



KITA AIR

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

Air/air heat pump for air conditioning of industrial spaces



Kita Air 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 INDOOR UNIT



SPLIT



DUCTED



Advantages:



Energy
class



Heating



Cooling



Italian
technology



Photovoltaic
integration



Industrial
areas



Warehouses



Commercial
spaces



Remote
monitoring



Easy to
install



Front
ventilation



It does not
require a
hydraulic circuit



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 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

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OUTDOOR UNIT



Power supply:	V/Ph/Hz 400/3/50
Max power consumption:	14,2 Kw (KITA AIR) 16 kw (KITA AIR COLD)
Max Current:	30 A (KITA AIR) - 38 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:	Inverter typology: BLDC Nominal diameter: 910 mm Maximum power consumption: 0,700 kW Max current: 1,1 A (3Ph) Maximum speed: 640 rps Maximum air flow: 17.203 m³/h
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)
Refrigerant:	R32 - Q.ty 7,4
Coolant connections Ø:	GAS: 22 mm (1 1/4") - Liquid: 16 mm (5/8") Ømm
Number of connectable indoor units:	1
External heat exchangers:	No. of ranks: 3 Lug spacing: 2.5 mm Hydrophilic coating
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:	735 rpm
Minimum air flow:	5800 m³/h
Max air flow:	14000 m³/h
Throw distance:	25 m
Indoor unit noise (distance 3 meters):	External sound pressure 42dB(A)
Indoor unit dimensions (HxLxP):	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
Maximum speed:	1000 rpm
Minimum airflow with filter:	9.338m³
Maximum airflow with filter:	11.178m³
Max air flow (only machine):	14000m³/h
Residual pressure:	380 Pa
Nominal air flow (machine+air duct):	11000 m³/h
Residual pressure:	230 Pa
Minimum air flow with filter:	9300 m³/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

