



Templari

HEAT PUMPS

**INDUSTRIAL HEATING AND
AIR CONDITIONING**

Technology
Made in Italy





Templari S.p.A. was founded in 2006 by Gianluca and Massimo Masiero, two brothers united by a passion for technological innovation and the will to build a company that would make a difference in the world of climate comfort. For this reason, Templari is dedicated to offering advanced system solutions with new-generation heat pump technology.

The company's main objective is to minimize environmental impact by combining innovation with respect for nature. The heart of the company lies in its **Research and Development** (R&D) department, where excellent products such as the KITA lines are created — innovative air-to-water heat pumps, designed and engineered in Italy.

After an initial experience in the residential sector, Templari also expanded into the industrial field, giving rise to KITA AIR.

KITA AIR is an air-to-air heat pump designed for large industrial spaces. Powerful, high-performing even at temperatures below -20°C , and increasingly refined in design and functionality.

WHEN TECHNOLOGY MEETS DESIGN





TECHNOLOGY, EFFICIENCY AND
SUPPORT: ALL MADE IN ITALY

KITA AIR

Technology Made in Italy
for the climate comfort
of today and tomorrow.

WHY CHOOSE TEMPLARI



Real energy efficiency

Compared to traditional gas generators, KITA Air reduces energy consumption and eliminates direct emissions into the atmosphere, with a COP of up to 4.91 under the most favourable conditions.



EVI technology and patented defrost

Enhanced Vapour Injection technology extends the machine's operating range, ensuring power and reliability even at outdoor temperatures down to -25°C. The intelligent defrost system, patented by Templari, minimises defrost cycles, keeping efficiency high even during the coldest months.



Quiet operation

The latest-generation EBM-PAPST fan ensures extremely quiet operation, an aspect increasingly required in industrial and commercial settings.



R&D Made in Italy

Every component of KITA Air comes from Templari's R&D department, as part of a continuous innovation process that has taken the company from the residential sector to increasingly high-performing solutions for industry.



Support and service network

A direct technical support service and a network of qualified partners throughout the region accompany the customer from design to maintenance over time.



Build quality designed for industry

The structure and components of the outdoor unit are designed to withstand the harshest outdoor and industrial conditions: anti-corrosion treatments, oversized components and anti-vibration suspensions ensure long-term reliability, even under intensive multi-shift use.

KITA AIR

Air/air heat pump
for industrial spaces



TECHNICAL FEATURES

Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	14,2 kW (AIR) 16 kW (COLD)
Thermal breaker:	4 X 25 A (AIR) 4 x 32 A (COLD)
Operating temperature:	Winter heating -25°C / 28°C Summer conditioning 5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Inverter typology: Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A Maximum speed: 640 rps Maximum air flow: 17203 m³/h
Noise:	External sound pressure (distance 5 mt): 38 dB(A)
Dimensions (HxLxP):	1257 x 1791 x 641 mm
Weight:	285 Kg
Refrigerant:	R32 - Q.ty 7,4 Kg
Coolant connections:	External diameter GAS: 22 mm (7/8") Liquid: 16 mm (5/8")
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Lug spacing: 2,5 mm Hydrophilic coating
SCOP average climate:	5,15 (AIR) 5,04 (COLD)
Prated average climate:	36,17 (AIR) 39,57 (COLD)
ETAs average climate:	203% (AIR) 198,6% (COLD)



