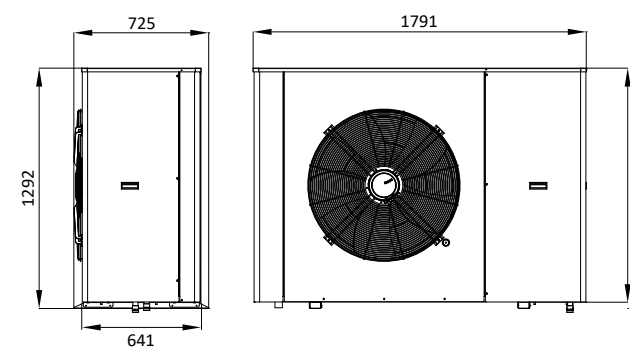




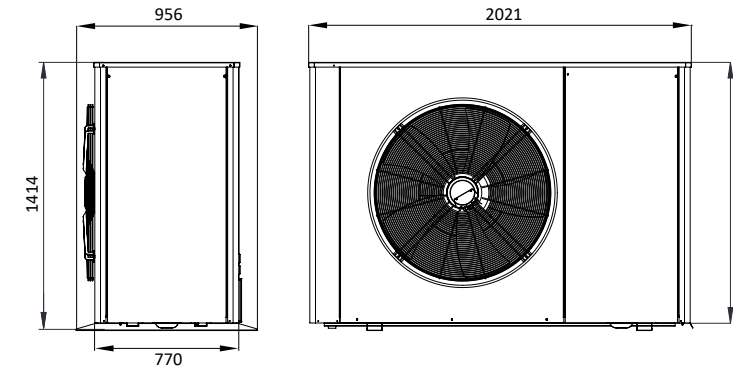
KITA AIR / AIR COLD

External unit



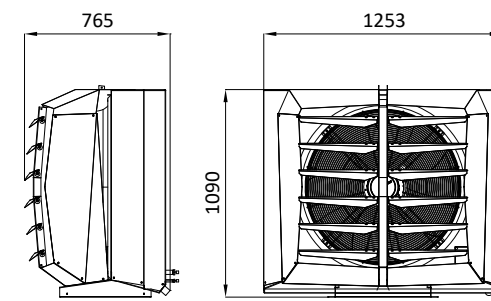
KITA AIR PLUS

External unit

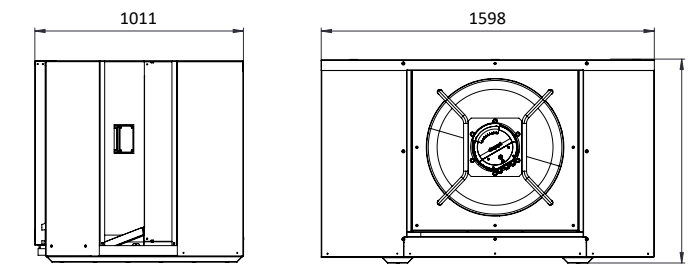


KITA AIR / AIR COLD / AIR PLUS

Internal unit



Ducted internal unit



Industrial Heating-Cooling **KITA** **AIR** **ErP**
AIR/AIR Version - INVERTER ready



via Pitagora, 20A - 35030 Rubano (PD) - Italia
Tel. +39 049 8597400 | info@templari.com
www.templari.com

Air-Air KITA

Air condition for big spaces with maximum efficiency

Kita-Air units are the best Air-to-Air solution to produce Heating and Cooling inside big internal space, for example warehouse, factory, workshops, gyms etc.

KITA Air allow to avoid the hydraulic circuit and the installation between indoor and outdoor units is simple, immediate and cheap. Thanks to high air moved is guaranteed the necessary air renovation and proper conditioning of inner spaces.

Kita Air is equipped with a compressor that develops up to 50 Kw, ensuring high efficiency and performance.

The outdoor unit is combined via a 410A gas line with an internal unit with a highly silent air-heater function that completely dissipates the transferred power. Without water exchange these units have very high performances and efficiency, and reduce ice formation problem during cold period.

In harmony with the philosophy of Templari products, the generous sizing of the internal unit allows to obtain the maximum efficiency and maximum comfort in any condition, particularly in terms of extremely limited noise impact, thanks to the use of a special low-speed inverter fan.

In addition, thanks to the external KITA unit, operation is guaranteed up to outside air temperatures of -30°C. In these types of structures generally conventional heating systems are used, such as air heaters, diesel or other fuels, which have high power consumption, low efficiency and can't cool and finally they are very noisy because they have obsolete traditional fans.



