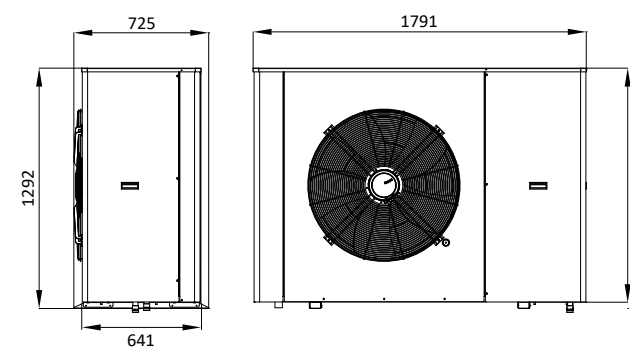




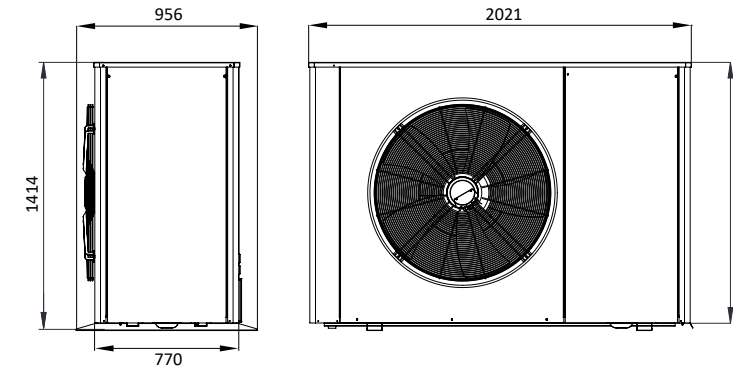
KITA AIR / AIR COLD

External unit



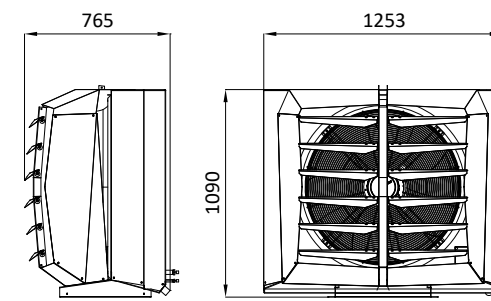
KITA AIR PLUS

External unit

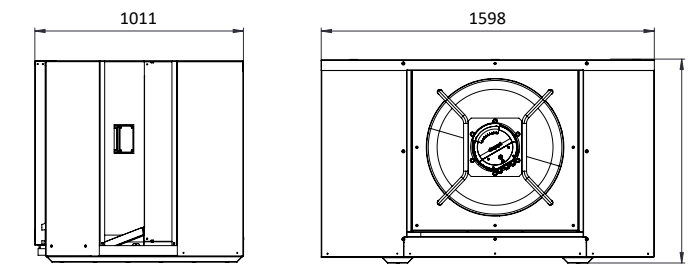


KITA AIR / AIR COLD / AIR PLUS

Internal unit



Ducted internal unit



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



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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	
Heating mode	Operating conditions		Me	Compressor load					
				Medio	Max.	Medio	Max.	Medio	Max.
	External Air 12°C	Thermal power	kW	30,00	39,00	30,00	40,00	33,90	50,00
	Internal Air 20°C	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
	Internal Air 20°C	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
	Internal Air 20°C	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
	Internal Air 20°C	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
	Internal Air 20°C	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
	Internal Air 20°C	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	33,60	46,00
	Internal Air 27°C	EER		4,32	4,02	4,43	4,20	5,10	4,15
	Power supply		V/Ph/Hz	400/3/50					
Power supply	Maximum input power		kW	13,3				16,7	
	Maximum current		A	30				40	
Working range (External air temperature)	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

