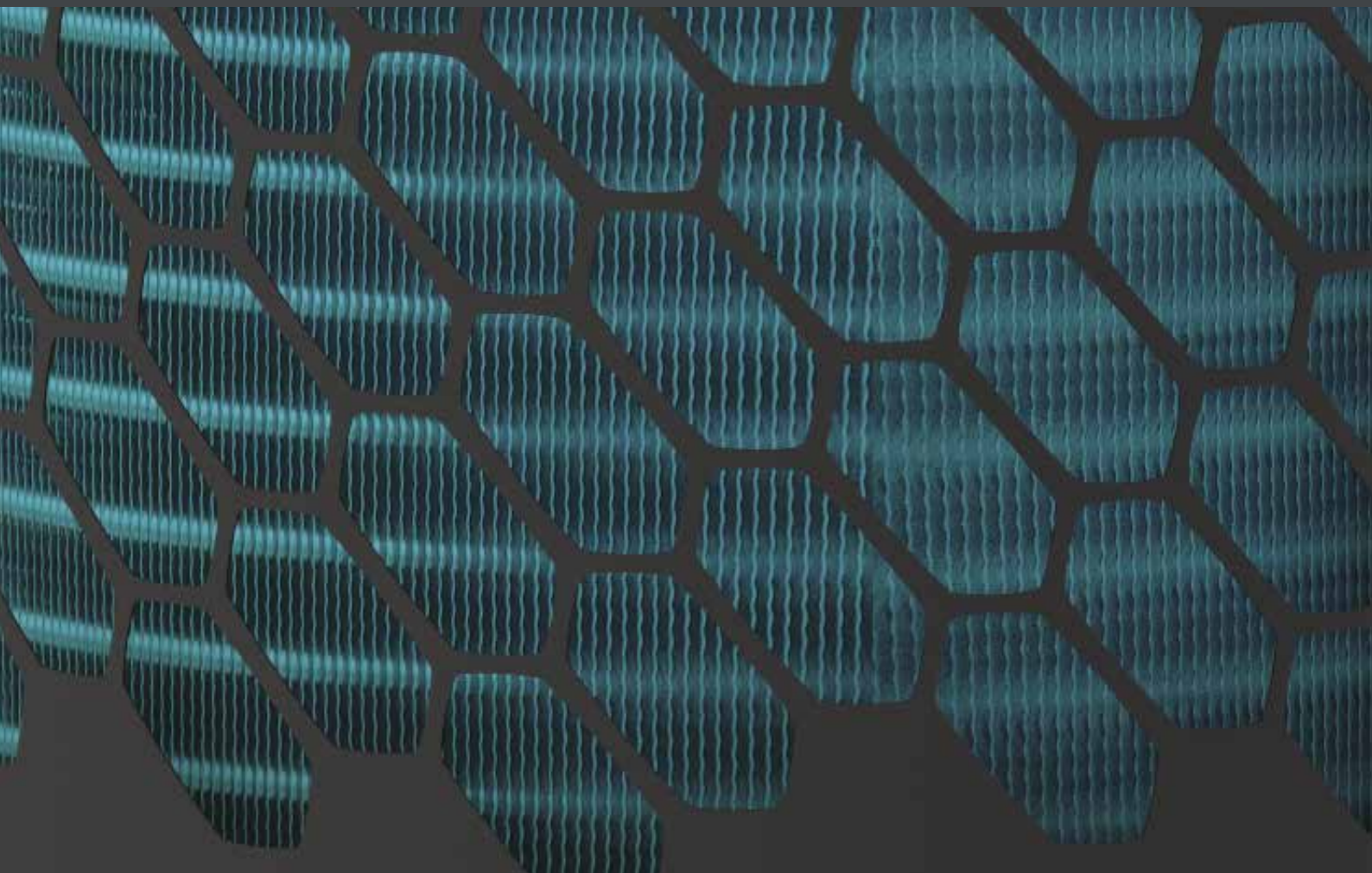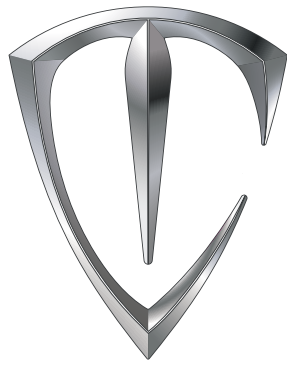**TEMPLARI**
THE HEAT PUMP

Technical catalogue

Residential air-to-water heat pumps
Industrial air-to-air heat pumps
Remote control

Our history

Templari was founded in 2006 by Gianluca and Massimo Masiero, with the goal of offering new-generation heat-pump systems with very low environmental impact.

The heart of the company, born from the passion and professionalism of the two brothers, is the R&D department where the best products are created, such as KITA, an innovative, unique heat pump entirely developed and designed in Italy. KITA AIR was designed to heat and cool workplaces such as offices, industrial sheds, warehouses and workshops. It's an air-to-air heat pump ideal for large spaces that require high performance and where operating costs and respect for the environment are priority requirements.

Over time, the KITA and KITA AIR product lines have evolved and important operational and design improvements have been implemented, leading to the current product on the market: a heat pump that combines technology and innovation with a sophisticated design, guaranteeing high performance, even at extremely low outside temperatures (below -20°C).

The KITA Templari lines offer an environmentally friendly solution that does not require the integration of boilers, so as to permanently avoid the use of environmentally harmful fossil fuels. Every day Templari deploys massive resources, expertise and professionalism to ensure a constant evolution in the performance of its products, implementing new solutions and functions that make the KITA lines more and more efficient and ecological, in order to satisfy a wide range of customer needs.

