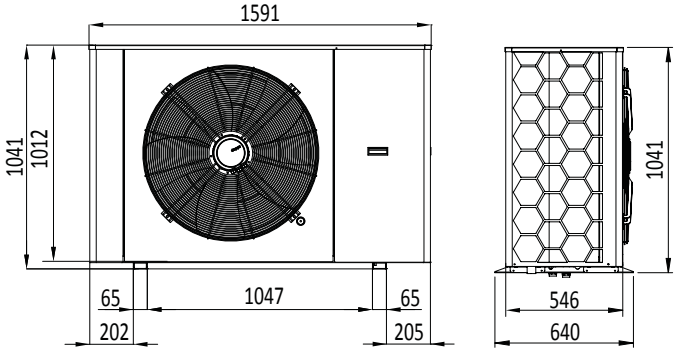
Energy class:	A+++
Noise level:	Max sound pressure at 1 meter distance: MP 14 - MP 16 50dB(A) MP 18 - MP 20 51dB(A)*
Compressor:	Scroll Inverter
External fan:	Type: BLDC Nominal diameter: 800 mm Maximum speed: 600 rpm
Prated average climate: (low temperature application 35 °C)	11,80 (MP 14) – 12,67 (MP 16) – 15 (MP 18) – 18,56 (MP 20)
Prated average climate: (medium temperature application 55 °C)	10,95 (MP 14) – 10,72 (MP 16) – 14,32 (MP18) – 17,65 (MP 20)
ETAs average climate: (low temperature application 35 °C)	204,7 % (MP 14) – 202,1 % (MP 16) – 212,3 % (MP18) – 206,9 % (MP 20)
ETAs average climate: (medium temperature application 55 °C)	147,5 % (MP 14) – 147,4 % (MP 16) – 164,1 % (MP 18) – 161,6 % (MP 20)
SCOP average climate: (low temperature application 35 °C)	5,19 (MP-14) - 5,13 (MP-16) 5,38 (MP-18) - 5,25 (MP-20)
SCOP average climate: (medium temperature application 55 °C)	3,76 (MP-14) - 3,76 (MP-16) - 4,18 (MP18) - 4,12 (MP-20)

SEER Cooling mode fan coil application	5,86 (MP-14) - 5,86 (MP-16) 5,70 (MP-18) - 5,70 (MP-20)
SEER Cooling mode - cooling floor application	8,61 (MP-14) - 8,61 (MP-16) - 6,97 (MP18) - 6,97 (MP-20)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R290
Diameter of water pipes:	Input; 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	1012 x 1591 x 546 mm
Weight:	220 Kg

DIMENSION WITH LEGS



DIMENSION WITH BRACKETS



* The declared dB(A) values are obtained with the flow grid and silence kit installed.

R 290 | KITA MP

Code	Description	Note
4.1.8.1	MP 14 - 3 ph	
4.1.8.5	MP 14 - 1 ph	
4.1.8.2	MP 16 - 3 ph	
4.1.8.6	MP 16 - 1 ph	
4.1.8.3	MP 18 - 3 ph	
4.1.8.4	MP 20 - 3 ph	

Select an accessory for outdoor unit - required

Code	Description	Note
4.5.1.1	Support brackets for outdoor unit	To be used with 4.5.1.24 oR 2.1.3.10
4.5.1.2	Metal legs for outdoor unit	Alternative to 4.5.1.10

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Select an hydraulic accessory - optional (multiple selection)

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

4.10.1.3	Circulator Kit Wilo Para 9	Alternative to the standard circulator
2.4.3.1	Flexible stainless steel connection pipes kit with 1 1/4" F fittings	2 Pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K.RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	Obligatory with at least one of: 4.5.3.5 - 4.5.3.6 - 4.5.3.19 - 4.5.3.20
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Select an accessory - optional (multiple selection)

Code	Description	Note
4.5.1.8	Outdoor unit coil protection grid	Protection Grid
4.5.1.13	Fan cover	Front Grid
VE.800FG	Fan flow grid d. 800	
4.5.6.1	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
4.5.1.24	Pair of wall brackets for outdoor unit L 1275	
2.7.6.10	Anti-vibration M10 x 28 Ø 50x30 mm Male Male	4 Pieces
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	Obligatorisch mit Klammern 4.5.1.1
4.5.5.3	AXITOP diffuser d. 800	



Templari
HEAT PUMPS

R-290



AIR-TO-WATER

KITA LP

High efficiency reversible air-to-water heat pump

Technology
Made in Italy

KITA LP

High efficiency reversible air-to-water heat pump

NATURAL REFRIGERANT ECO FRIENDLY R-290



LP series monobloc heat pumps: reversible, air-to-water, high-efficiency units with a Scroll Inverter compressor.

Operates at maximum efficiency even at outdoor temperatures below -20°C.

Full-Inverter operation adapts the unit precisely to the building's thermal load requirements, delivering energy savings of over 30%.

The design of KITA heat pumps is Made in Italy and blends seamlessly with both modern and classic architectural styles.

Premium electronics ensure full control over the unit's operation, even remotely.

Kita is environmentally friendly: it ensures independence from fossil fuels, providing both heating and cooling without the need for an auxiliary boiler.

Advantages

- A+++ Energy class
- Heating
- Cooling
- Domestic Hot Water
- Made in Italy — Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- 65°C High temperature
- Front ventilation
- CE
- 025
- ICIM CERTIFIED PRODUCT



K-TOUCH remote control panel

Applications

- Semi-detached houses
- Block of flats

MODEL KITA LP

MODEL	CODE
LP 22 - 3 ph	4.1.9.10
LP 26 - 3 ph	4.1.9.11
LP 28 - 3 ph	4.1.9.12
LP 32 - 3 ph	4.1.9.13
LP 35 - 3 ph	4.1.9.14

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

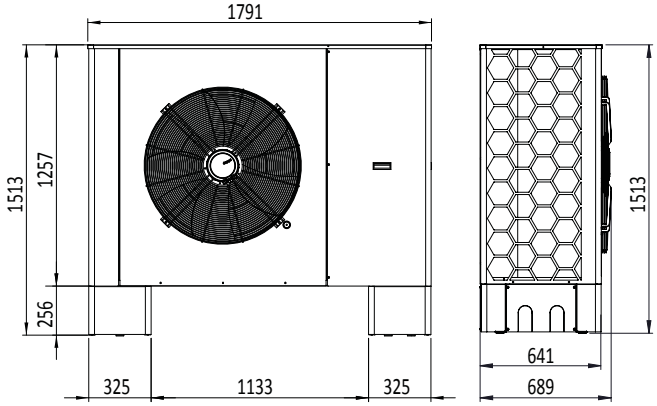
KITA LP

High efficiency reversible air-to-water heat pump

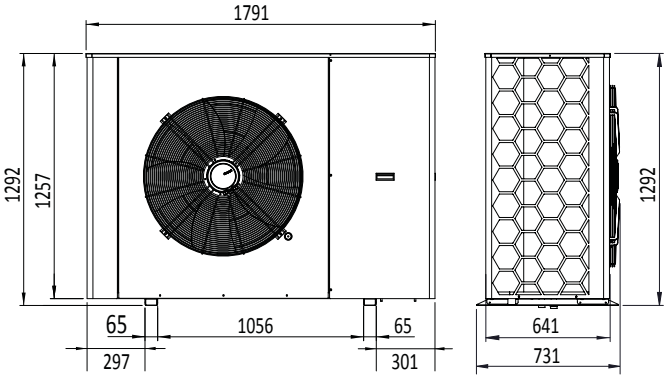
TECHNICAL DATA

Energy class:	A+++
Noise level:	Max sound power: 50 dB(A)*
Compressor:	Scroll Inverter
External fan:	Type: BLDC
Prated average climate: **(low temperature application 35 °C)**	18,32 (LP22) – 22,02 (LP26) – 23,67 (LP28) – 27,26 (LP32) - 29,75 (LP 35)
Prated average climate: **(medium temperature application 55 °C)**	17,10 (LP22) – 21,17 (LP26) – 22,80 (LP28) – 26,28 (LP32) – 28,70 (LP 35)
ETAs average climate: **(low temperature application 35 °C)**	203,8 % (LP22) – 217 % (LP 26) – 215,6 %(LP 28) – 205,8 % (LP 32) – 204,9 % (LP 35)
ETAs average climate: **(medium temperature application 55 °C)**	154,4 % (LP 22) – 162,9 % (LP 26) – 162,3 % (LP 28) – 157% (LP 32) – 158,1 % (LP 35)
SCOP average climate: (low temperature application 35 °C)	5,18 (LP-22) - 5,51 (LP-26) 5,46 (LP-28) - 5,22 (LP-32) 5,20 (LP-35)
SCOP average climate: (medium temperature application 55 °C)	3,94 (LP-22) - 4,15 (LP-26) 4,14 (LP-28) - 4,00 (LP-32) 4,03 (LP-35)
SEER Cooling mode - fan coil application	5,36 (LP-22) - 6,55 (LP-26) 3,27 (LP-28) - 5,93 (LP-32) 5,93 (LP-35)
SEER Cooling mode - cooling floor application	6,44 (LP-22) - 7,96 (LP-26) 7,96 (LP-28) - 7,96 (LP-32) 7,96 (LP-35)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: plates Material: stainless steel
Refrigerant:	R290
Diameter of water pipes:	Input; 1" - Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	1257 x 1791 x 641 mm
Weight:	280 Kg

DIMENSION WITH LEGS



DIMENSION WITH BRACKETS



* The declared dB(A) values are obtained with the flow grid, silence kit and axitop installed.

Code	Description	Note
4.1.9.10	LP 22 - 3 ph	
4.1.9.11	LP 26 - 3 ph	
4.1.9.12	LP 28 - 3 ph	
4.1.9.13	LP 32 - 3 ph	
4.1.9.14	LP 35 - 3 ph	

Select an accessory for outdoor unit - required

Code	Description	Note
4.5.1.3	Support brackets for outdoor unit	To be used with 4.5.1.24 oR 2.1.3.10
4.5.1.4	Metal legs for outdoor unit	

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2
4.5.3.7	Multikita, 7'' Touch Panel	Up to 6 heat pumps

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Select an hydraulic accessory - optional (multiple selection)

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

4.10.1.7	Kit circolatore Templari EKOS GPA 25-13H PRO/180	Alternative to the standard circulator
2.4.3.2	Flexible joint kit with 1"1/2" female fittings	2 Pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K.RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	Obligatory with at least one of: 4.5.3.5 - 4.5.3.6 - 4.5.3.19 - 4.5.3.20
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.800FG	Fan flow grid d. 800	
VE.910FG	Fan flow grid d.910	
4.5.5.1	Fan surcharge d. 910	
4.5.6.2	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
4.5.1.24	Pair of wall brackets for outdoor unit L 1275	
2.7.6.10	Anti-vibration M10 x 28 Ø 50x30 mm Male Male	4 Pieces
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	Obligatory with brackets 4.5.1.3
4.5.1.9	Outdoor unit coil protection grid	Protection Grid
4.5.5.2	AXITOP diffusor d. 910	
4.5.5.3	AXITOP diffuser d. 800	



Templari
HEAT PUMPS

R-290



AIR-TO-WATER

KITA LP PLUS

High efficiency reversible air-to-water heat pump

Technology
Made in Italy

KITA LP PLUS

High efficiency reversible air-to-water heat pump

NATURAL REFRIGERANT ECO FRIENDLY R-290



LP PLUS series monobloc heat pumps: reversible, air-to-water, high-efficiency units with a Scroll Inverter compressor.

