



KITA  **AIR**

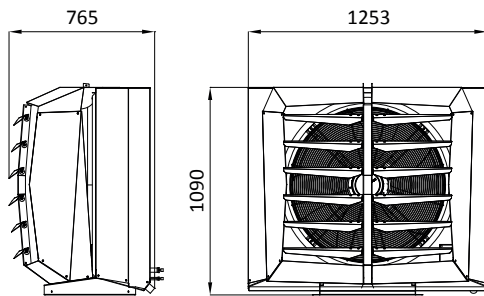
AIR/AIR Version - *INVERTER*

Industrial
Heating
and Cooling

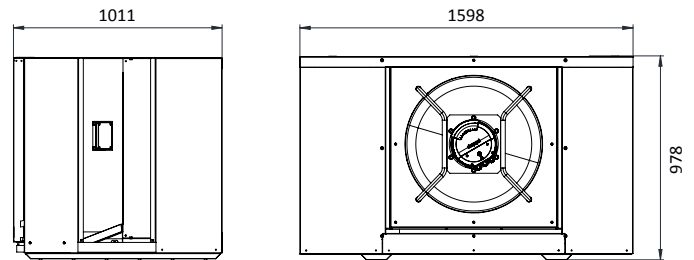
 **TEMPLARI**
THE HEAT PUMP

KITA AIR / AIR COLD / AIR PLUS

Indoor unit

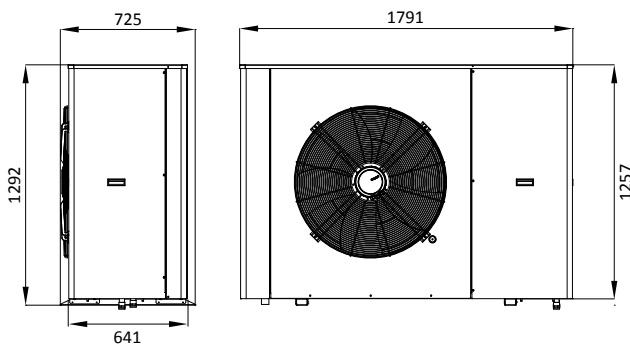


Ducted indoor unit



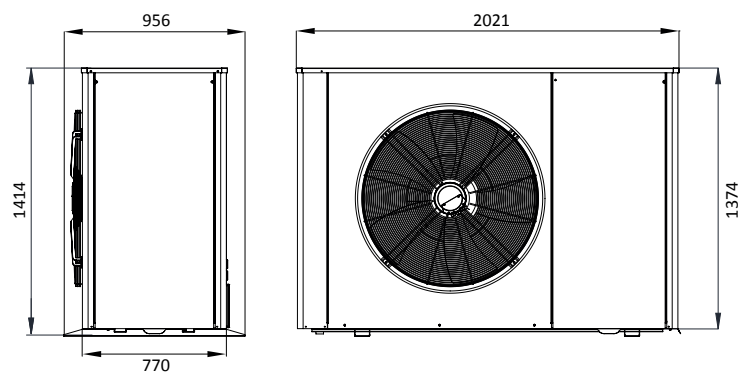
KITA AIR / AIR COLD

Outdoor Unit



KITA AIR PLUS

Outdoor Unit



INDUSTRIAL AIR-TO-AIR HEAT PUMPS



KITA AIR

KITA AIR PLUS

KITA AIR COLD

Industrial sector

Condition 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



Commercial spaces

Advantages



Remote monitoring



Ease of installation

KITA AIR

AIR/AIR Version - INVERTER

Equipped with a compressor that develops up to 50 thermal kW, they have high efficiencies and optimal performance.

The outdoor unit is combined via the R32 gas line with an indoor unit with the function of a highly silent unit heater capable of completely transferring the generated power.

By avoiding the heat exchange with water, these units eliminate the particularly felt problem of the risk of ice during the coldest winter periods, typical of air/water systems.

In harmony with Templari's philosophy, the generous sizing of the indoor unit allows for maximum efficiency and maximum comfort to be obtained in all conditions, especially in terms of extremely limited acoustic impact, thanks to the use of a special low-energy inverter fan with a small number of laps.

To be able to satisfy even the needs of specific activities in which the direct air intake could create discomfort for the workers and the activity carried out internally, the new ducted internal unit was created: it can be perfectly integrated with the most modern piping systems for air transmission.

Kita Air is also fully remotely controllable, thanks to the touch display available in several versions.