Climate chamber at the new Templari headquarters for testing our KITAs.

TABLE OF CONTENTS

Monoblock

Split

Industrial

Remote control

Monoblock

KITA HR line

High-efficiency reversible air-to-water monobloc heat pumps with Inverter Scroll compressor. The new shape can fit in any standard home and is designed to house the fan in the upper part, avoiding unpleasant air currents and making it extremely quiet.

≈ehpa

1800

880

Outdoor unit

7" K-TOUCH REMOTE CONTROL PANEL

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				HR 10	HR 10 3phase	HR 12	HR 12 3phase	HR 14	HR 14 3phase	HR 14 Cold 3phase	
Product code				4.1.6.1	4.1.6.2	4.1.6.3	4.1.6.4	4.1.6.5	4.1.6.6	4.1.6.7	
Operating conditions				Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power	kW	5.48	10.50	6.84	11.50	8.11	14.55	8.11	14.55
		COP		5.92	5.50	6.32	5.40	6.32	5.30	6.32	5.30
	A 7°C / W 35°C	Thermal power	kW	5.27	9.90	6.59	12.16	7.82	14.30	7.82	14.30
		COP		5.26	4.60	5.22	4.30	5.21	4.44	5.21	4.44
	A 2°C / W 35°C	Thermal power	kW	4.67	8.81	5.83	10.79	6.90	13.09	6.90	14.00
		COP		4.82	4.07	4.78	3.91	4.77	3.82	4.77	3.78
	A -7°C / W 35°C	Thermal power	kW	3.73	7.03	4.65	8.44	5.51	10.70	5.51	14.00
		COP		3.87	3.22	3.87	3.12	3.86	3.10	3.86	2.85
	A -15°C / W 35°C	Thermal power	kW	3.08	5.70	3.86	6.60	4.57	9.10	4.57	13.30
		COP		3.34	2.93	3.35	2.82	3.35	2.80	3.35	2.70
	A -20°C / W 35°C	Thermal power	kW	2.49	5.00	3.26	5.80	3.85	8.10	3.85	11.80
		COP		2.91	2.58	2.91	2.42	2.90	2.60	2.90	2.52
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	4.24	8.93	5.29	9.81	6.27	11.76	6.27	14.00
		COP		2.84	2.75	2.81	2.59	2.81	3.10	2.81	2.49
Cooling	A 35°C / W 7°C	Cooling capacity	kW	3.66	9.13	4.57	10.04	5.41	12.45	5.41	12.45
		EER		3.77	3.29	3.76	3.28	3.75	3.21	3.75	3.21
	A 35°C / W 18°C	Cooling capacity	kW	4.77	11.86	5.96	13.06	7.05	16.23	7.05	16.23
		EER		5.15	4.95	5.11	4.76	5.10	4.67	5.10	4.67
Energy class	Average climate			A+++							
Data	Power supply		V/ph/Hz	230/1/50 - 400/3/50						400/3/50	
Max electrical input*	230V/1ph - 400V/3ph		kW	2.31		3.36		4.02		7.57	
Noise	Sound pressure at max 1 metre		dB(A)	38							
Compressor	Type			Inverter Scroll							
	Operation			Vapour Injection							
Fan	Type			BLDC inverter							
	Fan diameter		mm	630							
	Maximum speed		rpm	600							
Exchanger	Type			Plates							
	Material			Stainless Steel							
Refrigerant	Type			R410A							
	Refrigerant amount		kg	6.5							
Water pipe diameter	Inlet		inches	1"							
	Outlet		inches	1"							
Hydraulic circuit	Pump type			EC							
Weight			kg	230							
Dimensions			mm	880 Ø - 1800 h							

*Electrical consumption A-20/W55

Code	Description	Notes
Mandatory accessory, to be chosen from the options		
4.5.1.5	WHITE kit, covers for KITA HR outdoor unit	
4.5.1.6	BLACK kit, covers for KITA HR outdoor unit	
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include cod. SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT6	Flat telephone cable, length 6 m	
EL.CV_PT10	Flat telephone cable, length 10 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	
EL.CV_IM10	System and B2-B3 Puffer cable, length 10 m	Cable connecting the machine to the puffer probes
EL.CV_IM20	System and B2-B3 Puffer cable, length 20 m	
EL.CV_IM30	System and B2-B3 Puffer cable, length 30 m	
Plumbing add-ons		
3-way valve kit for DHW consisting of:		
4.5.2.1	DHW module kit (K1 relay)	
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	DHW temperature sensor	
4.5.4.2	Wilo Para 9 high flow circulator kit	Alternative to standard circulator
2.4.3.1	Flexible stainless steel connection pipes kit with 1 1/4" F fittings	2 pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	1 1/2" antifreeze valve	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
4.5.2.4	Integration module kit (K4 relay)	Required with code 4.5.2.7
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
Electronic add-ons		
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
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

NOTE
Drain pipe heating cable is already included in all KITA HR models.
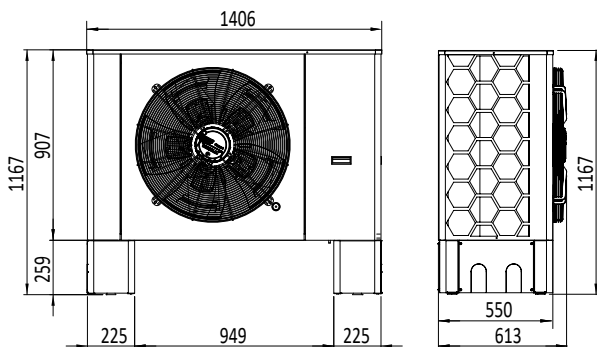4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
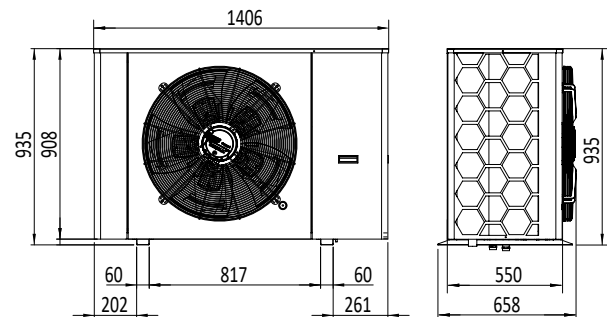
Monoblock