Summer
conditioning



Winter
heating



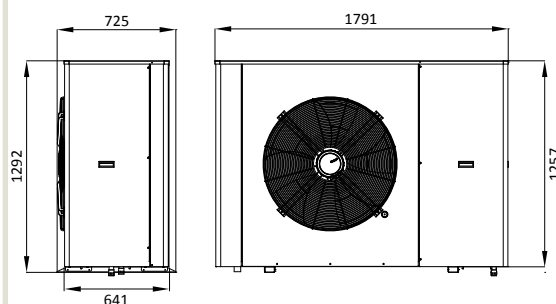
Remote
monitoring



Photovoltaic
integration



Easy to install



MODEL	Heating												Cooling	
	A 12°C / A 20° C		A 7°C / A 20° C		A 2°C / A 20° C		A -7°C / A 20° C		A -15°C / A 20° C		A -20°C / A 20° C		A 35°C / A 27° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER
	kW		kW		kW		kW		kW		kW		kW	
KITA AIR	39,00	4,70	39,00	4,45	35,00	3,75	32,00	3,20	32,00	2,70	27,00	2,50	35,00	4,02
KITA AIR COLD	40,00	4,63	40,00	4,36	35,00	4,00	35,00	3,10	35,00	2,60	30,00	2,35	37,00	4,20

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

KITA AIR PLUS

Air/air heat pump
for industrial spaces



TECHNICAL FEATURES

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 conditioning 5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Inverter typology: Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A Maximum speed: 640 rps Maximum air flow: 18040 m³/h
Noise:	External sound pressure (distance 5 mt): 38 dB(A)
Dimensions (HxLxP):	1414 x 2021 x 956 mm
Weight:	370 Kg
Refrigerant:	R32 - Q.ty 7,4 Kg
Coolant connections:	External 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 Lug spacing: 2,5 mm Hydrophilic coating
SCOP average climate:	5,17
Prated average climate:	47,48
ETAs average climate:	204%



Summer
conditioning



Winter
heating



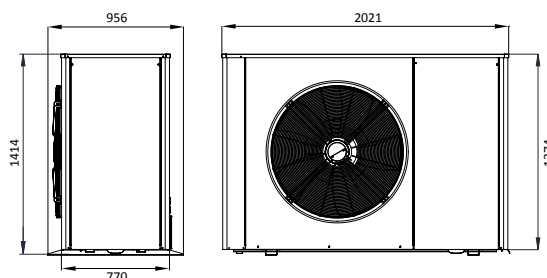
Remote
monitoring



Photovoltaic
integration



Easy to install



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	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

NEW FOR 2026

KITA AIR PREMIUM

Air/air heat pump
for industrial spaces



TECHNICAL FEATURES

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 conditioning 5°C / 45°C
Compressor:	Inverter steam injection scroll
External fan:	Inverter typology: Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A Maximum speed: 640 rps Maximum air flow: 18040 m³/h
Dimensions (HxLxP):	1414 x 2021 x 956 mm
Weight:	370 Kg
Refrigerant:	R32 - Q.ty 7,4 Kg
Coolant connections:	External diameter GAS: 22 mm (7/8") Liquid: 16 mm (5/8")
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Lug spacing: 2,5 mm Hydrophilic coating