Operates at maximum efficiency even at outdoor temperatures below -20°C.

Full-Inverter operation adapts the unit precisely to the building's thermal load requirements, delivering energy savings of over 30%.

The design of KITA heat pumps is Made in Italy and blends seamlessly with both modern and classic architectural styles.

Premium electronics ensure full control over the unit's operation, even remotely.

Kita is environmentally friendly: it ensures independence from fossil fuels, providing both heating and cooling without the need for an auxiliary boiler.

Advantages

- A+++ Energy class
- Heating
- Cooling
- Domestic Hot Water
- Made in Italy — Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- 65°C High temperature
- Front ventilation
- CE
- 025
- ICIM CERTIFIED PRODUCT



K-TOUCH remote control panel

MODEL KITA LP PLUS

MODEL	CODE
LP PLUS 35 - 3 ph	4.1.10.6
LP PLUS 40 - 3 ph	4.1.10.5

Applications

- Semi-detached houses
- Block of flats

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA LP PLUS

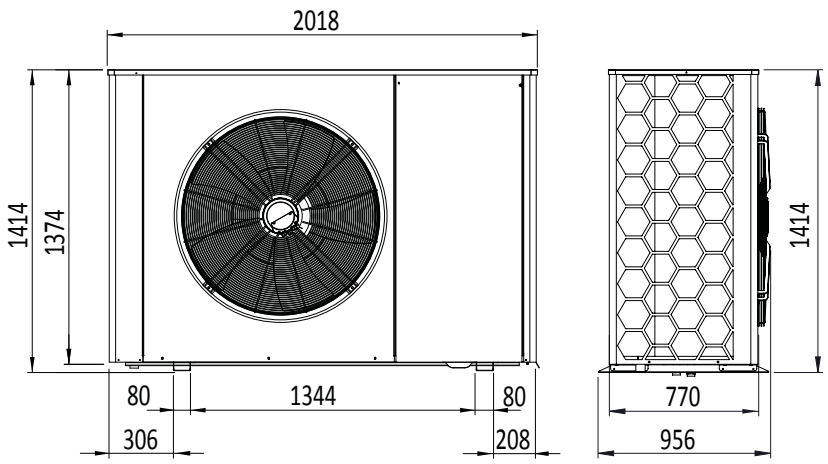
High efficiency reversible air-to-water heat pump

TECHNICAL DATA

Energy class:	A+++
Power supply:	400 V - 3 ph - 50Hz
Max electrical absorption A-20/W55:	20,12 kW
Noise level:	Max sound power: 50,1 dB(A)*
Compressor:	Scroll Inverter
External fan:	Type: BLDC Nominal diameter: 910 mm Maximum speed: 610 rpm
Prated average climate: (low temperature application 35 °C)	29,00 (LP PLUS 35) – 33,25 (LP PLUS 40)
Prated average climate: (medium temperature application 55 °C)	27,73 (LP PLUS 35) – 31,69 (LP PLUS 40)
ETAs average climate: (low temperature application 35 °C)	225,3 % (LP PLUS 35) – 219,1 % (LP PLUS 40)
ETAs average climate: (medium temperature application 55 °C)	163,8 % (LP PLUS 35) – 162,4% (LP PLUS 40)
SCOP average climate: (low temperature application 35 °C)	5,71 (LP Plus 35) 5,55 (LP Plus 40)
SCOP average climate: (medium temperature application 55 °C)	4,17 (LP Plus 35) 4,14 (LP Plus 40)

SEER Cooling mode fan coil application	5,59 (LP Plus 35) 5,54 (LP Plus 40)
SEER Cooling mode - cooling floor application	7,90 (LP Plus 35) 7,90 (LP Plus 40)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R290
Diameter of water pipes:	Input; 1" 1/2 Output: 1" 1/2
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	1414 x 2018 x 956 mm
Weight:	320 Kg

DIMENSION WITH BRACKETS



* The declared dB(A) values are obtained with the flow grid, silence kit and axitop installed.

R 290 | KITA LP PLUS

Code	Description	Note
4.1.10.6	LP PLUS 35 - 3 ph	
4.1.10.5	LP PLUS 40 - 3 ph	

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2
4.5.3.7	Multikita, 7'' Touch Panel	Up to 6 heat pumps

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Optional Idraulici:

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	
4.10.1.8	Circulator Kit Templari EKOS GPA 32-17H PRO/180	

R 290 | KITA LP PLUS

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K.RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	Obligatory with at least one of: 4.5.3.5 - 4.5.3.6 - 4.5.3.19 - 4.5.3.20
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.910FG	Fan flow grid d.910	
4.5.1.11	Protection Grid per batteria	Protection Grid
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	
4.5.5.2	AXITOP diffusor d. 910	
4.5.1.30	Kit Front Grid L Plus	



Templari
HEAT PUMPS

R-32



KITA LR

High efficiency reversible air-to-water heat pump

Technology
Made in Italy

AIR-TO-WATER

KITA LR

High efficiency reversible air-to-water heat pump



LR series monobloc heat pumps: reversible, air-to-water, high-efficiency units with a Scroll Smart Injection inverter compressor.

Smart Injection' system with a vapour-injection Scroll Inverter compressor, ensuring maximum efficiency even at outdoor temperatures below -20°C.

Full-Inverter operation adapts the unit precisely to the building's thermal load requirements, delivering energy savings of over 30%.

The design of KITA heat pumps is Made in Italy and blends seamlessly with both modern and classic architectural styles.

Premium electronics ensure full control over the unit's operation, even remotely.

Kita is environmentally friendly: it ensures independence from fossil fuels, providing both heating and cooling without the need for an auxiliary boiler.



K-TOUCH remote control panel

Advantages

Energy class

Heating

Cooling

Domestic Hot Water

Italian technology

Photovoltaic integration

Remote monitoring

Easy to install

High temperature

Front ventilation

025

Applications

Semi-detached houses

Block of flats

MODEL KITA LR

MODEL	CODE
LR 35 - 3 ph	4.1.4.9
LR 35 COLD - 3 ph	4.1.4.10

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
LR 35	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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA LR

High efficiency reversible air-to-water heat pump

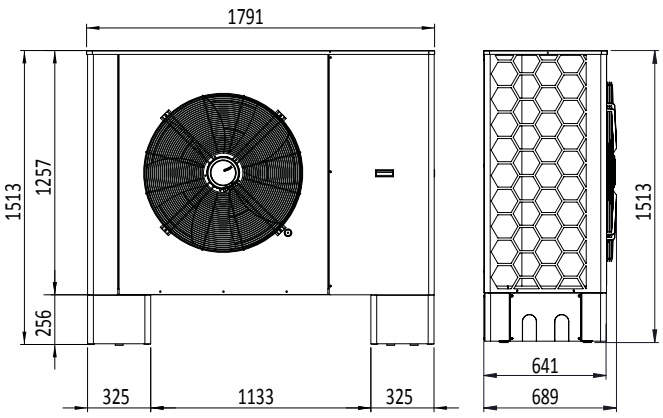
TECHNICAL DATA

Energy class:	A+++
Power supply:	400 V - 3 ph - 50Hz
Max electrical absorption A-20/W55:	12,50 kW (LR 35) 20,00 kW (LR 35 Cold)
Noise level:	Max sound pressure at 1 meter distance: 61 dB(A)*
Compressor:	Scroll injection
External fan:	Type: BLDC Nominal diameter: 910 mm Maximum speed: 610 rpm
Prated average climate: (low temperature application 35 °C)	32,59 (LR 35) – 38,25 (LR 35 COLD)
Prated average climate: (medium temperature application 55 °C)	31,03 (LR 35) – 36,66 (LR 35 COLD)
ETAs average climate: (low temperature application 35 °C)	198,1 % (LR 35) – 189,5 % (LR 35 COLD)
ETAs average climate: (medium temperature application 55 °C)	148,8 % (LR 35) – 148,3 % (LR 35 COLD)
SCOP average climate: (low temperature application 35 °C)	5,03 (LR 35) 4,81 (LR 35 Cold)
SCOP average climate: (medium temperature application 55 °C)	3,79 (LR 35) 3,78 (LR 35 Cold)

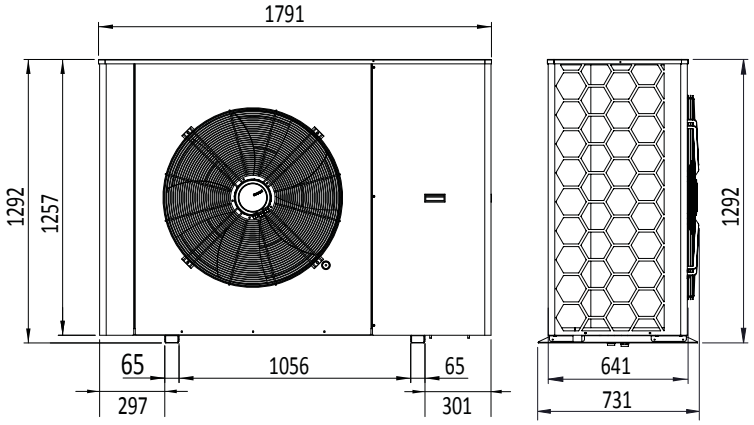
SEER Cooling mode - fan coil application	5,94 (LR 35) 5,60 (LR 35 Cold)
SEER Cooling mode - cooling floor application	8,03 (LR 35) 7,66 (LR 35 Cold)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R32 Q.ty: 7 kg
Diameter of water pipes:	Input; 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	1257 x 1791 x 641 mm
Weight:	280 Kg

AIR-TO-WATER

DIMENSION WITH LEGS



DIMENSION WITH BRACKETS



* The declared dB(A) values are obtained with the flow grid and silence kit installed.

Code	Description	Note
4.1.4.9	LR 35 - 3 ph	
4.1.4.10	LR 35 COLD - 3 ph	

Select an accessory for outdoor unit - required

Code	Description	Note
4.5.1.3	Support brackets for outdoor unit	To be used with 4.5.1.24 oR 2.1.3.10
4.5.1.4	Metal legs for outdoor unit	

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2
4.5.3.7	Multikita, 7'' Touch Panel	Up to 6 heat pumps

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Select an hydraulic accessory - optional (multiple selection)

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

4.10.1.7	Kit circolatore Templari EKOS GPA 25-13H PRO/180	Alternative to the standard circulator
2.4.3.2	Flexible joint kit with 1"1/2 F nozzles	2 Pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K.RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	Obligatory with at least one of: 4.5.3.5 - 4.5.3.6 - 4.5.3.19 - 4.5.3.20
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.800FG	Fan flow grid d. 800	
VE.910FG	Fan flow grid d.910	
4.5.5.1	Fan surcharge d. 910	
4.5.6.2	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
4.5.1.24	Pair of wall brackets for outdoor unit L 1275	
2.7.6.10	Anti-vibration M10 x 28 Ø 50x30 mm Male Male	4 Pieces
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	Obligatory with brackets 4.5.1.3
4.5.1.9	Outdoor unit coil protection grid	Protection Grid
4.5.5.2	AXITOP diffusor d. 910	
4.5.5.3	AXITOP diffuser d. 800	



Templari
HEAT PUMPS

R-32



KITA LR PLUS

High efficiency reversible air-to-water heat pump

AIR-TO-WATER

Technology
Made in Italy

KITA LR PLUS

High efficiency reversible air-to-water heat pump



LR PLUS series monobloc heat pumps: reversible, air-to-water, high-efficiency units with a Scroll Smart Injection inverter compressor.