KITA Si line

Si series high-efficiency reversible air-to-water monobloc heat pumps, with Scroll Smart Injection inverter compressor, suitable for buildings with low thermal demand.

≈ehpa
european heat pump association

7" K-TOUCH REMOTE CONTROL PANEL

Dimensions with legs

Dimensions with brackets

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				Si	Si 3phase	Si Cold	Si Cold 3phase	Si Plus	Si Plus 3phase	Si Plus Cold	Si Plus Cold 3phase
Product code				4.1.2.1	4.1.2.2	4.1.2.3	4.1.2.4	4.1.2.5	4.1.2.6	4.1.2.7	4.1.2.8
Operating conditions				Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power	kW	7.00	11.12	7.00	10.00	7.40	12.57	8.36	12.00
		COP		5.50	5.20	5.50	5.39	5.30	5.05	6.91	5.68
	A 7°C / W 35°C	Thermal power	kW	6.72	10.00	6.72	10.00	7.11	12.48	8.03	12.00
		COP		4.88	4.49	4.88	4.49	4.74	4.29	5.70	4.46
	A 2°C / W 35°C	Thermal power	kW	5.96	8.83	5.96	10.00	6.30	10.10	7.12	12.00
		COP		4.48	4.18	4.48	4.03	4.36	4.00	5.22	4.25
	A -7°C / W 35°C	Thermal power	kW	4.76	7.05	4.76	10.00	5.03	8.05	5.68	12.00
		COP		3.60	3.30	3.60	3.14	3.50	3.31	4.22	3.39
	A -15°C / W 35°C	Thermal power	kW	3.94	5.84	3.94	9.30	4.17	6.60	4.71	12.00
		COP		3.10	2.80	3.10	2.38	3.01	2.64	3.66	2.42
	A -20°C / W 35°C	Thermal power	kW	3.18	5.06	3.18	8.20	3.52	5.71	3.98	12.00
		COP		2.70	2.61	2.70	2.20	2.61	2.43	3.18	2.07
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	5.41	8.01	5.41	10.00	5.72	9.06	6.46	12.20
		COP		2.64	2.45	2.64	2.35	2.56	2.39	3.07	2.53
Cooling	A 35°C / W 7°C	Cooling capacity	kW	4.67	6.71	4.67	6.71	4.94	8.27	5.58	8.27
		EER		3.50	3.48	3.50	3.48	3.41	3.32	4.10	3.32
	A 35°C / W 18°C	Cooling capacity	kW	6.09	8.75	6.09	8.75	6.44	10.79	7.28	10.79
		EER		4.78	4.48	4.78	4.48	4.64	4.29	5.58	4.29
Energy class	Average climate			A+++							
Data	Power supply		V/ph/Hz	230/1/50 - 400/3/50							
Max electrical input*	230V/1ph - 400V/3ph		kW	2.80		3.60		5.14		7.10	
Noise	Sound pressure at max 1 metre		dB(A)	44							
Compressor	Type			Inverter Scroll							
	Operation			Vapour Injection							
Fan	Type			BLDC inverter							
	Fan diameter		mm	710							
	Maximum speed		rpm	600							
Finned coil	Fin spacing		mm	2.5							
Exchanger	Type			Plates							
	Material			Stainless Steel							
Refrigerant	Type			R410A							
	Refrigerant amount		kg	5							
Water pipe diameter	Inlet		inches	1"							
	Outlet		inches	1"							
Hydraulic circuit	Pump type			EC							
Weight			kg	200							
Dimensions			mm	H908 × L1406 × P550							

