

KITA LR Plus

High-efficiency reversible air-to-water



LR series heat pumps monoblock with Smart Injection Inverter Scroll compressor.

Smart Injection system with steam-injection Inverter Scroll compressor to ensure operation with maximum efficiency at outdoor temperatures below -20°C.

Full-Inverter operation: adapts the machine to the precise heat load requirements of the home, with savings over 30%.

KITA heat pumps are designed in Italy and integrate perfectly into both modern and classic buildings.

First-class electronics ensure total control over the operation of the machine, even remotely.

Kita is environmentally friendly as it doesn't rely on fossil fuels, providing heating and air conditioning without the need for an auxiliary boiler.



Advantages:



Energy class



Heating



Cooling



Domestic Hot Water



Italian technology



Photovoltaic integration



Villas



Condos



Remote monitoring



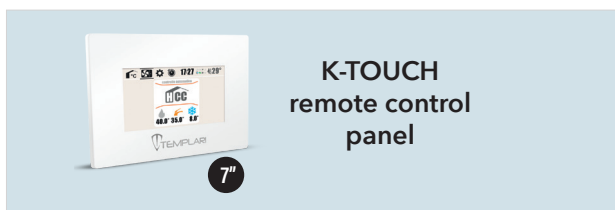
Easy to install



Max temperature



Front ventilation



K-TOUCH
remote control
panel

KITA LR-PLUS/R32

MODEL	Heating												DHW		Cooling			
	A 12°C / W 35° C		A 7°C / W 35° C		A 2°C / W 35° C		A -7°C / W 35° C		A -15°C / W 35° C		A -20°C / W 35° C		A 2°C / W 55° C		A 35°C / W 7° C		A 35°C / W 18° C	
	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qh	COP	Qc	EER	Qc	EER
	kW		kW		kW		kW		kW		kW		kW		kW		kW	
LR Plus 4.15.3	51,00	5,02	48,67	4,58	45,59	4,01	41,95	3,37	34,69	2,83	31,05	2,53	42,55	2,43	45,45	2,65	55,83	3,51

KITA LR Plus

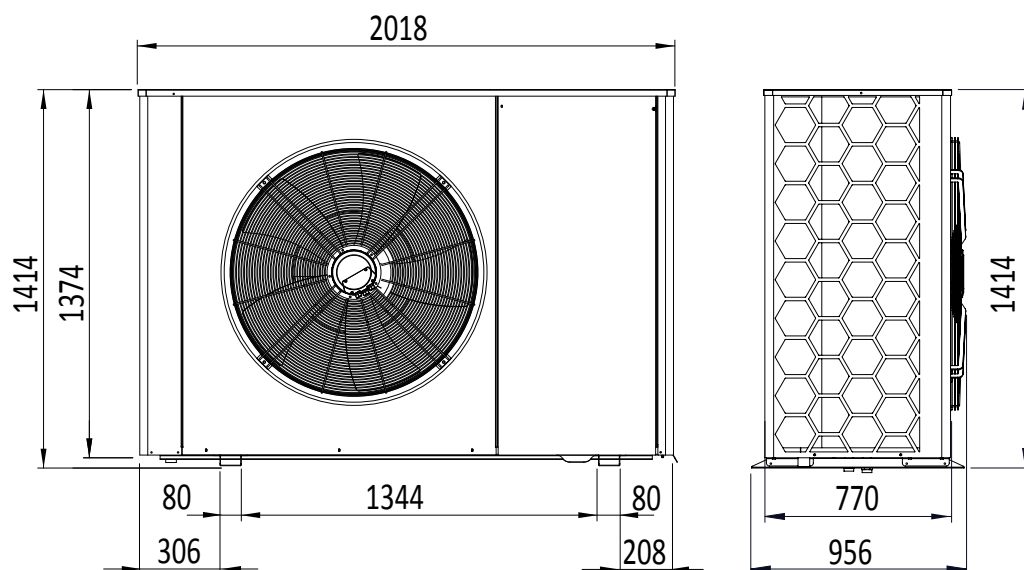
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TECHNICAL DATA