Summer
conditioning



Winter
heating



Remote
monitoring



Photovoltaic
integration



Easy to install

BUILT TO NEVER STOP

Choose a unit that runs all winter long without interruption

EFFICIENCY 1.39 TIMES THE LEGAL MINIMUM

µs 190.6% versus 137% under Regulation (EU) 2016/2281

TYPICAL APPLICATIONS



Industrial
warehouses



Warehouses and
logistics centers

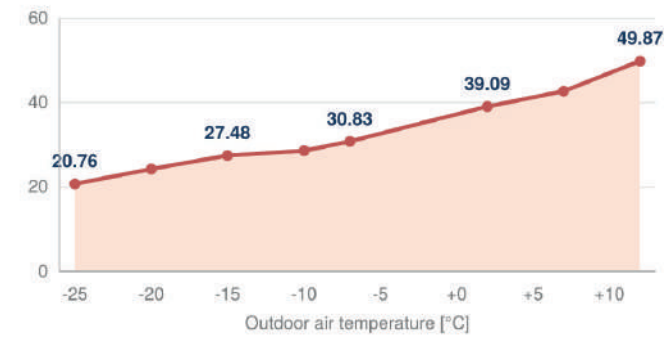


Gyms and
multipurpose
halls

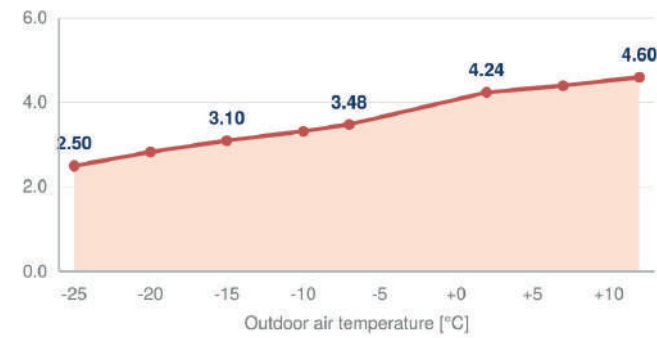


Retail spaces
and
showrooms

Heating capacity [kW] — EN 14511-2



COP [-] — EN 14511-2



CONSTRUCTION

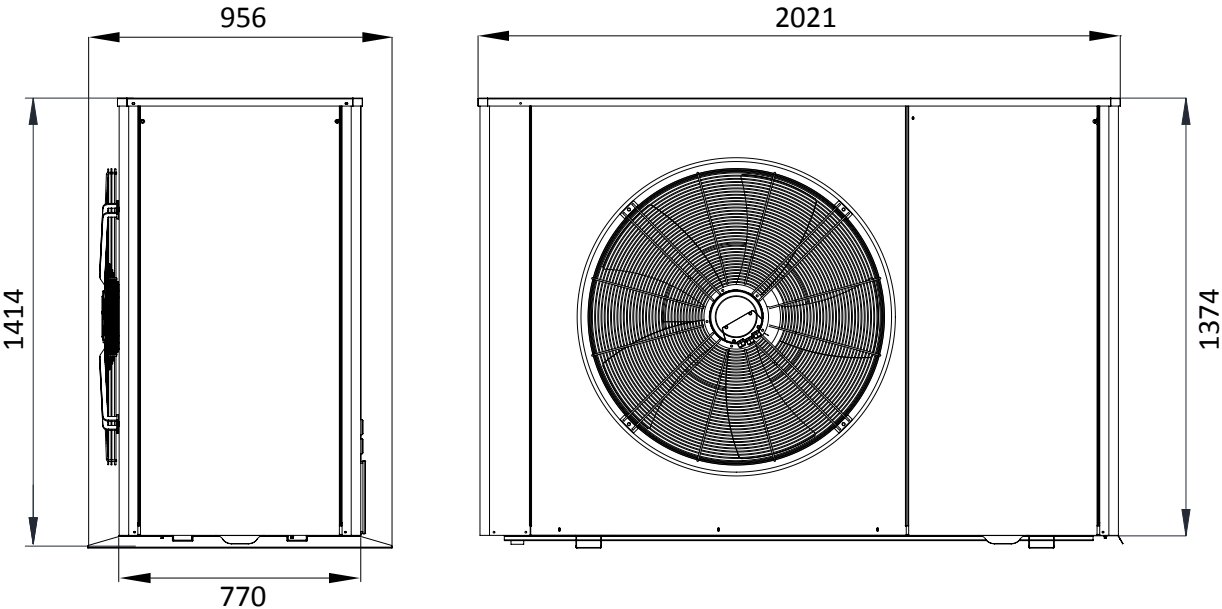
Compressor:	Scroll Inverter AVB66
Vapor injection:	Yes, dual electronic valve
Liquid separator:	4,4 L
Liquid receiver:	3,6 L
Compressor box:	Sheet metal
Defrost cycles:	Reduced
Refrigerant:	R32

ERP SUMMARY DATA

SCOP average climate:	4,84
Prated average climate:	34,85 kW
ETAs average climate:	190,6%
Bivalent temperature Tbiv	-7°C
Operating limit temperature TOL	-10°C
Annual consumption Q _{HE} :	16.703 kWh
Max sound power:	70/71 dB(A)
Power control:	Variabile
Supplementary heater:	Not provided