*Electrical consumption A-20/W55

Code	Description	Notes
Mandatory accessory to be chosen from the options - Outdoor Unit		
4.5.1.10	Support brackets for outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.2	Metal legs for outdoor unit	Alternative to brackets 4.5.1.10
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT6	Flat telephone cable, length 6 m	
EL.CV_PT10	Flat telephone cable, length 10 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	
EL.CV_IM10	System - DHW temp. probes cable, lenght 10 m	
EL.CV_IM20	System - DHW temp. probes cable, lenght 20 m	Cable connecting the machine to the puffer probes
EL.CV_IM30	System - DHW temp. probes cable, lenght 30 m	
Plumbing add-ons		
3-way valve kit for DHW consisting of:		
4.5.2.1	DHW module kit (K1 relay)	
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	DHW temperature sensor	
4.5.4.2	Wilo Para 9 high flow circulator kit	Alternative to standard circulator
2.4.3.1	Flexible stainless steel connection pipes kit with 1 1/4" F fittings	2 pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	1 1/2" antifreeze valve	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
4.5.2.4	Integration module kit (K4 relay)	Required with code 4.5.2.7
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
Electronic add-ons		
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
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
Add-ons		
4.5.1.7	Outdoor unit protection grid	Protection grid
4.5.1.12	Fan cover	Front grid
2.1.3.2	Pair of 1200x700 mm wall brackets for outdoor unit	
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	Mandatory with brackets 4.5.1.10
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
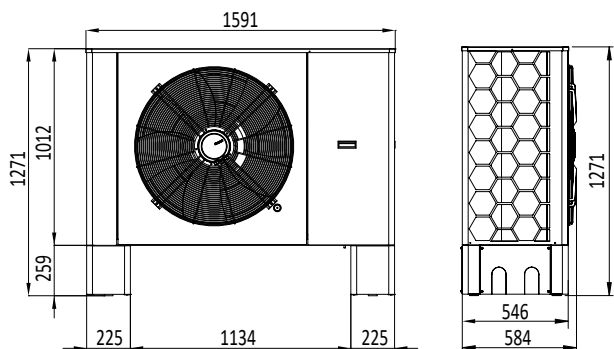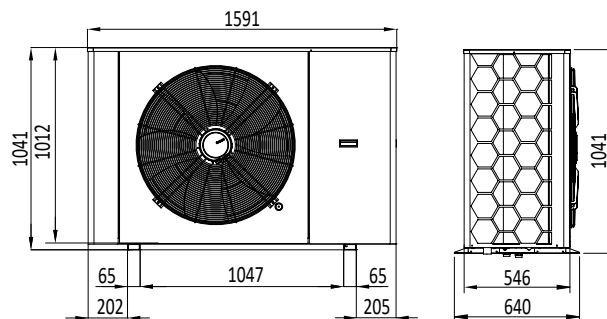
Monoblock

KITA Mi line

Mi series high-efficiency reversible air-to-water monobloc heat pumps with Scroll Smart Injection inverter compressor.

≈ehpa
european heat pump association

7" K-TOUCH REMOTE CONTROL PANEL

Dimensions with legs

Dimensions with brackets

INVERTER SCROLL COMPRESSOR

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

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FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				Mi	Mi 3phase	Mi Cold	Mi Cold 3phase	Mi Plus 3phase		Mi Plus Cold 3phase	
Product code				4.1.3.1	4.1.3.2	4.1.3.3	4.1.3.4	4.1.3.6		4.1.3.7	
Operating conditions				Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power	kW	8.10	16.80	8.10	15.00	10.60	20.50	11.07	18.00
		COP		5.81	5.23	5.81	5.50	5.60	4.87	5.66	5.27
	A 7°C / W 35°C	Thermal power	kW	7.76	16.60	7.76	15.00	10.62	20.20	11.10	18.00
		COP		5.18	4.38	5.18	4.93	4.62	4.05	4.67	4.57
	A 2°C / W 35°C	Thermal power	kW	6.88	13.70	6.88	15.00	9.41	17.50	9.83	18.00
		COP		4.76	4.19	4.76	4.05	4.27	3.60	4.32	3.55
	A -7°C / W 35°C	Thermal power	kW	5.49	11.00	5.49	15.00	7.52	14.60	7.86	18.00
		COP		3.82	3.31	3.82	3.14	3.43	2.85	3.47	2.75
	A -15°C / W 35°C	Thermal power	kW	4.55	9.07	4.55	13.80	6.23	12.40	6.51	16.00
		COP		3.29	2.81	3.29	2.71	2.95	2.42	2.98	2.35
	A -20°C / W 35°C	Thermal power	kW	4.12	8.10	4.12	12.20	5.39	11.30	5.63	14.00
		COP		2.80	2.70	2.80	2.56	2.53	2.27	2.55	2.14
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	6.25	12.40	6.25	15.00	8.55	17.10	8.93	18.00
		COP		3.02	2.67	3.02	2.52	2.71	2.30	2.74	2.25
Cooling	A 35°C / W 7°C	Cooling capacity	kW	5.39	9.03	5.39	9.03	8.75	12.85	9.06	14.90
		EER		3.72	3.63	3.72	3.63	3.34	3.15	3.90	3.80
	A 35°C / W 18°C	Cooling capacity	kW	7.03	11.78	7.03	11.78	11.41	16.37	13.60	17.30
		EER		5.07	4.68	5.07	4.68	4.72	4.33	5.70	5.64
Energy class	Average climate			A+++							
Data	Power supply		V/ph/Hz	230/1/50 - 400/3/50				400/3/50			
Max electrical input*	230V/1ph - 400V/3ph		kW	4.60		8.00		6.90		8.84	
Noise	Sound pressure at max 1 metre		dB(A)	45							
Compressor	Type			Inverter Scroll							
	Operation			Vapour Injection							
Fan	Type			BLDC inverter							
	Fan diameter		mm	800							
	Maximum speed		rpm	600							
Finned coil	Fin spacing		mm	2.5							
Exchanger	Type			Plates							
	Material			Stainless Steel							
Refrigerant	Type			R410A							
	Refrigerant amount		kg	6.5							
Water pipe diameter	Inlet		inches	1"							
	Outlet		inches	1"							
Hydraulic circuit	Pump type			EC							
Weight			kg	230							
Dimensions			mm	H1012 × L1591 × P546							