Smart Injection' system with a vapour-injection Scroll Inverter compressor, ensuring maximum efficiency even at outdoor temperatures below -20°C.

Full-Inverter operation adapts the unit precisely to the building's thermal load requirements, delivering energy savings of over 30%.

The design of KITA heat pumps is Made in Italy and blends seamlessly with both modern and classic architectural styles.

Premium electronics ensure full control over the unit's operation, even remotely.

Kita is environmentally friendly: it ensures independence from fossil fuels, providing both heating and cooling without the need for an auxiliary boiler.

Advantages

- A+++ Energy class
- Heating
- Cooling
- Domestic Hot Water
- Made in Italy — Italian technology
- Photovoltaic integration
- Remote monitoring
- Easy to install
- 55°C High temperature
- Front ventilation
- CE
- 025
- ICIM CERTIFIED PRODUCT



K-TOUCH remote control panel

Applications

- Semi-detached houses
- Block of flats

MODEL KITA LR PLUS

MODEL	CODE
LR PLUS - 3 ph	4.1.5.3

TECHNICAL DATA

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
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

Qh= Thermal capacity **COP**= Coefficient of performance **Qc**= Cooling capacity **EER**= Cooling efficiency

KITA LR PLUS

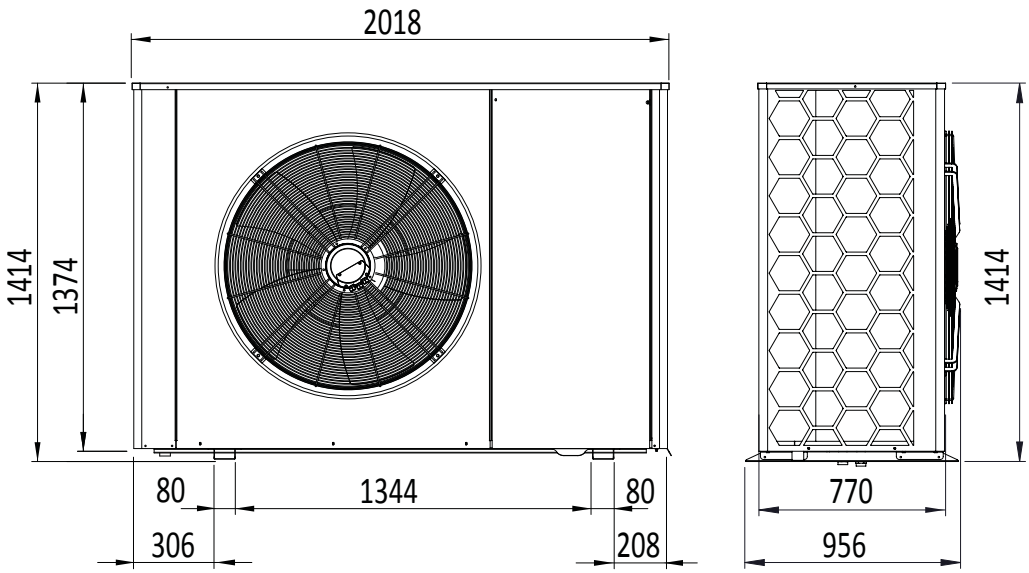
High efficiency reversible air-to-water heat pump

TECHNICAL DATA

Energy class:	A+++
Power supply:	400 V - 3 ph - 50Hz
Max electrical absorption A-20/W55:	20,00 kW
Noise level:	Max sound pressure at 1 meter distance: 61 dB(A)*
Compressor:	Scroll injection
External fan:	Type: BLDC Nominal diameter: 910 mm Maximum speed: 610 rpm
Prated average climate: (low temperature application 35 °C)	47,26 (LR PLUS 45)
Prated average climate: (medium temperature application 55 °C)	44,10 (LR PLUS 45)
ETAs average climate: (low temperature application 35 °C)	195 % (LR PLUS 45)
ETAs average climate: (medium temperature application 55 °C)	148,8 % (LR PLUS 45)
SCOP average climate: (low temperature application 35 °C)	4,95 (LR PLUS)
SCOP average climate: (medium temperature application 55 °C)	3,79 (LR PLUS)

SEER Cooling mode - fan coil application	5,23 (LR PLUS)
SEER Cooling mode - cooling floor application	7,62 (LR PLUS)
Finned coil:	Fin spacing: 2,5 mm
Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R32 Q.ty: 7,4 kg
Diameter of water pipes:	Input; 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions (HxWxD):	1414 x 2018 x 956 mm
Weight:	320 Kg

DIMENSION WITH BRACKETS



* The declared dB(A) values are obtained with the flow grid, silence kit and axitop installed.

R 32 | KITA LR PLUS

Code	Description	Note
4.1.5.3	LR PLUS - 3 ph	

Select a controller - required

Code	Description	Note
4.5.3.2	7'' touch panel	
4.5.3.16	9,7'' Touch Panel	Alternative to 4.5.3.2
4.5.3.7	Multikita, 7'' Touch Panel	Up to 6 heat pumps

Select a panel frame - optional

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	

Select an accessory - required

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between internal and external unit

Select an accessory - required

Code	Description	Note
EL.CV_ETH10	Ethernet cable, 10 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH20	Ethernet cable, 20 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH30	Ethernet cable, 30 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs
EL.CV_ETH50	Ethernet cable, 50 meters long	Required with code 4.5.3.18 including of:Cable + 2x RJ45 plugs

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Optional Idraulici:

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor in actuator)	For DHW mandatory SN.NTCWP3M
SN.NTCWP3M	Temperature sensor NTC IP68 WH	For DHW mandatory 4.5.4.1

K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	Antifreeze valve with brass body 1" 1/2	
2.4.3.2	Flexible joint kit with 1"1/2 F nozzles	2 Pieces

Umwälzpumpe auswählen – obligatorisch

Code	Description	Note
4.10.1.8	Circulator Kit Templari EKOS GPA 32-17H PRO/180	

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	
4.5.2.7	9 kW Auxiliary Heater Kit	Heating element for supply pipe. To be installed separately.
K.RSC	Condensate drain pipe heater	
EL.CV_IM10	System and B2-B3 Buffer tank cable, length 10mt	Cable connecting the machine to the buffer probes
4.5.2.10	Dual power supply 24A control panel	
4.5.3.49	4G modem kit with Ethernet port	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.3	Floor board	
4.5.3.4	C-Mix board	
4.5.3.10	Modbus Dehumidification board, for DIN rail	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.28	T-Fan module VS/SS	The purchase of at least one of the following is mandatory: 4.5.3.5 – 4.5.3.6 – 4.5.3.20 – 4.5.3.19
4.5.3.29	C-Mix Compact board	

Select a sensor - optional (multiple selection)

Code	Description	Note
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatory as an alternative to codes: 4.5.3.5/4.5.3.6/4.5.3.20

Select an accessory - optional (multiple selection)

Code	Description	Note
VE.910FG	Fan flow grid d.910	
2.1.3.10	BASE SBR floor supports, dimensions (HxWxD) 95x250x130	
4.5.1.11	Outdoor unit coil protection grid	Protection Grid
4.5.5.2	AXITOP diffusor d. 910	
4.5.1.30	Kit Front Grid L Plus	

ACCESSORIES
REMOTE CONTROL

Templari
HEAT PUMPS

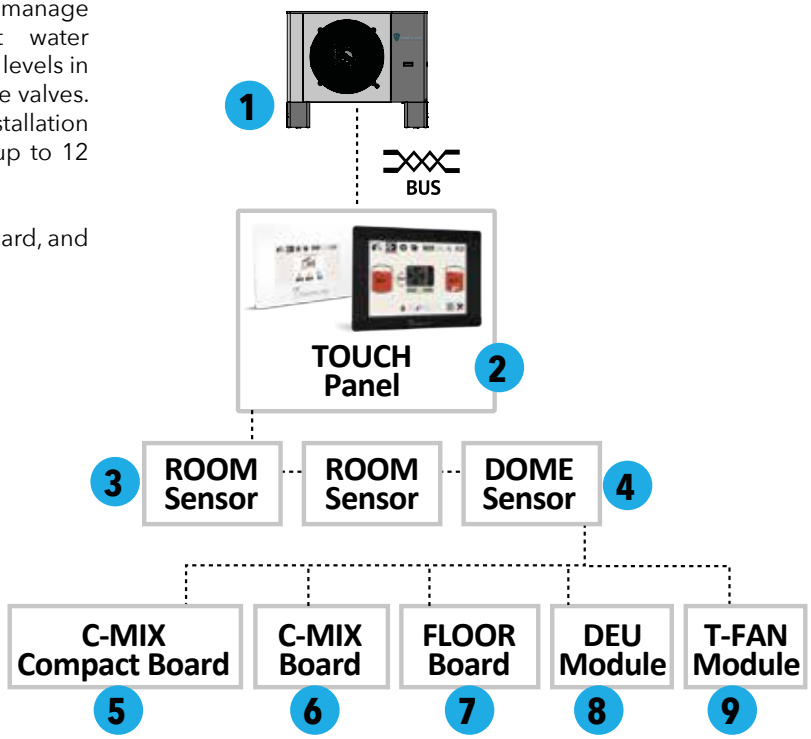
Remote Control

HCC and TBA comfort management

The HCC (House Climate Control) system enables MODBUS based management of the KITA heat pump, integrating it with the building's heating system. From a single panel, and with the help of additional accessories, it is possible to manage heating, cooling, dehumidification and domestic hot water production, as well as monitor temperature and humidity levels in living spaces, control relaunch pumps, mixing valves and zone valves. The system can be customised according to the building's installation type: up to 3 circuits with different flow temperatures and up to 12 independent zones.

The system components are: Touch screen panel, Floor I/O board, and Room temperature and humidity sensors.

HCC panel 7" dim. (HxWxD) 175 x 238 x 51 mm
TBA panel 9" dim. (HxWxD) 203 x 260.6 x 36.5 mm



HCC system

Comfort management in just a few touches!
For precise and efficient control of our heat pumps, we have developed HOUSE CLIMATE CONTROL (HCC), a management software designed to optimise heat pump performance while ensuring the best possible living comfort. The software also enables remote monitoring of the entire system.

TBA system

TBA is the evolution of the HCC software. It shares the same functional features as the HCC system, but also enables data storage related to energy consumption and system operation for up to 5 years. This feature allows the TBA system to qualify for tax benefits and government incentives.