Energy class:	A+++
Power supply:	400 V - 3 ph - 50Hz
Max electrical absorption A-20/W55:	12,50 kW (LR 35) 20,00 kW (LR 35 Cold)
Noise level:	Max sound pressure at 1 meter distance: 52 dB(A)
Compressor:	Scroll injection
External fan:	Inverter typology: BLDC Nominal diameter: 910 mm Max Speed: 610 rpm
Finned coil:	Fin spacing: 2,5 mm

Exchanger:	Type: Plates Material: stainless steel
Refrigerant:	R32 Q.ty: 7,4 kg
Diameter of water pipes:	Input: 1" Output: 1"
Hydraulic circuit:	Pump type: EC
Dimensions:	1414 mm (H) x 2018 mm (L) x 956 mm (P)

DIMENSIONS WITH BRACKETS



Mandatory accessory to be chosen from the options - Outdoor Unit

Code	Description	Note
4.5.1.3	Support brackets for outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.4	Metal legs for outdoor unit	

Mandatory accessory, to be chosen from the options - Controller

Code	Description	Note
4.5.3.2	7" Touchscreen Panel	
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01

Mandatory Accessories

Code	Description	Note
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
EL.CV_ETH10	Cat. 7 ethernet cable kit for Tsplit board, length 10 m	Required with code 4.5.3.18 or 4.5.3.25 - Cable + 2x RJ45 plugs
EL.CV_ETH20	Cat. 7 ethernet cable kit for Tsplit board, length 20 m	Required with code 4.5.3.18 or 4.5.3.25 - Cable + 2x RJ45 plugs
EL.CV_ETH30	Cat. 7 ethernet cable kit for Tsplit board, length 30 m	Required with code 4.5.3.18 or 4.5.3.25 - Cable + 2x RJ45 plugs
EL.CV_ETH50	Cat. 7 ethernet cable kit for Tsplit board, length 50 m	Required with code 4.5.3.18 or 4.5.3.25 - Cable + 2x RJ45 plugs

Plumbing add-ons

Code	Description	Note
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	SN.NTCWP3M DHW temperature sensor	3 m
2.4.3.2	Flexible couplings kit with 1 1/2" F fittings	2 pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	1 1/2" antifreeze valve	

Mandatory Plumbing Accessories

Code	Description	Note
2.4.1.1	Circulation pump YONOS PARA HF 30/12	Mandatory only with cod. 4.1.5.3

Electrical add-ons

Code	Description	Note
2.5.7.1	HCC, 100 m cable coil 2x0.50 sq mm for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, power supply kit - pair of 200 m cable coils (red+black) 1 sq mm	
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
K-RSC	drain pipe heating cable	
2.5.3.12	SG-READY board	
4.5.2.10	QE dual powers supply 24A/40A	Alternative to standard single power supply
EL.CV_IM10	System and B2-B3 Puffer cable, length 10mt	Cable connecting the machine to the puffer probes

Electronic add-ons

Code	Description	Note
4.5.3.1	PGD panel Kit	With 4.5.3.1+4.5.3.2 the code is mandatory. BMS BOARD
4.5.3.4	C-Mix board	
4.5.3.3	Floor board	
4.5.3.5	Room temperature and humidity sensor	Black
4.5.3.6	Room temperature and humidity sensor	White
4.5.3.20	DOME sensor	Black
4.5.3.19	DOME sensor	White
SCHEDA BMS	Electronic board for additional serial port	Mandatory with the purchase of one or more of the following: 4.5.3.4, 4.5.3.3, 4.5.3.5/6
4.5.3.9	0-10 slave control board for DIN rail	
4.5.3.10	Dehumidifier Modbus board for DIN rail	
4.5.3.11	Pool Thermostat Modbus board for DIN rail	
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	

Optional

Code	Description	Note
VE.800FG	Flow Grid d.800 fan	Add-on accessory
VE.910FG	Flow Grid d.910 fan	Add-on accessory
4.5.5.1	d.910 fan surcharge	
4.5.6.2	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
2.1.3.2	Pair of 1200x700 mm wall brackets for outdoor unit	
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	
4.5.1.9	Outdoor unit protection grid	Protection grid