*Electrical consumption A-20/W55

Code	Description	Notes
Mandatory accessory to be chosen from the options - Outdoor Unit		
4.5.1.1	Support brackets for outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.2	Metal legs for outdoor unit	Alternative to brackets 4.5.1.1
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include cod. SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT6	Flat telephone cable, length 6 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_PT10	Flat telephone cable, length 10 m	
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	
EL.CV_IM10	System - DHW temp. probes cable, lenght 10 m	Cable connecting the machine to the puffer probes
EL.CV_IM20	System - DHW temp. probes cable, lenght 20 m	
EL.CV_IM30	System - DHW temp. probes cable, lenght 30 m	
Plumbing add-ons		
3-way valve kit for DHW consisting of:		
4.5.2.1	DHW module kit (K1 relay)	
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	DHW temperature sensor	
4.5.4.2	Wilo Para 9 high flow circulator kit	Alternative to standard circulator
2.4.3.1	Flexible stainless steel connection pipes kit with 1 1/4" F fittings	2 pieces
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	1 1/2" antifreeze valve	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
4.5.2.4	Integration module kit (K4 relay)	Required with code 4.5.2.7
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
Electronic add-ons		
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
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
Add-ons		
4.5.1.8	Outdoor unit protection grid	Protection grid
4.5.1.13	Fan cover	Front grid
VE.800FG	Flow grid for d.800 fan	
4.5.6.1	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	Mandatory with brackets 4.5.1.1
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
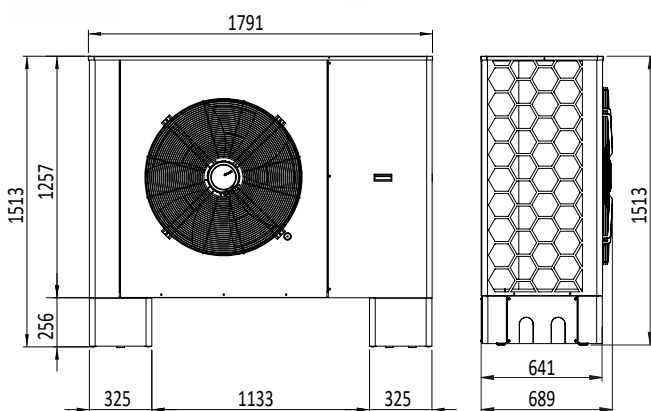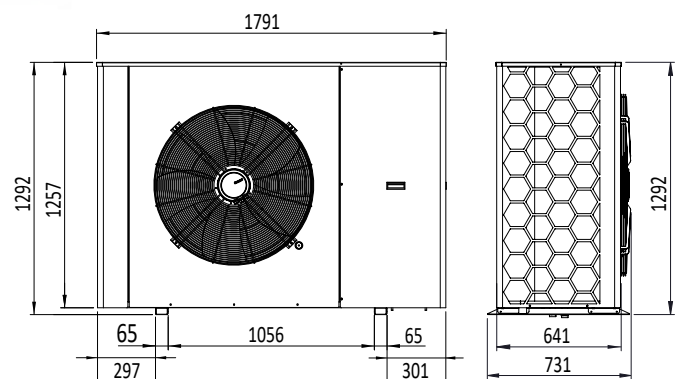
Monoblock

KITA L line

L series high-efficiency reversible air-to-water monobloc heat pumps with Scroll Smart Injection inverter compressor.

≋ehpa
european heat pump association

7" K-TOUCH REMOTE CONTROL PANEL

1791

1513 1257

256

325 1133 325

641
689

1513

Dimensions with legs

1791

1292 1257

65 1056 65
297 301

641
731

1292

Dimensions with brackets

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				L33 3phase		L42 3phase		L66 3phase		L Cold 3phase	
Product code				4.1.4.1		4.1.4.2		4.1.4.3		4.1.4.4	
Operating conditions				Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power	kW	16.5	27.1	20.4	33.5	23.6	35.5	25.96	35
		COP		5.74	4.64	5.38	4.33	5.26	4.25	5.93	4.7
	A 7°C / W 35°C	Thermal power	kW	15.52	25.52	19.4	31.9	21.28	35	23.45	35
		COP		5.34	4.31	5.13	4.14	5.07	4.1	5.72	4.37
	A 2°C / W 35°C	Thermal power	kW	15.05	24.5	18.81	29.88	20.64	32.8	22.7	35
		COP		4.52	3.85	4.34	3.56	4.29	3.52	4.84	3.67
	A -7°C / W 35°C	Thermal power	kW	10.94	20.1	13.68	23.86	16.3	28.4	17.93	35
		COP		3.4	3.25	3.26	2.96	3.23	2.93	3.64	2.8
	A -15°C / W 35°C	Thermal power	kW	8.12	17.5	10.15	19.25	12.18	23.1	13.4	34.2
		COP		2.78	2.68	2.67	2.42	2.64	2.39	2.98	2.43
	A -20°C / W 35°C	Thermal power	kW	7	15.1	8.17	15.5	9.75	18.5	10.72	30.2
		COP		2.51	2.42	2.5	2.27	2.37	2.15	2.68	2.25
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	12.7	23.1	15.88	28.8	17.42	31.6	19.16	35
		COP		3.44	2.37	3.3	2.69	3.27	2.66	3.69	2.7
Cooling	A 35°C / W 7°C	Cooling capacity	kW	10.22	18.54	12.65	22.3	18.32	25.3	20.15	25.3
		EER		3.66	3.28	3.45	3.09	3.53	3.16	3.99	3.25
	A 35°C / W 18°C	Cooling capacity	kW	13.4	21.8	16.5	26.9	23.9	32.5	26.3	32.5
		EER		5.04	4.75	4.74	4.48	4.85	4.62	5.47	4.76
Energy class	Average climate			A+++							
Data	Power supply		V/ph/Hz	400/3/50							
Max electrical input*	230V/1ph - 400V/3ph		kW	9.75		10.71		12.50		20.00	
Noise	Sound pressure at max 1 metre		dB(A)	52							
Compressor	Type			Inverter Scroll							
	Operation			Vapour Injection							
Fan	Type			BLDC inverter							
	Fan diameter		mm	800				910			
	Maximum speed		rpm	600				610			
Finned coil	Fin spacing		mm	2.5							
Exchanger	Type			Plates							
	Material			Stainless Steel							
Refrigerant	Type			R410A							
	Refrigerant amount		kg	8.5				8			
Water pipe diameter	Inlet		inches	1"							
	Outlet		inches	1"							
Hydraulic circuit	Pump type			EC							
Weight			kg	300				310			
Dimensions			mm	H1257 × L1791 × P641							