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	
	Q _h	COP	Q _h	COP	Q _h	COP	Q _h	COP	Q _h	COP	Q _h	COP	Q _c	EER
	kW		kW		kW		kW		kW		kW		kW	
KITA AIR PREMIUM	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

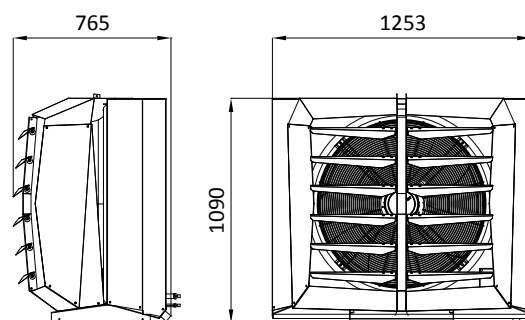
Q_h= Thermal capacity COP= Coefficient of performance Q_c= Cooling capacity EER= Cooling efficiency



INDOOR UNIT SPLIT

TECHNICAL FEATURES

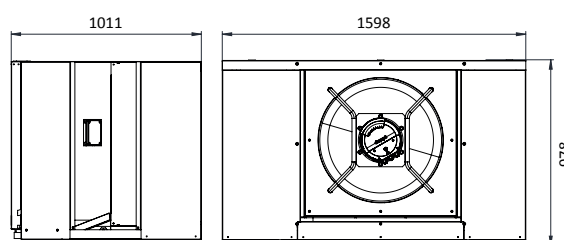
Type:	Inverter BLDC
Nominal diameter:	800 mm
Maximum power consumption:	0,835 kW
Max current:	1,4 A
Maximum speed:	770 rpm
Minimum air flow:	5800 m ³ /h
Maximum air flow:	14000 m ³ /h
Throw distance:	25 m
Noise (distance 3 meters):	External sound pressure 42 dB(A)
Dimensions (HxLxP):	1090 x 1253 x 765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



INDOOR UNIT DUCTED

TECHNICAL FEATURES

Type:	Inverter BLDC
Nominal diameter:	630 mm
Maximum power consumption:	1,4 kW
Max current:	2 A
Minimum airflow with filter:	9.338 m ³
Maximum airflow with filter:	11.178 m ³
Maximum speed:	1000 rpm
Minimum air flow (internal battery only):	14000 m ³ /h
Residual pressure at nominal point (machine only):	380 Pa
Nominal air flow (machine only):	11000 Nm ³ /h
Residual pressure:	230 Pa
Nominal air flow with filter:	9300 Nm ³ /h
Residual pressure at nominal point with filter:	180 Pa
Noise (distance 3 meters):	External sound pressure 55 dB(A)
Dimensions (HxLxP):	978 x 1598 x 1011 mm
Weight:	280 Kg
External heat exchangers:	Lug spacing: 1,6 mm



REMOTE CONTROL

Industrial comfort,
control without limits



K-Touch and Multi-Air

The **K-Touch** panel is the touchscreen display that allows you to manage every parameter of the system: temperatures, operating modes, weekly scheduling and diagnostics.

With the **Multi-Air** panel, you can instead connect up to 15 machines and manage them from a single interface.

Thanks to the Easy Access function, the panel can also be controlled from a smartphone or PC, wherever you are, without complex configurations.

HCC

The software that optimises consumption and comfort

HCC is the system that manages the entire plant via the Modbus RTU protocol, a robust standard universally recognised in the industrial and automation world.

It allows you to:

- schedule the system on a weekly basis with ECO, DAY and NIGHT profiles;
- monitor consumption and the heat pump's COP in real time;
- manage multiple spaces and zones independently; receive remote support thanks to the panel's internet connection.



EASE OF USE, CONSTANT
MONITORING AND
SUPPORT ALWAYS AT
HAND.