With 7” K-Touch panel.

Kita Air Inverter Technical data

TECHNICAL DATA				KITA AIR		KITA AIR Cold		KITA AIR Plus		
		Operating conditions		Me	Compressor load					
					Medio	Max.	Medio	Max.	Medio	Max.
Heating mode	External Air 12°C	Thermal power	kW	30,00	39,00	30,00	40,00	33,90	50,00	
	COP		5,64	4,55	5,75	4,63	5,77	4,38		
	External Air 7°C	Thermal power	kW	26,50	39,00	29,15	40,00	32,33	46,70	
	COP		5,40	4,34	5,30	4,36	5,31	4,03		
	External Air 2°C	Thermal power	kW	23,50	35,00	25,85	35,00	28,61	44,60	
	COP		5,00	3,69	4,87	4,00	4,91	3,81		
	External Air -7°C	Thermal power	kW	19,00	32,00	20,90	35,00	23,18	39,80	
	COP		4,00	3,15	3,89	3,10	3,89	3,25		
	External Air -15°C	Thermal power	kW	16,50	32,00	18,15	35,00	18,20	36,80	
	COP		3,20	2,67	3,12	2,60	2,84	2,38		
	External Air -20°C	Thermal power	kW	13,70	27,00	15,07	30,00	16,00	32,50	
	COP		2,50	2,41	2,43	2,35	2,54	2,13		
Cooling mode	External Air 35°C	Cooling power	kW	25,00	35,00	27,00	37,00/40,00*	33,60	46,00	
	EER		4,32	4,02	4,43	4,20	5,10	4,15		
	Power supply	Power supply	V/Ph/Hz	400/3/50						
Maximum input power		kW	13,3					16,7		
Working range (External air temperature)	Maximum current	A	30					40		
	Winter heating	Min ~ Max	-33°C ~ 35°C							
	Summer conditioning	Min ~ Max	-10°C ~ 50°C							
Compressor	Type	Scroll Inverter								
	Numer	1								
	Typology	Inverter Vapour Injection								
	Power supply	V-Ph-Hz	400-3-50							
	Oil quantity (PVE)	kg	2,2	2,3						
External fan	Oil version	FV50S								
	Model	EBM-PAPST								
	Type	Inverter BLDC								
	Numer	1								
	Nominal diameter	mm	910							
	Maximum input power	kW	0,625							
	Maximum current	A	1,1 (3Ph)							
	Maximum speed	rps	610							
	Maximum air flow	Nm³/h	15000							
	Noise	External max sound pressure at 5 Meters	dB(A)	38						
Dimensions	External unit (Hx WxD)	mm	1257 x 1791 x 641					1414 x 2021 x 956		
Refrigerant	Type	R410A								
	Quantity	kg	11					13		
Regolation	Main valve	EEV								
	Injection valve	EEV								
Refrigerant connections	Gas	Ø mm (inch)	28 (1 1/4")							
	Liquid	Ø mm (inch)	16 (5/16")							
Internal connectable unit n°		nr	1							
External heat xchanger	Number of ranks	nr	3							
	Fins distance	mm	2,5							
	Coating		Hydrophilic							

INTERNAL UNIT			
Internal fan	Model		EBM-PAPST
	Type		Inverter BLDC
	Numer		1
	Nominal diameter	mm	800
	Maximum input power	kW	0,44
	Maximum current	A	1,9 (1Ph)
Noise	Maximum speed	rpm	600
	Maximum air flow	Nm³/h	6000
Dimensions	Internal max sound pressure at 3 Meters	dB(A)	30
	Internal unit (HxWxD)	mm	1090 x 1253 x 765
Internal heat exchanger	Number of ranks	nr	3
	Fins distance	mm	1,8
Weight	Internal unit	kg	100

DUCTED INTERNAL UNIT			
Internal fan	Model		EBM-PAPST
	Type		Inverter BLDC
	Numer		1
	Nominal diameter	mm	630
	Maximum input power	kW	1,4
	Maximum current	A	2
Dimensions	Maximum speed	rpm	1000
	Maximum air flow	Nm³/h	13000
Internal heat exchanger	Internal unit (HxWxD)	mm	978 x 1598 x 1011
	Number of ranks	nr	4
Weight	Fins distance	mm	1,5
	Ducted	kg	208

* With booster kit (optional)