*Electrical consumption A-20/W55

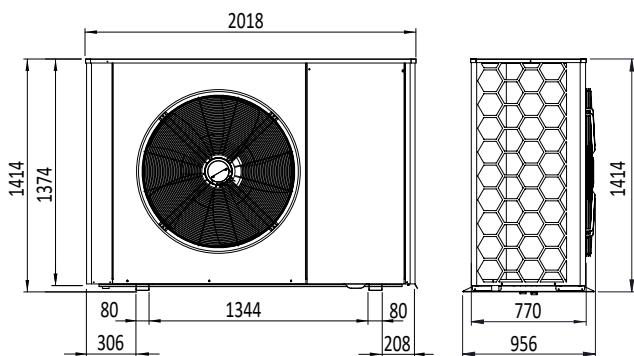| Code	Description	Notes
Mandatory accessory to be chosen from the options - Outdoor Unit		
4.5.1.3	Support brackets for outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.4	Metal legs for outdoor unit	
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT6	Flat telephone cable, length 6 m	
EL.CV_PT10	Flat telephone cable, length 10 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	
EL.CV_IM10	System - DHW temp. probes cable, lenght 10 m	
EL.CV_IM20	System - DHW temp. probes cable, lenght 20 m	Cable connecting the machine to the puffer probes
EL.CV_IM30	System - DHW temp. probes cable, lenght 30 m	
Plumbing add-ons		
3-way valve kit for DHW consisting of:		
4.5.2.1	DHW module kit (K1 relay)	
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	DHW temperature sensor	
4.5.4.3	UPM XL GEO oversize circulator kit for KITA L33	Alternative to standard circulator
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	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
4.5.2.4	Integration module kit (K4 relay)	Required with code 4.5.2.7
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
4.5.2.6	QE dual power supply 40A	Alternative to standard single power supply for L Cold
Electronic add-ons		
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
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
Add-ons		
VE.800FG	Flow grid for d.800 fan	Add-on accessory only for L33/L42
VE.910FG	Flow grid for d.910 fan	Add-on accessory only for L66/L Cold
4.5.5.1	d.910 fan surcharge	Only for L33/L42
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	Mandatory with brackets 4.5.1.3
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3
4.5.1.9	Outdoor unit protection grid	Protection grid

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.

Monoblock

KITA Li Plus line

Li Plus high-efficiency reversible air-to-water monobloc heat pumps with Scroll Smart Injection inverter compressor.

≋ehpa
european
heat pump association

2018

1414 **1374**

80 **1344** **80**

306 **208**

770

1414

956

Outdoor unit

7" K-TOUCH REMOTE
CONTROL PANEL

**INVERTER
SCROLL COMPRESSOR**

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

**OPTIMISED SEASONAL
PERFORMANCE**

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

**HOT WATER
UP TO 55°C**

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

TEMPLARI
THE HEAT PUMP

Monoblock

Split

Industrial

Remote control

PRODUCT NAME				Li Plus 3phase	
Product code				**4.1.5.1**	
Operating conditions				Average	Max
Heating	A 7°C / W 35°C	Thermal power	kW	27.66	46.50
		COP		5.02	4.05
	A 2°C / W 35°C	Thermal power	kW	26.83	45.70
		COP		4.25	3.60
	A -7°C / W 35°C	Thermal power	kW	19.70	38.50
		COP		3.20	2.90
	A -15°C / W 35°C	Thermal power	kW	15.83	36.20
		COP		2.72	2.37
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	19.70	41.30
		COP		2.55	2.10
Cooling	A 35°C / W 7°C	Cooling capacity	kW	23.82	35.15
		EER		3.50	3.13
	A 35°C / W 18°C	Cooling capacity	kW	31.07	42.25
		EER		4.80	4.57
Energy class	Average climate			A+++	
Data	Power supply		V/ph/Hz	400/3/50	
Max electrical input*	230V/1ph - 400V/3ph		kW	20.12	
Noise	Sound pressure at max 1 metre		dB(A)	52	
Compressor	Type			Inverter Scroll	
	Operation			Vapour Injection	
Fan	Type			BLDC inverter	
	Fan diameter		mm	910	
	Maximum speed		rpm	610	
Finned coil	Fin spacing		mm	2.5	
Exchanger	Type			Plates	
	Material			Stainless Steel	
Refrigerant	Type			R410A	
	Refrigerant amount		kg	9	
Water pipe diameter	Inlet		inches	1 1/2"	
	Outlet		inches	1 1/2"	
Hydraulic circuit	Pump type			EC	
Weight			kg	370	
Dimensions			mm	H1414 × L2018 × P956	