WE WORK FOR YOU,
WHEREVER YOU ARE.

DESIGN FREEDOM

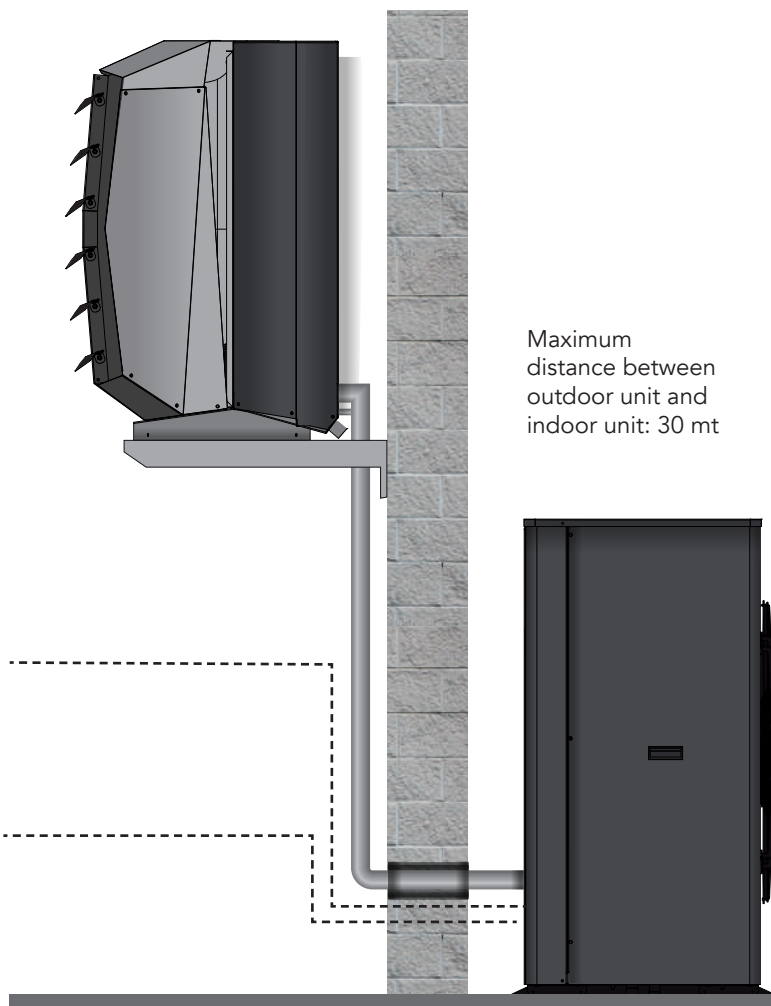
CONNECTION AND CONTROL

The outdoor unit can be connected to the indoor unit up to a distance of 30 metres, ensuring great freedom in system design. Control adapts to the size of the project: from a panel dedicated to a single machine, to centralised supervision of large multi-unit systems.

K-Touch 7"
Control of a
single machine



Multi-Air 15,6"
Centralised control
for up to
15 machines



WHERE TO INSTALL KITA AIR

INSTALLATION FLEXIBILITY
TO SUIT YOUR SPACE

Roof installation

Maximum discretion, zero floor footprint

For those wanting minimal visual impact or needing to completely free up perimeter areas, KITA Air can also be installed on the roof, with a dedicated electrical panel designed for this configuration.