The HCC and TBA systems consist of:

- 2) Touch Display: allows monitoring and setting of all system operating parameters;
- 3) ROOM Sensors: monitor temperature and humidity of individual rooms in real time;
- 4) DOME Sensors: ambient probe;
- 5) C-MIX Compact boards: manage a direct or mixed secondary circuit;
- 6) C-MIX boards: acquire readings from ROOM sensors, and manage mixing valves and circulator pumps;
- 7) FLOOR boards: acquire sensor readings;
- 8) DEU module: acquires sensor readings;
- 9) T-FAN module: manages a fan coil unit;



3

ROOM sensor

Temperature and humidity sensor that communicates via MODBUS with the touch panel.
In addition to displaying environmental data, it can be used to adjust the setpoint of individual rooms.
Dim. (HxWxD) 84x107x13.5 mm



4

DOME sensor

An ambient probe capable of measuring the temperature and humidity of the surrounding environment and calculating the dew point.
Available in white or black.



5

C-MIX Compact board

Capable of managing a direct or mixed secondary circuit, acquiring the room demand through the closure of the digital enable input (clean contact room thermostat), or from the associated Room or Dome sensor.



6

C-MIX board

Derived from the FLOOR board, it features a modified firmware that allows management of:
- 1 mixed circuit
- 1 direct, non-mixed circuit (High Temperature, or HT).

The commands to activate the two circuits are transmitted via 2 clean contacts. The C-Mix board allows the Kita heat pump to interface with traditional systems using a clean contact chronothermostat. Dim. (HxWxD) 97x212.5x32.2 mm
www.templari.com



7

Floor board

Electronic board that manages the activation/deactivation of the system on/off or modulating circulation pumps, zone valve actuators, on/off or modulating mixing valves, dehumidifiers and hydronic fan coils. Dim. (HxWxD) 97x212.5x32.2 mm



8

DEU Module

Control module for dehumidification/ :humidification that manages the dehumidification coil of the mechanical ventilation system, or a humidification system.

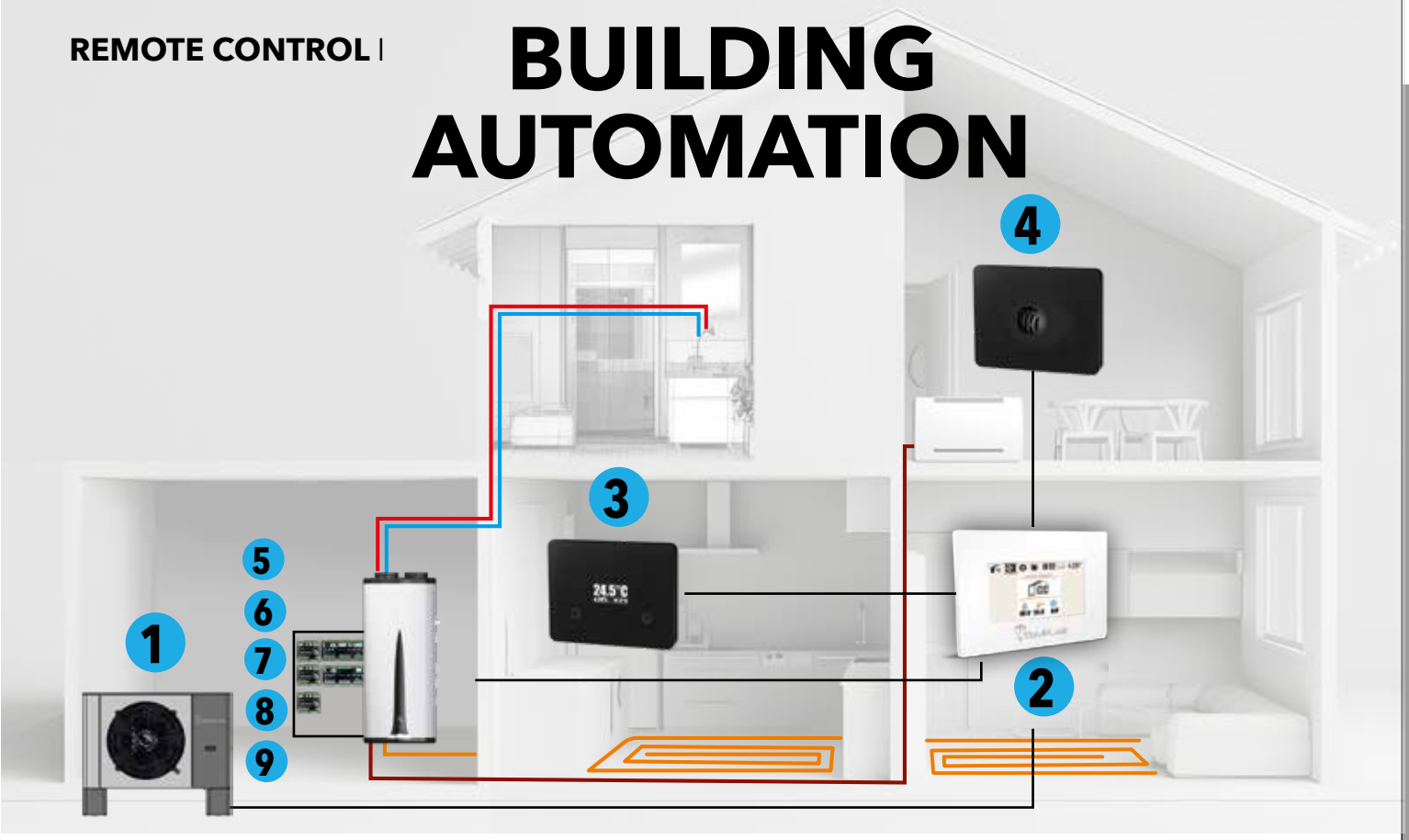


9

T-FAN Module

Manages a 0-10V or 3-speed fan coil unit, based on the temperature measured by the associated Room or Dome sensor.

BUILDING AUTOMATION



Obligatory accessories - controller



N.B: the diagram is for illustrative purposes only.
For the connections, refer to the wiring diagram in our manual.

Select an accessory - required

Code	Description	Note
4.5.3.16	9,7'' Touch Panel	
4.5.1.14	Flush-mounted frame for 9.7'' touch panel	
4.5.3.3	Floor board	
4.5.3.5	ROOM temperature and humidity sensor - Black	Obligatorisch als Alternative zu den Codes:: 4.5.3.20/4.5.3.19/4.5.3.6
4.5.3.6	ROOM temperature and humidity sensor - White	Obligatorisch als Alternative zu den Codes:: 4.5.3.20/4.5.3.19/4.5.3.5
4.5.3.20	DOME temperature and humidity sensor - Black	Obligatorisch als Alternative zu den Codes:: 4.5.3.5/4.5.3.6/4.5.3.19
4.5.3.19	DOME temperature and humidity sensor - White	Obligatorisch als Alternative zu den Codes:: 4.5.3.5/4.5.3.6/4.5.3.20
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)

Accessori Select an accessory - optional (multiple selection)

Code	Description	Note
4.5.3.4	C-Mix board	
4.5.3.9	0-10 Slave-Steuerkarte, für DIN-Schiene	
4.5.3.10	Modbus Dehumidification board, for DIN rail	Obligatory at least on of: 4.5.3.20/4.5.3.19/4.5.3.5/6
4.5.3.11	T-meter: Immersion probe module	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	

Controlling multiple units remotely

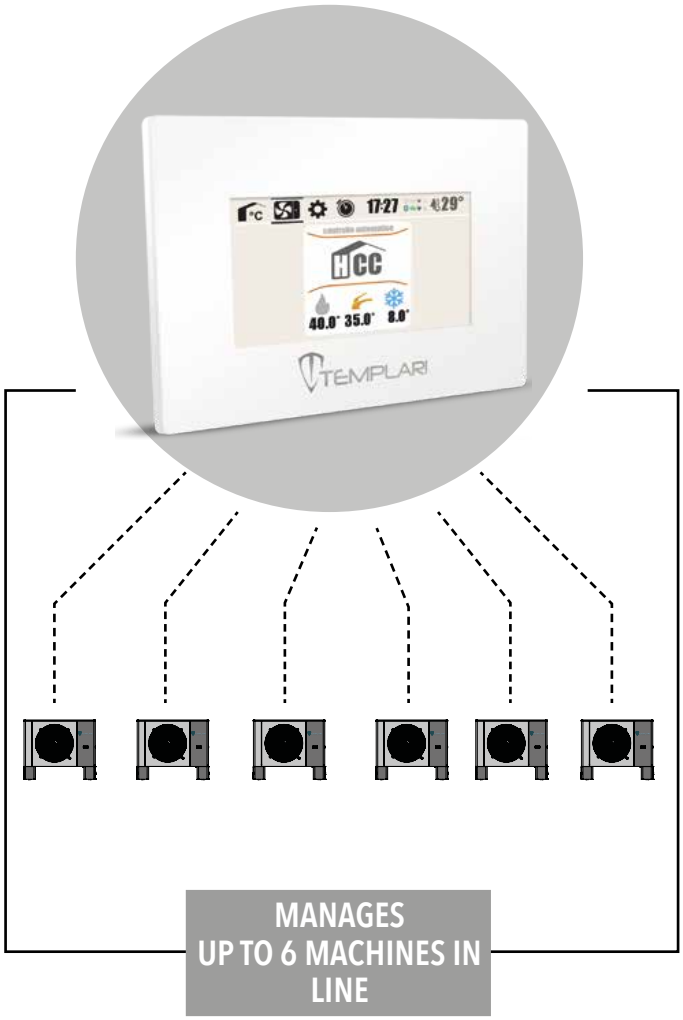
Multikita comfort management

Multikita

The Multikita system is the solution developed by Templari to monitor and integrate the power of several heat pumps in a single system, such as in commercial buildings and apartment blocks. By using a convenient 7" touch panel with simple, intuitive graphics you can manage and control up to six Kita units. Using the probes installed on the first heat pump and thanks to its operating logic, the software calculates the system's demand and distributes it to all heat pumps while also managing domestic hot water (if any).



The user only has to set a few parameters via the touchscreen, and Multikita takes care of the rest. With its user-friendly management interface, the desired parameters can be entered with just a few taps. To make management even more flexible, Templari offers the option to remotely control the system via computer/tablet/mobile devices.