*Electrical consumption A-20/W55

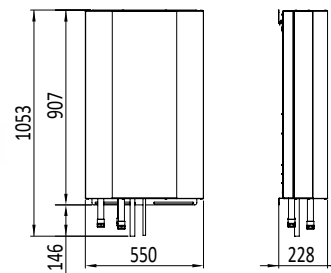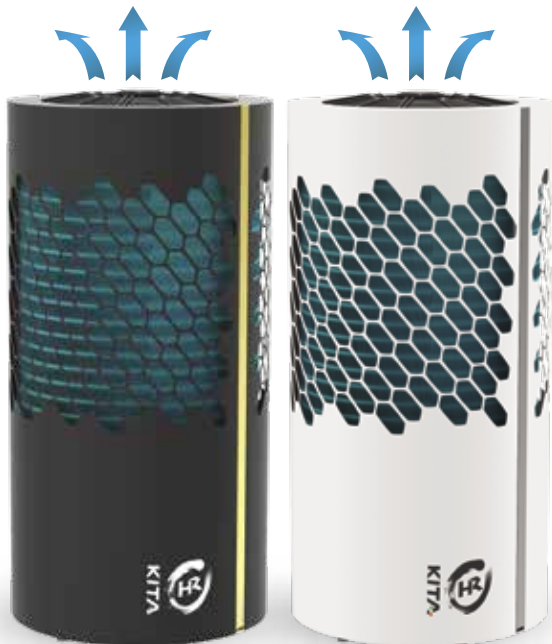| Code	Description	Notes
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory accessory to be chosen from the options - Wiring Outdoor Unit		
EL.CV_PT6	Flat telephone cable, length 6 m	
EL.CV_PT10	Flat telephone cable, length 10 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	
EL.CV_IM10	System - DHW temp. probes cable, lenght 10 m	
EL.CV_IM20	System - DHW temp. probes cable, lenght 20 m	Cable connecting the machine to the puffer probes
EL.CV_IM30	System - DHW temp. probes cable, lenght 30 m	
Mandatory Plumbing Accessories		
2.4.1.1	Circulation pump YONOS PARA HF 30/12	
Plumbing add-ons		
3-way valve kit for DHW consisting of:		
4.5.2.1	DHW module kit (K1 relay)	
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	DHW temperature sensor	
K-FY	Brass 2" Y-filter with 1 1/4" connections	
2.4.2.5	1 1/2" antifreeze valve	
Electrical add-ons		
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	

Code	Description	Notes
4.5.2.3	Integration module kit (K3 relay)	
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
4.5.2.4	Integration module kit (K4 relay)	Required with code 4.5.2.7
K-RSC	Drain pipe heating cable	
4.5.2.6	QE dual power supply 40A	Alternative to standard single power supply
Electronic add-ons		
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
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
Add-ons		
VE.910FG	Flow Grid for d.910 fan	
4.5.1.11	Outdoor unit protection grid	Protection grid
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3

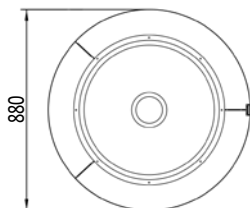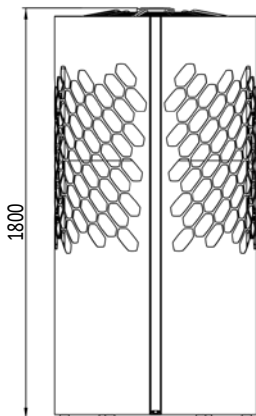NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.

Split

KITA HR line

High-efficiency reversible air-to-water Split heat pumps with Inverter Scroll compressor. The new shape can fit in any standard home and is designed to house the fan in the upper part, avoiding unpleasant air currents and making it extremely quiet.

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european heat pump association

Indoor unit

Outdoor unit

7" K-TOUCH REMOTE CONTROL PANEL

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

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FULL REMOTE CONTROL

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ECO-FRIENDLY

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

PRODUCT NAME			HR 10	HR 10 3phase	HR 12	HR 12 3phase	HR 14	HR 14 3phase	HR 14 Cold 3phase	
Product code			4.1.6.8	4.1.6.9	4.1.6.10	4.1.6.11	4.1.6.12	4.1.6.13	4.1.6.14	
Operating conditions			Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power kW	5.48	10.50	6.84	11.50	8.11	14.55	8.11	14.55
		COP	5.92	5.50	6.32	5.40	6.32	5.30	6.32	5.30
	A 7°C / W 35°C	Thermal power kW	5.27	9.90	6.59	12.16	7.82	14.30	7.82	14.30
		COP	5.26	4.60	5.22	4.30	5.21	4.44	5.21	4.44
	A 2°C / W 35°C	Thermal power kW	4.67	8.81	5.83	10.79	6.90	13.09	6.90	14.00
		COP	4.82	4.07	4.78	3.91	4.77	3.82	4.77	3.78
	A -7°C / W 35°C	Thermal power kW	3.73	7.03	4.65	8.44	5.51	10.70	5.51	14.00
		COP	3.87	3.22	3.87	3.12	3.86	3.10	3.86	2.85
	A -15°C / W 35°C	Thermal power kW	3.08	5.70	3.86	6.60	4.57	9.10	4.57	13.30
		COP	3.34	2.93	3.35	2.82	3.35	2.80	3.35	2.70
	A -20°C / W 35°C	Thermal power kW	2.49	5.00	3.26	5.80	3.85	8.10	3.85	11.80
		COP	2.91	2.58	2.91	2.42	2.90	2.60	2.90	2.52
Domestic hot water	A 2°C / W 55°C	Thermal power kW	4.24	8.93	5.29	9.81	6.27	11.76	6.27	14.00
		COP	2.84	2.75	2.81	2.59	2.81	3.10	2.81	2.49
Cooling	A 35°C / W 7°C	Cooling capacity kW	3.66	9.13	4.57	10.04	5.41	12.45	5.41	12.45
		EER	3.77	3.29	3.76	3.28	3.75	3.21	3.75	3.21
	A 35°C / W 18°C	Cooling capacity kW	4.77	11.86	5.96	13.06	7.05	16.23	7.05	16.23
		EER	5.15	4.95	5.11	4.76	5.10	4.67	5.10	4.67
Energy class	Average climate		A+++							
Data	Power supply	V/ph/Hz	230/1/50 - 400/3/50						400/3/50	
Max electrical input*	230V/1ph - 400V/3ph	kW	2.31		3.36		4.02		7.57	
Noise	Sound pressure at max 1 metre	dB(A)	38							
Compressor	Type		Inverter Scroll							
	Operation		Vapour Injection							
Fan	Type		BLDC inverter							
	Fan diameter	mm	630							
	Maximum speed	rpm	600							
Exchanger	Type		Plates							
	Material		Stainless Steel							
Refrigerant	Type		R410A							
	Refrigerant amount	kg	6.5							
Gas pipe diameter	Continental climate	mm / inches	18 mm / 3/4"							
Liquid pipe diameter	Continental climate	mm / inches	12 mm / 1/2"							
Hydraulic circuit	Pump type		EC							
Weight	Outdoor unit / Indoor unit	kg	210 / 35							
Dimensions	Outdoor unit / Indoor unit	mm	880 Ø - 1800 h / H878.4 × L550 × P208							