INSTALLATION EXAMPLE



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

Maximum distance between outdoor unit and indoor unit

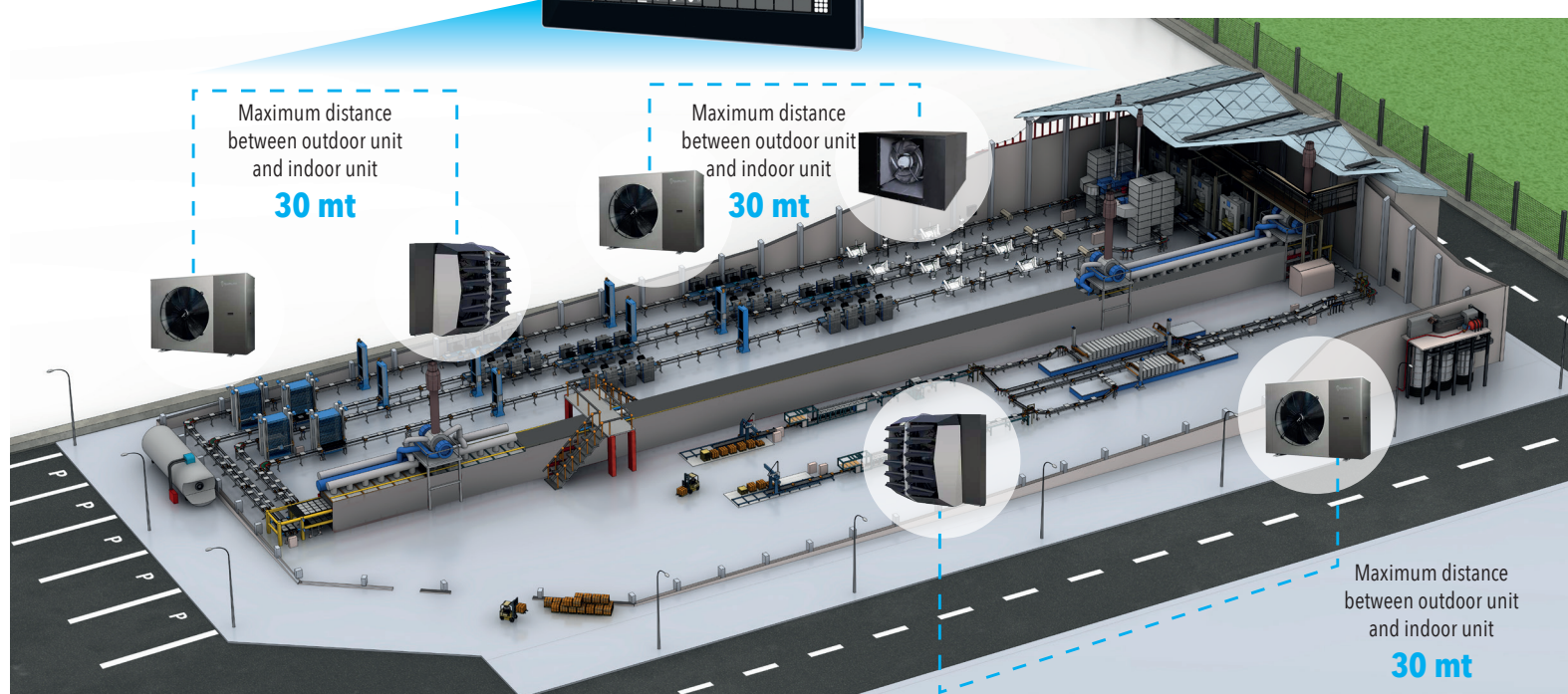
30 mt

Maximum distance between outdoor unit and indoor unit

30 mt

Maximum distance between outdoor unit and indoor unit

30 mt





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	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
KITA AIR Plus 4.3.2.2	50,00	4,38	46,70	4,03	44,90	3,72	42,10	2,92	38,80	2,34	33,20	2,12	42,00	4,49

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



OUTDOOR UNIT

Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	12 Kw (KITA AIR - KITA AIR COLD) 16 Kw (KITA AIR Plus)
Max Current:	24 A (KITA AIR) 35 A (KITA AIR COLD - KITA AIR Plus)
Operating temperature:	Winter heating -33°C / 35°C Summer conditioning -10°C / 50°C
Compressor:	Inverter steam injection scroll Oil: FV505
External fan:	Inverter typology: BLDC Nominal diameter: 910 mm Maximum power consumption: 0,625 kW Max current: 1,1 A (3Ph) Maximum speed: 610 rps Maximum air flow: Nm ³ /h 15000
Outdoor unit noise:	External sound pressure (distance 5 mt): 38 dB(A)
Outdoor unit dimensions (HxLxP):	1257 x 1791 x 641 mm (KITA AIR - KITA AIR COLD) 1414 x 2021 x 956 mm (KITA AIR PLUS)
Refrigerant:	R32 - Q.ty 7,4
Coolant connections Ø:	GAS: 28 mm (1 1/4") Liquid: 16 mm (5/16") Ømm
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Lug spacing: 2.5 mm Hydrophilic coating



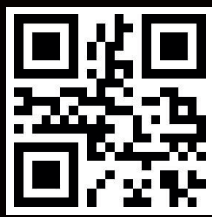
INDOOR UNIT

Type:	Inverter BLDC
Nominal diameter:	800 mm
Maximum power consumption:	0,44 kW
Max current:	1,9 A (1Ph)
Maximum speed:	600 rpm
Max air flow:	6000 Nm ³ /h
Indoor unit noise (distance 3 meters):	External sound pressure 30dB(A)
Indoor unit dimensions (HxLxP):	1090 x 1253 x 765 mm
External heat exchangers:	No. of ranks 3 Lug spacing 1.8mm
Weight:	100 Kg



DUCTED INDOOR UNIT

Type:	Inverter BLDC
Nominal diameter:	630 mm
Maximum power consumption:	1,4 kW
Max current:	2 A
Maximum speed:	1000 rpm
Max air flow (only car):	13500 Nm ³ /h
Residual pressure:	380 Pa
Nominal air flow (machine+air duct):	9800 Nm ³ /h
Residual pressure:	230 Pa
Minimum air flow with filter:	8200 Nm ³ /h
Residual pressure:	180 Pa
Indoor unit dimensions (HxWxD):	978 x 1598 x 1011 mm
External heat exchangers:	No. of ranks 4 Lug spacing 1.5 mm
Weight:	208 Kg



Enter the world
of Templari



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