Select an accessory - required

Code	Description	Note
4.5.3.7	Multikita, 7'' touch panel	

Select an accessory - required

Code	Description	Note
1.1.1.1.102	Flush-mounted frame for 7'' touch panel	
1.1.2.1.50	External wall-mounted metal frame for 7'' touch panel	Alternative to the 1.1.1.1.102 wall-mounted frame

Select an electric accessory - optional (multiple selection)

Code	Description	Note
2.5.7.28	HCC, 100m roll of cable 2x0.50mmq for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, Power kit - pair of 200m coils (red+black) 1mmq cable	

Select an electronic accessory - optional (multiple selection)

Code	Description	Note
4.5.3.4	C-Mix board	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.14	Modbus Integration and anti-legionella board, for DIN rail	
4.5.3.27	T-Hybrid board - Module for managing the hybrid boiler + PDC configuration	
4.5.3.29	C-Mix Compact Platine	
4.5.3.36	GP/IO board kit for additional probes	

ACCESSORIES
HYDROBOX

Templari
HEAT PUMPS

HYDROBOX



Hydrobox

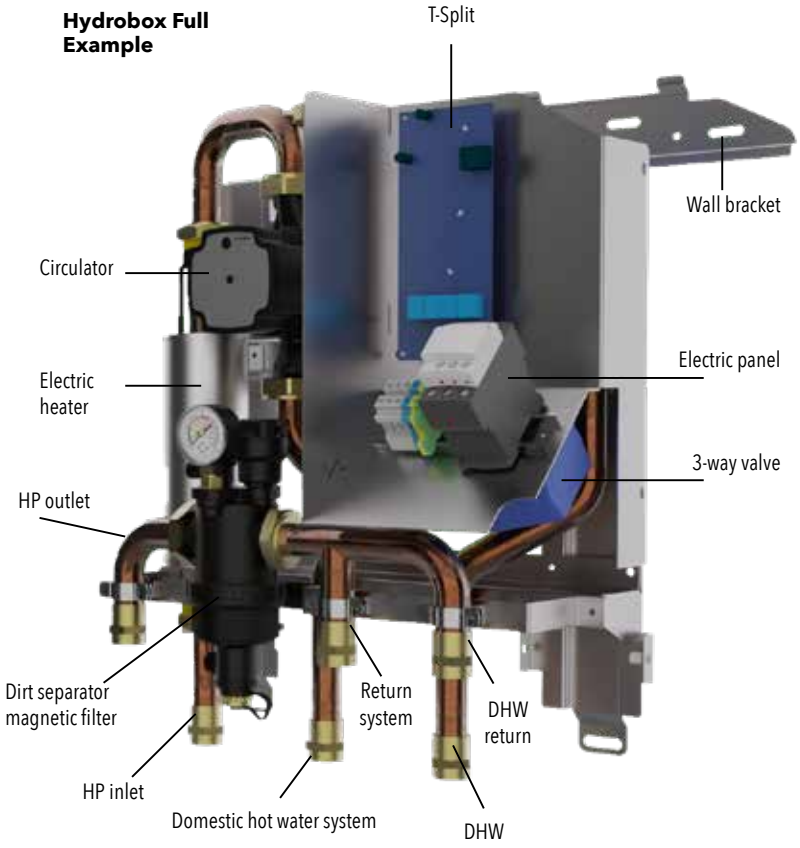


Hydrobox
+ Electrical Box



Electrical box

Hydrobox Full Example



L'Hydrobox, modulo idronico da interno, si distingue per il suo design elegante e funzionale. Disponibile in tre versioni, "Basic", "Full" e "Direct".

TECHNICAL DATA DIRECT VERSION

Circulator	n. 1
Dirt separator	n. 1
Valve	Safety valve
Electronic board	T-Split - n. 1
Dirt separator filter	n. 1 - Magnetic
Circulator	n. 1
Pressure gauge	n.1
Automatic air vent	n.1
3-6-9 kW heating element	optional

TECHNICAL DATA BASIC VERSION

Circulator	n. 1
Dirt separator	n. 1
Valve	3-way diverter valve heating system/ domestic hot water - Safety valve
Electronic board	T-Split - n. 1
Dirt separator filter	n. 1 - Magnetic
Circulator	n. 1
Pressure gauge	n.1
Automatic air vent	n.1
3-6-9 kW heating element	optional

TECHNICAL DATA FULL VERSION

Circulator	n. 1
Dirt separator	n. 1
Valve	3-way diverter valve heating system/ domestic hot water. 3-way diverter valve for domestic hot water pre-heating (allows pre-heating of the primary circuit water before releasing it into the domestic hot water tank). Safety valve
Electronic board	T-Split - n. 1
Dirt separator filter	n. 1 - Magnetico
Circulator	n. 1
Pressure gauge	n.1
Automatic air vent	n.1
3-6-9 kW heating element	optional

DIMENSION

HYDROBOX	H 600 x L 475 x P 250 mm
HYDROBOX + ELECTRICAL BOX	H 580 x L 480 x P 360 mm

Hydrobox da scegliere fra le opzioni:

Code	Description	Note
4.8.1.25	Hydrobox Direct version	
4.8.1.1	Hydrobox Basic version	
4.8.1.2	Hydrobox Full version	

Select the front aesthetic cover

Code	Description	Note
4.5.1.22	Hydrobox cover without touch panel	
4.5.1.23	Hydrobox cover with touch panel	Obligatory with code 4.5.3.45

Select an accessory - optional (multiple selection)

Code	Description	Note
4.5.4.13	Kit cilindrical resistance 3 kW - Hydrobox	
4.5.4.14	Kit cilindrical resistance 6 kW - Hydrobox	
4.5.4.15	Kit cilindrical resistance 9 kW - Hydrobox	

Select the Electrical Box

Code	Description	Note
4.5.3.45	Electrical Box for Hydrobox	Obligatory with code 4.5.3.34 (with 24 + 24 slots available for accessory boards)
4.5.3.46	Electrical Box	Obligatory with code 4.5.3.34 (Sold separately, with 12 + 24 available slots (12 slots are used by the T-SPLIT board)
4.5.3.34	7'' Touch Panel for Mono Technical Cabinet / Hydrobox	
4.5.3.52	HCC, 7-inch multi-kit panel on HYDROBOX housing	

Select the electronic accessory for Electrical Box

Code	Description	Note
4.5.3.43	C-MIX board for Hydrobox with cables - 12M	Covers 12 slot of the electrical box
4.5.3.44	FLOOR board for Hydrobox with cables - 12M	Covers 12 slot of the electrical box
4.5.3.37	T-SPLIT board for Electrical Box with cables - 12M	Covers 12 slot of the electrical box
4.5.3.38	C-MIX COMPACT board for Hydrobox with cables - 5M	Covers 5 slot of the electrical box
4.5.3.39	DEHUMIDIFIER board for Hydrobox with cables - 3M	Covers 3 slot of the electrical box
4.5.3.40	RESISTANCE INTEGRATION board for Hydrobox with cables - 3M	Covers 3 slot of the electrical box
4.5.3.41	T-HYBRID board for Hydrobox with cables - 3M	Covers 3 slot of the electrical box
4.5.3.42	T-FAN board for Hydrobox with cables - 5M	Covers 5 slot of the electrical box
4.5.3.47	T-METER board for Hydrobox with cables - 3M	Covers 3 slot of the electrical box

ACCESSORIES
STORAGE TANKS - BOILERS

Templari
HEAT PUMPS

Wärmepumpen-Boiler

Save energy, reduce your environmental impact and enjoy the comfort of a constant, sustainable supply.
The smart choice for a greener, more affordable future!



Strengths:

- Energy class: A+
- Compact column design
- Eco-friendly R290 refrigerant
- Water outlet temperature up to 75°C
- Smart control via WIFI



CE



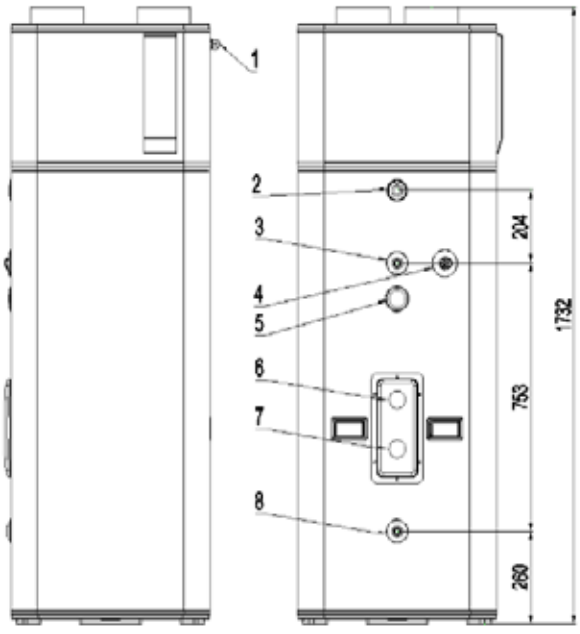


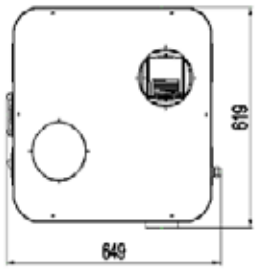
HEAT PUMP BOILER

Code	Capacity
4.9.1.5	200 LT
4.9.1.6	300 LT

TECHNICAL FEATURES

Water tank capacity	200 LT	300 LT
Energy Class	A+	A+
Code	YT-200TJ2	YT-300TJ2
Power supply	220~240 V~ 1ph 50 Hz	220~240 V~1ph 50 Hz
Thermal output	1450W	1450W
Nominal hot water production	31 LT/H	31 LT/H
Max power input	2650 W	2650 W
Max current input	11.5 A	11.5 A
COP	3,92 W/W	3,92 W/W
Heat pump		
Nominal power	550 W	550 W
Nominal current	2.4 A	2.4 A
Electric heater		
Nominal power	2000W	2000W
Nominal curren	9.1 A	9.1 A
Refrigerant type/Charge/GWP	R290/150 g/3	R290/150g/3
CO^2-equivalent	0,00045 t	0,00045 t
Operating ambient temperature	-7~43°C	-7~43°C
COP EN16147 7-6°C"	3.151	3.251
COP EN16147 20-15C°	4.009	4.029
Maximum volume of mixed water at 40 °C (V40)	232 LT	330 LT
Maximum operating pressure of the heat exchanger	3.2 MPa	3.2 MPa
Maximum operating pressure, flow side	3.2 MPa	3.2 MPa
Maximum operating pressure, return side	1.2 MPa	1.2 MPa
Nominal operating pressure of the tank	0.8 MPa	0.8 MPa
IP class	IPX1	IPX1
Water pipe connections	G3/4''	G3/4''
Nominal air flow rate	350 m³/h	350 m³/h
Unit dimensions	1710 x 600 x 600 mm	2110 x 600 x 600 mm
Packaging dimensions (WxDxH)	1815 x 700 x 700 mm	2215 x 700 x 700 mm
Noise level	51dB(A)	51dB(A)
Net weight	93 Kg	110 Kg





Domestic hot water enameled boiler



Enamelled carbon steel boiler for the production and storage of DHW equipped with one or two internal fixed coil heat exchangers which can be fed by a heat pump and a solar system. The special parallel double spiral heat exchanger of the boiler allows a more effective transmission of the power supplied by the heat pump in colder regions thus reducing the number of start-up and shutdown cycles to the full advantage of the life and reliability of the system.