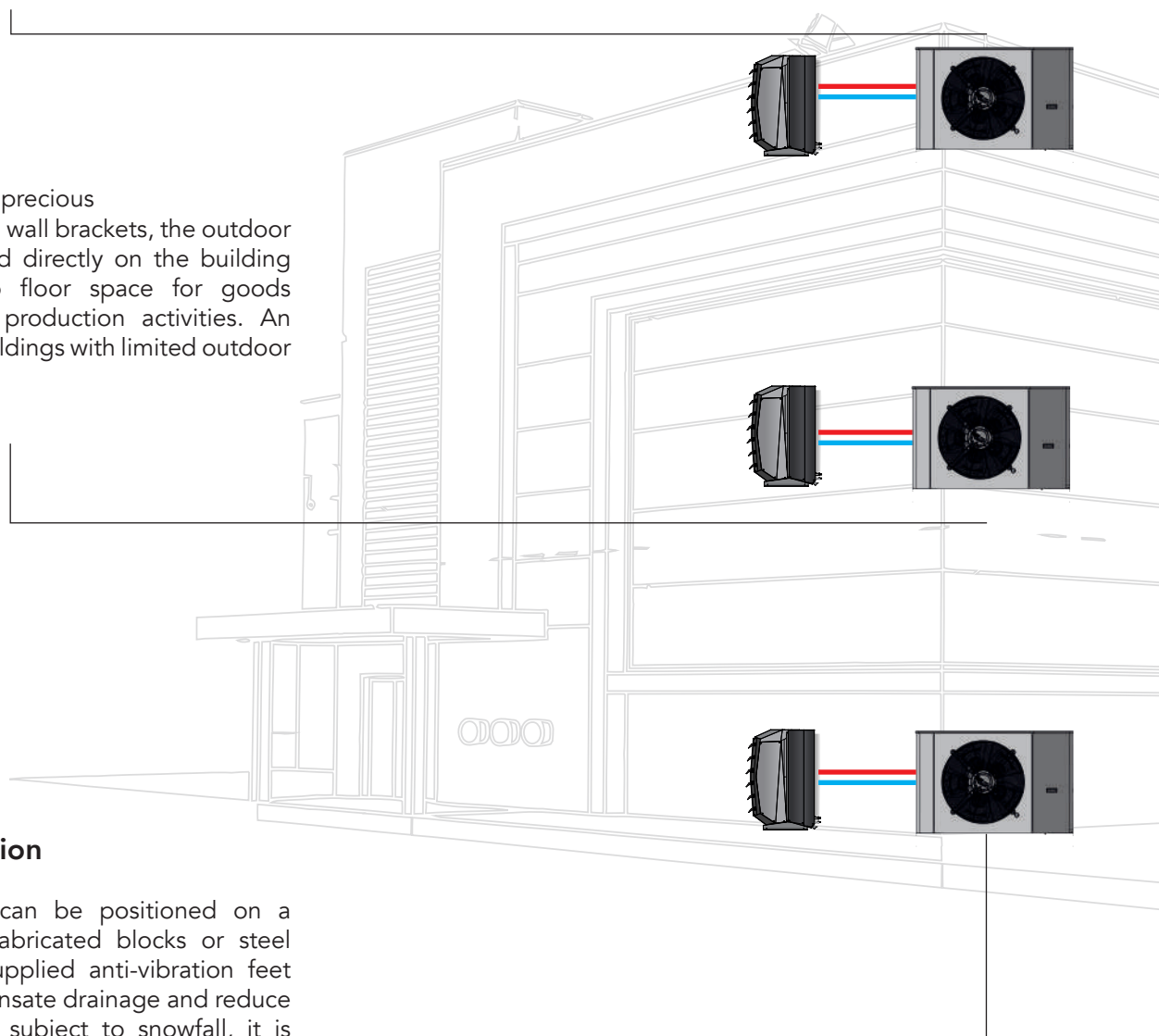
Wall installation

When floor space is precious

Thanks to dedicated wall brackets, the outdoor unit can be installed directly on the building façade, freeing up floor space for goods handling or other production activities. An ideal solution for buildings with limited outdoor perimeters.

Ground installation

The outdoor unit can be positioned on a concrete slab, prefabricated blocks or steel beams, with the supplied anti-vibration feet that promote condensate drainage and reduce vibrations. In areas subject to snowfall, it is sufficient to raise the machine off the ground to avoid obstruction of the intake area.





Enter the Templari world

Templari S.p.A.

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