Sanitary

- Material: S 235 Jr porcelain glass
- Treat. internal protective: Inorganic food enamel (DIN 4753.3)
- Treat. external protective: Anti-rust painting and industrial enamel
- Operation (P max. / T max.): 8 bar / 95°C
- Cathodic protection: Magnesium anode

Upper heat exchanger (heat pump)

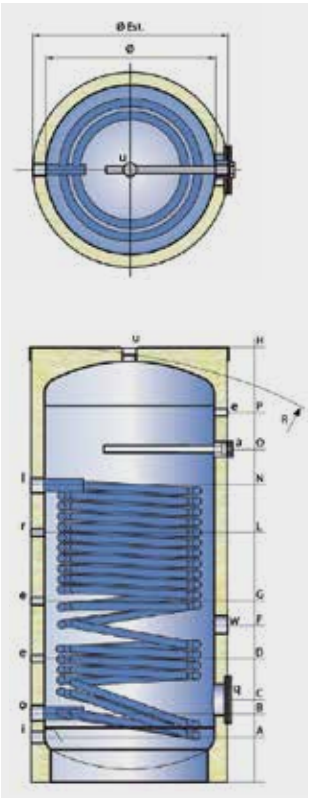
- Material: S 235 Jr porcelain glass
- Treat. internal protective: Raw
- Treat. external protective: Inorganic food enamel (DIN 4753.3)
- Typology: Fixed coil with double parallel spiral
- Operation (P max. / T max.): 10 bar / 95°C

Technical data

- Capacity: 10 bars / 95°C
- Warranty: 5 years
- Insulation: Rigid polyurethane + pvc:
- Fire resistance class B3 (DIN 4102)
- Flexible insulation in Polyester + PVC:
- Fire resistance class B2 (DIN 4102)
- Reference legislation:
- Directive 2014/68/EU (PED) Art. 4 Par. 3 (pressure equipment)
- Ministerial Decree of 6 April 2004 N.174 (suitability of materials in contact with ACS)
- Directive 2009/125/CE (Energy related Products)
- ErP: B from 300 to 600 L / C from 800 to 1000 L

Code	Product	Insulation thick(mm)	Heat loss s (W)	Real Capacity (Lt)	Heat exch. (m^2) / (Lt) *	Dimension (mm)				Weight: (Kg)
						Ø	H	Ø Est** hard/ soft ins.	R***	
2.4.4.16	**200 LT**	50	56,7	189,8	2,10 / 20,6	450	1320	550	1440	78
2.4.4.6	**300 LT**	50	69,2	290,3	3,50 / 34,3	500	1610	600	1730	110
2.4.4.13	**400 LT**	50	73,0	414,9	4,50 / 44,1	650	1410	750	1610	133
2.4.4.7	**500 LT**	50	81,6	500,3	5,70 / 55,9	650	1660	750	1835	159
2.4.4.33	**600 LT**	50	90,2	585,7	5,70 / 55,9	650	1910	750	2065	167
2.4.4.8	**800 LT**	100	106,6	749,8	6,00 / 58,8	790	1750	990 / 1050	1745	215
2.4.4.9	**1000 LT**	100	110,5	931,5	6,00 / 58,8	790	2110	990 / 1050	2095	251

* Total overall volume of the heat exchanger and its support structure / **All insulation is removable except for models from 300 to 600 L. *** For capacities from 200 to 600 L, the tipping diagonal refers to the tank.



Code	Dimension (mm)										Connections (gas)						
	A	B	C	D	F	G	L	N	O	P	a	l o	e	r	i u	w	q
2.4.4.16	95	187	262	342	623	623	743	1077	953	1087	1"¼	1"	½"	½"	1"	1"½	120/180
2.4.4.6	120	210	300	320	495	780	925	1110	1160	1365	1"¼	1"¼	½"	½"	1"	1"½	120/180
2.4.4.13	145	240	310	340	525	680	870	1005	1030	1140	1"¼	1"¼	½"	½"	1"	1"½	120/180
2.4.4.7	145	240	310	350	570	810	1020	1250	1280	1390	1"¼	1"¼	½"	½"	1"	1"½	120/180
2.4.4.33	145	240	310	390	605	930	1070	1250	1510	1640	1"¼	1"¼	½"	½"	1"	1"½	120/180
2.4.4.8	150	275	345	405	620	840	1000	1170	1310	1425	1"¼	1"¼	½"	1"	1"½	1"½	120/180
2.4.4.9	150	275	345	475	750	1000	1120	1275	1615	1770	1"¼	1"¼	½"	1"	1"½	1"½	120/180

a. magnesium anode
e. thermometer - temperature probe i. cold domestic water inlet
l. heat pump flow
o. heat pump return
q. domestic hot water inspection flange
r. recirculationu.
u. domestic hot water outlet
w. electric heating element connection

Domestic hot water enameled boiler

	MODEL	2.4.4.16				2.4.4.6				2.4.4.13				2.4.4.7				2.4.4.33				2.4.4.8				2.4.4.9			
	HEAT EXCH (m^2) [Lt] [1]	2,1 [14,9]				3,5 [24,9]				4,5 [32,0]				5,7 [40,5]				5,7 [40,5]				6,0 [42,6]				6,0 [42,6]			
	PRIM. FLOW (m^3/h)	2				2				3				3				3				3				3			
	TPRIM. TEMP. (°C)	50	60	70	80	50	60	70	80	50	60	70	80	50	60	70	80	50	60	70	80	50	60	70	80	50	60	70	80
SANITARIO DA 10 A 45° C	LITRES 10' (Lt/10') [2]	216	266	370	412	295	366	505	564	428	525	727	808	577	690	956	1049	658	771	1072	1165	902	1018	1424	1520	1075	1191	1671	1767
	LITRES FIRST HOUR [2]	593	892	1215	1466	866	1295	1744	2099	1187	1769	2393	2875	1489	2167	2922	3479	1571	2247	3037	3595	1851	2548	3458	4032	2023	2721	3704	4278
	CONT. DRAW [3]	476	791	1067	1332	722	1173	1565	1938	960	1572	2104	2612	1153	1866	2483	3070	1153	1865	2482	3070	1198	1933	2569	3173	1198	1933	2568	3173
	POWER (kW)	19	32	43	54	29	48	64	79	39	64	86	106	47	76	101	125	47	76	101	125	49	79	105	129	49	79	105	129
	PREHEATING [3] (min)	21	12	9	7	19	11	8	6	21	12	9	7	26	15	11	9	32	19	14	11	47	27	20	16	58	34	24	19
SANITARIO DA 10 A 60° C	LITRES 10' (Lt/10') [2]	-	-	227	261	-	-	310	359	-	-	449	515	-	-	602	679	-	-	683	760	-	-	928	1007	-	-	1100	1180
	LITRES FIRST HOUR [2]	-	-	659	864	-	-	961	1253	-	-	1316	1712	-	-	1640	2101	-	-	1721	2182	-	-	2005	2480	-	-	2178	2653
	CONT. DRAW [3]	-	-	546	761	-	-	822	1130	-	-	1095	1512	-	-	1311	1796	-	-	1311	1796	-	-	1361	1861	-	-	1361	1861
	POWER (kW)	-	-	32	44	-	-	48	66	-	-	63,7	87,9	-	-	76,2	104,5	-	-	76	104	-	-	79	108	-	-	79,2	108,2
	PREHEATING [3] (min)	-	-	18	13	-	-	16	12	-	-	18	13	-	-	23	16	-	-	28	19	-	-	40	28	-	-	50	35
	NL [4]	5				11				20				30				34				44				53			

(1) Volume of fluid contained in the heat exchanger (2) Obtainable with pre-heated cylinder (at 45 °C with primary side set at 50 or 60 °C and pre-heated at 60 °C in the other cases) and a running heat source (3) With a proper power heat source generator (4) Primary side 80 °C - Secondary side 10-45 °C

Select an hydraulic accessory - required

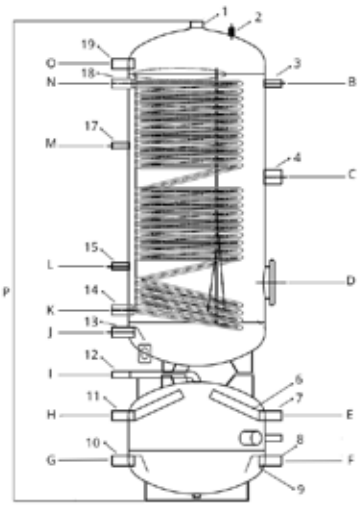
Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

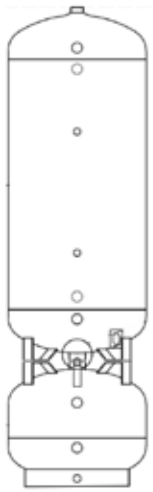
Accessories - optional

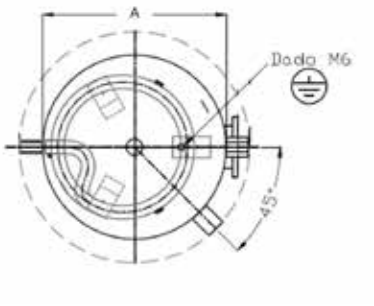
Code	Description
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 3Ph 400V

Bi-puffer tank
glass-lined









1	Domestic hot water flow	1" 1/4	10	Heating system return (buffer tank)	1"
2	Magnesium anode	1" 1/4	11	Heating system flow (buffer tank)	1"
3	Thermometer / probe	1/2"	12	Air vent	1/2"
4	Electric heating element (cylinder)	1" 1/2	13	Domestic cold water inlet	1"
6	Probe	1/2"	14	Upper coil return	1" 1/4
7	Coil flow (boiler/heat pump)	1"	17	Recirculation	1/2"
8	Coil return (boiler/heat pump)	1"	18	Upper coil flow	1"
9	Electric heating element (buffer tank)	1" 1/2			

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Ø 550	1755	1300	875	340	160	160	340	505	675	765	940	1425	1675	1755	H 1925

The heat exchanger tube is specially designed to increase the internal currents of the cylinder and allow hot water to be produced even if the liquid in the heat exchanger does not reach high temperatures.
The lower buffer tank, with no internal heat exchanger and connected directly to the heat pump, ensures a constant average temperature, limiting compressor operation and maximising exchange efficiency.

Code	Upper heat exchanger (m^2)	Weight (Kg)	Volume (l)	Heat loss (W)	Energy class
2.4.4.72	3,3	150	270 + 80	73	B

MAXIMUM PRESSURE AND TEMPERATURES

Code	Coil pressure (bar)	DHW pressure (bar)	Buffer tank pressure (bar)	Coil max temp. (°C)	DHW/buffer tank max temp. (°C)
2.4.4.72	10	10	6	110	95

UPPER HEAT EXCHANGER PERFORMANCE

Code	Surface area (m^2)	Water content (l)	Heating flow rate 60/50°C (m^2)	Output delivered (kW)	DHW production DIN4708 (m^2/h)	Pressure drop (mbar)
2.4.4.72	3,3	20,2	1,3	15	0,37	11

LOWER BUFFER TANK

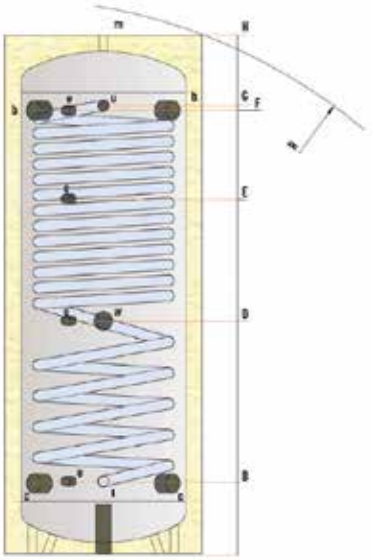
Code	Effective capacity	Flow/return connection (11-10)	Electric heating element (9)	Operating pressure (bar)	Max temp. (°C)
2.4.4.72	80	1''	1'' 1/2	6	95

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

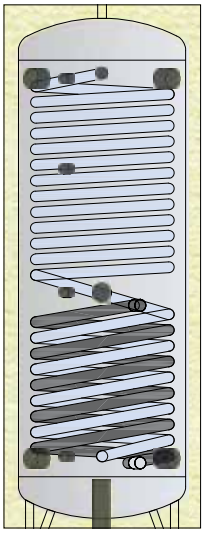
SMART buffer tank with instant DHW production





b. Heat source flow
c. Heat source return
e. Thermometer - Sensor
i. Domestic cold water inlet
m. Buffer vent
u. Domestic hot water outlet
w. Opening for immersion heater

The Smart combined thermal store is a primary water storage tank mainly intended for the instantaneous production of domestic hot water (DHW) by means of a Heat exch. corrugated heat exchanger in AISI 316L stainless steel with very high exchange efficiency. It is available in the storage only + DHW production or storage + DHW and Heat exch production version.



Combined storage tank Smart version with solar coil

General features: Reference legislation
- Directive 2014/68/EU (PED) Art. 4 Par. 3 (pressure equipment)
- Ministerial Decree of 6 April 2004 N.174 (suitability of materials in contactwith ACS)
- Directive 2009/125/CE (Energy related Products) ErP: B

Sanitary:
Material: Stainless steel AISI 316L (1.4404)
Treat. internal and external protective: Pickling and passivation
Typology: Corrugated pipe
Operation (P max. / T max.): 6 bar / 95°C

Puffer tank:
Material: S 235 Jr
Treat. internal protective: Raw
Treat. external protective:
Painting with anti-rust and industrial enamel
Operation (P max. / T max.): 3 bar / 95°C

Heat exch.:
Material: Stainless steel AISI 316L (1.4404)
Treat. internal and external protective: Pickling and passivation
Typology: Corrugated pipe
Operation (P max. / T max.): 6 bar/95°C

Code	Product	Dimensions (mm)				Insulation(mm)	Heat exch. (m^2) Inf.	Heat exch. sanitario inox (m^2)	Power (kW)	DHW Contt. draw ACS* (l/h)	Weight: (Kg)
		Ø	H	Ø Est*	R						
2.4.4.21	**300 LT**	500	1580	600	1520	50	1,20	4,0	36,0	884	70
2.4.4.22	**400 LT**	600	1610	799	1660	50	1,40	5,0	45,0	1105	104
2.4.4.42	**300 LT**	500	1580	600	1520	50	1,20	4,0	36,0	884	70
2.4.4.40	**400 LT**	600	1610	799	1660	50	1,40	5,0	45,0	1105	104

* Average buffer temp. 65 °C, DHW from 10 to 45° C

Code	DHW[(2)] producible with a 10 L/min flow rate, with a totally heated buffer and a not running heat source			DHW[(2)] producible with a 20 L/min flow rate, with a totally heated buffer a not running heat source			
	Buffer at 55° C (Lt)	Buffer at 65° C (Lt)	Buffer at 70° C (Lt)	Buffer at 55° C (Lt)	Buffer at 65° C (Lt)	Buffer at 70° C (Lt)	NL[(3)]
2.4.4.21	82	185	269	45	112	175	1
2.4.4.22	112	252	367	61	153	139	1,2
2.4.4.42	82	185	269	45	112	175	1
2.4.4.40	112	252	367	61	153	139	1,2

(2) from 10 to 45 °C-(3) Buffer at 70 °C, DHW from 10 to 45° C

Code	Dimensions (mm)					Connections (gas)		
	B	D	E	F	G	b c w	e m	i u
2.4.4.21	221	710	1080	1350	1365	1"1/2	1/2"	3/4"
2.4.4.22	230	644	1090	1350	1365	1"1/2	1/2"	3/4"
2.4.4.42	221	710	1080	1350	1365	1"1/2	1/2"	3/4"
2.4.4.40	230	644	1090	1350	1365	1"1/2	1/2"	3/4"

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

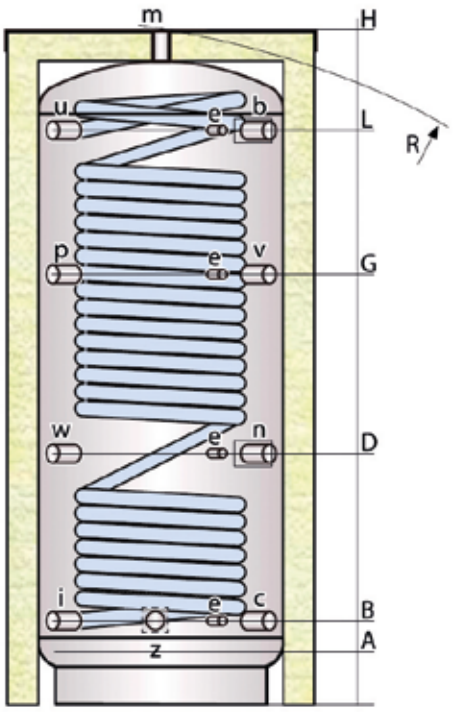
Accessories - optional

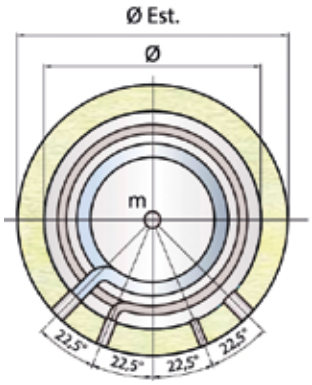
Code	Description
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 3Ph 400V

Maxi buffer tank with istant DHW production



Thermal accumulator for the storage of heating water produced by continuous or discontinuous heat sources; instantaneous production of domestic hot water (DHW) by means of a Heat exch. corrugated heat sink in high efficiency AISI 316L stainless steel. Available in the versions: storage only, storage + one Heat exch. fixed coil primary heat exchangers, storage + two fixed coil primary heat exchangers.
The heat transfer fluid contained in the external Buffer tank and in the primary exchangers must operate in a "closed circuit" (i.e. without oxygen) in order to avoid corrosive phenomena.





b. Biomass boiler flow
c. Biomass boiler return
e. Thermometer - Sensor
i. Domestic cold water inlet
m. Buffer vent
n. Heating system return
p. Free connection
u. Domestic hot water outlet
v. Heating system flow
w. Opening for immersion heater
z. Low temperature heating system return

Sanitary:
Material: Stainless steel AISI 316L (1.4404) Treat. internal and external protective: Pickling and passivation
Typology: Corrugated pipe
Operation (P max. / T max.): 6 bar / 95°C

Buffer tank:
Material: S 235 Jr
Treat. internal protective: Raw
Treat. external protective:
Painting with anti-rust and industrial enamel
Operation (P max. / T max.): 3 bar / 95°C

Heat exch.:
Material: S 235 Jr. steel
Treat. internal and external protective: Raw
Typology: Fixed spiral
Operation (P max. / T max.): 10 bar/95°C

General characteristics:

Capacity: 600 - 1000 L

Warranty: 5 years

Insulation:
- Soft insulation with polyester + PVC: Fire retardant class B2 (DIN 4102)
- Hard insulation:
- Polyurethane foam + PVC for 600/800/100/1500/2000 litres capacity: Fire retardant class B3 (DIN 4102)
  Polyester (15mm) + polystyrene (85mm) + PVC for 1250 litres capacity: Fire retardant class B2 (DIN 4102)
- Pressure Equipment Directive (PED) 2014/68/UE Art. 4 Para 3
- Italian MOH specifications (products suitable to contain potable water)
- Energy related Products (Erp) Directive 2009/125/CE

Code	Product	Dimensions (mm)				Insulation (mm)	Exchanger (Mq)			DHW Heat exchanger		Weight: (Kg)
		Ø	H	Ø Est*	R		Lower	Upper	DHW Inox	m2 (Lt)	DHW Contt. drawo di ACS* (Lt/h)	
2.4.4.23	**600 LT**	650	1895	750	2050*	50	2,50	1,80	36,0	5,5 (31,9)	1149	175
2.4.4.24	**800 LT**	790	1750	990/1050	1745	100	2,50	2,00	7,00	7,0 (40,6)	1651	212
2.4.4.27	**1000 LT**	790	2110	990/1050	2095	100	3,50	2,50	7,50	7,5 (43,5)	1824	253

* For the 600 litres model, the tilt height refers to the insulated cylinder. ** The insulation is removable except for the 600 litres model.

Code	Dimensions (mm)					Connections (gas)		
	A	B	D	G	L	e	iu	d c m n p v w z
2.4.4.23	135	235	700	1270	1630	1/2"	1"1/4	1"1/2
2.4.4.24	170	275	655	1145	1410	1/2"	1"1/4	1"1/2
2.4.4.27	170	275	810	1355	1755	1/2"	1"1/4	1"1/2

Code	Lower heat ecxhanger performance Descrizione					Upper heat exchanger performance				
	m^2 (Lt)	POWER (kW) ΔT* 10° C	ΔT* 15° C	ΔT* 20° C	ΔT* 25° C	m^2 (Lt)	POWER (kW) ΔT* 10° C	ΔT* 15° C	ΔT* 20° C	ΔT* 25° C
2.4.4.23	2,5 (17,8)	16,0	24,0	32,0	40,0	1,8 (12,8)	11,5	17,3	23,0	28,8
2.4.4.24	2,5 (17,8)	16,0	24,0	32,0	40,0	2,0 (14,2)	12,8	19,2	25,6	32,0
2.4.4.27	3,5 (24,9)	22,4	33,6	44,8	56,0	2,5 (17,8)	16,0	24,0	32,0	40,0

* ΔT: difference between the average temperature of the heating fluid (inside the heat exchanger) and the average temperature of the heated fluid (internal to the buffer in the area affected by the coil)

Code	2.4.4.23	2.4.4.24	2.4.4.27
DHW Heat exchanger m^2 (L)	5,5 (27,5)	7,0 (35,0)	7,5 (37,5)
DHW Power and flow rate (from 10 to 45°C) in continuos draw at different primary side temperature			
Primary a 55° C Kw (Lt/h)	31,8 (744)	45,7 (1069)	50,5 (1182)
Primary a 65° C Kw (Lt/h)	49,1 (1207)	70,6 (1733)	78,0 (1917)
Primary a 75° C Kw (Lt/h)	57,5 (1412)	82,5 (2028)	91,3 (2242)
DHW* producible with a 10 L/min flow rate from a totally heated buffer and a not running heat source			
Buffer at 55° C Kw (Lt/h)	170	265	352
Buffer at 65° C Kw (Lt/h)	232	357	476
Buffer at 75° C Kw (Lt/h)	441	564	701
DHW* producible with a 20 L/min flow rate from a totally heated buffer and a not running heat source			
Buffer at 55° C Kw (Lt/h)	115	170	221
Buffer at 65° C Kw (Lt/h)	157	248	331
Buffer at 75° C Kw (Lt/h)	263	376	486
DHW* producible with a 10 L/min flow rate, from a buffer heated only on the upper part and a not running heat source			
Buffer at 55° C Kw (Lt/h)	107	166	217
Buffer at 65° C Kw (Lt/h)	146	224	293
Buffer at 75° C Kw (Lt/h)	278	353	432
DHW* producible with a 20 L/min flow rate, from a buffer heated only on the upper part and a not running heat source			
Buffer at 55° C Kw (Lt/h)	73	106	136
Buffer at 65° C Kw (Lt/h)	99	155	331
Buffer at 75° C Kw (Lt/h)	166	235	486
NL**	2,1	3,2	4,0

* from 10 to 45 °C
** Buffer at 70 °C, DHW from 10 to 45° C

Select an hydraulic accessory - required

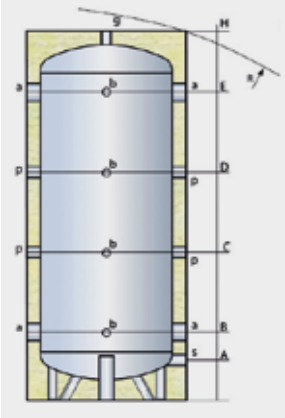
Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Accessories - optional

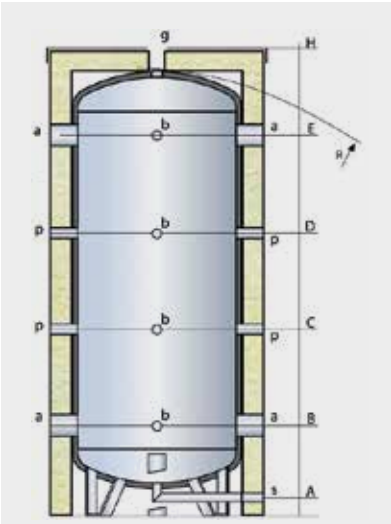
Code	Description
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 3Ph 400V

Heating & cooling buffer tank





Polyurethane insulation rigid and PVC coated



Anti-condensation insulation in PEXL + flexible polyester and PVC coating

Thermal buffer tank for the storage of both hot and cold process water, fitted with large-diameter connections to allow high flow rates. Suitable for heat pump systems.
Insulated with thermal insulation.

a. System Inlet/Outlet
b. Control instruments
g. Vent / safety valve
p. Free connection
s. Drain

Tank:
Material: S 235 Jr
Treat. internal protective: Raw
Treat. external protective: Painted with anti-rust and industrial enamel
Operation (P max. / T max.): 6 bar / -10°C to +95°C Capacity: 200/500 L - 800/1000 L - 1500 L

TECHNICAL FEATURES:

Warranty: 5 years Insulation:

- From 200 to 1000 L: 50 mm thick polyurethane foam + PVC: Fire retardant class B3 (DIN 4102)
- From 1500 to 2000 L: PEXL + soft polyester + PVC: Fire retardant class B2 (DIN 4102)
- Pressure Equipment Directive (PED) 2014/68/UE Art. 4 Para 3
- Energy related Products (Erp) Directive 2009/125/CE

Code	Product	Insulation thick(mm)	Heat loss s (w)	Real capacity (L)	Dimensions (mm) Ø	H	Ø Est*	R*	Weight: (Kg)
2.4.4.29	**100 LT**	50	46,0	97,0	400	915	500	1055	31
2.4.4.1	**200 LT**	50	58,9	189,3	450	1330	550	1450	33
2.4.4.2	**300 LT**	50	68,1	289,8	500	1610	600	1730	42
2.4.4.3	**500 LT**	50	80,5	499,8	650	1665	750	1840	68
2.4.4.4	**800 LT**	50	117,5	749,3	790	1700	890	1930	86
2.4.4.5	**1000 LT**	50	130,4	931,0	790	2060	890	2255	102
2.4.4.17	**1500 LT**	10	163,8	1472,4	1000	2145	1280	2235	147

* For capacities from 100 to 1000 litres, the tilt height refers to the industrial cylinder - * The insulation is not removable expect for models from 1500 to 5000 litres (only the soft poly ester insulation is removable)

Code	Dimensions (mm) A	B	C	D	E	Connections (gas) a	b	g	p	s
2.4.4.29	105	210	380	545	710	1"1/2	1/2"	1"1/4	1"1/2	1"
2.4.4.1	135	20	510	805	1095	1"1/2	1/2"	1"1/4	1"1/2	1"
2.4.4.2	125	275	625	975	1320	2"	1/2"	1"1/4	1"1/2	1"
2.4.4.3	155	305	655	1005	1350	3"	1/2"	1"1/4	1"1/2	1"
2.4.4.4	170	320	670	1020	1365	3"	1/2"	1"1/4	1"1/2	1"
2.4.4.5	170	320	785	1250	1710	3"	1/2"	1"1/4	1"1/2	1"
2.4.4.17	110	485	915	1350	1780	3"	1/2"	1"1/4	1"1/2	1"

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Wahlweise

Code	Description
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 3Ph 400V

DHW Boiler
enameled boiler

DHW Boiler

Code	Description	Note	Price
2.4.4.16	200 L DHW - enameled boiler		1.394,00 €
2.4.4.6	300 L DHW - enameled boiler		1.840,00 €
2.4.4.13	400 L DHW - enameled boiler		2.338,00 €
2.4.4.7	500 L DHW - enameled boiler		2.392,00 €
2.4.4.33	600 L DHW - enameled boiler		2.920,00 €
2.4.4.8	800 L DHW - enameled boiler		3.689,00 €
2.4.4.9	10000 L DHW - enameled boiler		4.046,00 €

Hydraulic accessory - required

Code	Description	Note	Price
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank	15,00 €
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L	15,00 €

Accessories - optional

Code	Description	Note	Price
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V		450,00 €
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V		580,00 €

Bi Puffer

Bi Puffer

Code	Description	Note	Price
2.4.4.47	200/42 L Bi-Puffer		2.015,00 €
2.4.4.72	270/80 L Bi-Puffer		2.975,00 €
2.4.4.43	400/100 L Bi-Puffer		3.400,00 €
2.4.4.18	500/140 L Bi-Puffer		3.469,00 €

Select an hydraulic accessory - required

Code	Description	Note	Price
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank	15,00 €
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L	15,00 €

Accessories - optional

Code	Description	Note	Price
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V		450,00 €
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V		580,00 €

Smart Buffer Tank

with instant DHW production

SMART - Pufferspeicher

Code	Description	Note
2.4.4.21	300 L Buffer Tank	
2.4.4.22	400 L Buffer Tank	
2.4.4.42	300 L Buffer Tank with 1 coil	
2.4.4.40	400 L Buffer Tank with 1 coil	

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Accessories - optional

Code	Description	Note
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V	
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V	

Maxi Buffer Tank

with instant DHW production

Maxi Buffer Tank

Code	Description	Note
2.4.4.23	600 L Buffer Tank	
2.4.4.24	800 L Buffer Tank	
2.4.4.27	1000 L Buffer Tank	
2.4.4.30	600 L Buffer Tank with 1 coil	

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Accessories - optional

Code	Description	Note
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V	
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V	

Buffer Tank

Heating & Cooling

Buffer Tank

Code	Description	Note
2.4.4.29	100 L heating/cooling Buffer Tank	
2.4.4.1	200 L heating/cooling Buffer Tank	
2.4.4.2	300 L heating/cooling Buffer Tank	
2.4.4.3	500 L heating/cooling Buffer Tank	
2.4.4.4	800 L heating/cooling Buffer Tank	
2.4.4.5	1000 L heating/cooling Buffer Tank	
2.4.4.17	1500 L heating/cooling Buffer Tank	

Select an hydraulic accessory - required

Code	Description	Note
2.4.4.60	30 cm probe housing	Mandatory with or without the purchase of a buffer tank
2.4.4.69	20 cm probe housing	Mandatory with the purchase of a buffer tank smaller than 500 L

Accessories - optional

Code	Description	Note
2.4.4.10	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V	
2.4.4.11	INOX Heat Exchanger for Buffer tank - 3KW 1Ph 230V	

Accessories

Circulator Kit

Code	Description	Note
4.10.1.1	Circulator Kit Wilo Para 8	
4.10.1.3	Circulator Kit Wilo Para 9	
4.10.1.9	Circulator Kit - Templari Ekos GPA 20-9H PRO/130	
4.10.1.7	Circulator Kit - Templari Ekos GPA 25-13H PRO/180	
4.10.1.8	CIRCULATOR KIT - TEMPLARI EKOS GPA 32-17H PRO/180	

3 Way Valve

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + machined motor)	
2.4.2.28	3-Way Motorized Valve TMO XL 40E SPDT	

Dirt-separator

Code	Description	Note
2.4.2.20	Caleffi dirt separator 1''1/4 M - 1''1/4M	
2.4.2.23	DF Magnum G1 in-line dirt separator	

ACCESSORIES
CIRCULATION GROUPS

Templari
HEAT PUMPS

Circulation Groups







Circulation groups:

Circulations groups are suitable for the regulation and distribution of the heat transfer fluid in multi-zone heating and cooling systems. multi-zone. They are generally installed in the heating plant, after the boiler/heat pump and the hydraulic separator and are mounted on the distribution manifolds.
All units are complete with ball shut-off valves with built-in thermometer with 0-80 °C scale, connections for probe holders, high-efficiency circulator, pipework with non-return valve and PE insulation shell.

Direct circulation group:
These units are designed to directly relaunch the heat transfer fluid (hot or cold water) without mixing.hot or cold water) without mixing. They are ideal for applications where it is necessary to maintain a constant and uniform temperature. Some examples of use include:

- Heating: Uniform heat distribution in underfloor heating systems or radiators.
- Cooling: Uniform cooling distribution in underfloor cooling systems or fan coils floor or fan coils.

Mixing circulation group:
These units are equipped with a mixing valve to regulate the temperature of the heat transfer fluid by mixing hot and cold water. They are ideal for applications where it is necessary to control the temperature of the fluid precisely. Some examples of use include:

- Heating: Precise temperature control in underfloor heating systems or radiators.
- Cooling: Precise temperature control in underfloor cooling systems or fan coils.

Both types of circulation groups improve the energy efficiency and comfort of heating and cooling systems.

Code	Description	Note
2.4.6.1	Mixing circulation group	
2.4.6.8	Direct circulation group	
2.4.6.3	Collector group 2 relays	
2.4.6.4	Electric Actuator 230 V supply voltage 3-point	
2.4.6.5	Proportional Electric Actuator 24V supply voltage (0-10V)	
2.4.6.6	Collector group 3 relays	
2.4.6.7	Collector group 4 relays	
4.5.7.2	Direct circulation group DN25 including circulator Wilo Para 8	
4.5.7.3	Mixing circulation group DN25 including circulator Wilo Para 8	
4.5.7.4	Direct circulation group DN25 including circulator Wilo Para 9	
4.5.7.5	Mixing circulation group DN25 including circulator Wilo Para 9	

Notes

Notes


Templari
HEAT PUMPS

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Templari S.p.a.
Via C. Battisti, 169 - 35031 Abano Terme (PD) - Italia
Tel. +39 049 8597400 | info@templari.com
www.templari.com

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