*Electrical consumption A-20/W55

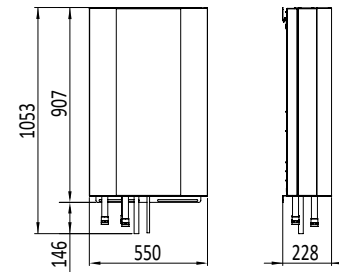| Code	Description	Notes
Mandatory accessory, to be chosen from the options		
4.5.1.5	WHITE kit, covers for KITA HR outdoor unit	
4.5.1.6	BLACK kit, covers for KITA HR outdoor unit	
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	
4.5.3.2	7" Touchscreen Panel	Standard. Alternative to PGD 4.5.3.1
HCC-F01	Metal frame for flush mount touch panel	
HCC-F02	Metal frame for surface mount touch panel	Alternative to the HCC-F01 flush mount frame
4.5.3.16	Building Automation with 9.7" touch panel	Alternative to 4.5.3.2
4.5.1.14	Flush mount frame for 9.7" touch panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT	Flat telephone cable. Available lengths: 6, 10, 20 and 30 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_IM	System - DHW temperature probes cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the puffer probes
Mandatory Accessories - Indoor Unit Wiring		
EL.CV_AL	Circulator and valve power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Mandatory Accessories - Indoor Unit wiring with resistance		
EL.CV_AL-A	Circulator, valve and resistance power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Plumbing add-ons		
4.5.4.2	Wilo Para 9 high flow circulator kit	Alternative to standard circulator
4.5.4.4	UPM XL GEO oversize circulator kit	
K-FY	Brass 2" Y-filter with 1 1/4" connections	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
Electronic add-ons		
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
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

NOTE
Drain pipe heating cable is already included in all KITA HR models.
4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
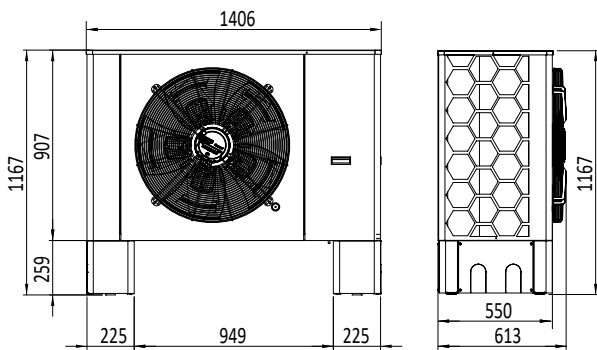
Split

KITA Si line

Si series high-efficiency reversible air-to-water Split heat pumps, with Scroll Smart Injection inverter compressor, suitable for buildings with low thermal demand.
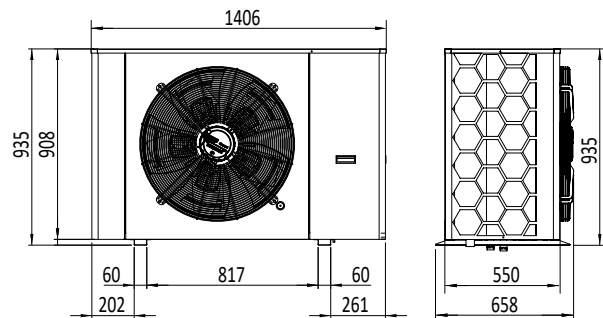
ehpa
european heat pump association

7" K-TOUCH REMOTE CONTROL PANEL

Indoor unit

Outdoor unit - Dimensions with legs

Outdoor unit - Dimensions with brackets

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME			Si	Si 3phase	Si Cold	Si Cold 3phase	Si Plus	Si Plus 3phase	Si Plus Cold	Si Plus Cold 3phase
Product code			4.1.2.9	4.1.2.10	4.1.2.11	4.1.2.12	4.1.2.13	4.1.2.14	4.1.2.15	4.1.2.16
Operating conditions			Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power kW	7.00	11.12	7.00	10.00	7.40	12.57	8.36	12.00
		COP	5.50	5.20	5.50	5.39	5.30	5.05	6.91	5.68
	A 7°C / W 35°C	Thermal power kW	6.72	10.00	6.72	10.00	7.11	12.48	8.03	12.00
		COP	4.88	4.49	4.88	4.49	4.74	4.29	5.70	4.46
	A 2°C / W 35°C	Thermal power kW	5.96	8.83	5.96	10.00	6.30	10.10	7.12	12.00
		COP	4.48	4.18	4.48	4.03	4.36	4.00	5.22	4.25
	A -7°C / W 35°C	Thermal power kW	4.76	7.05	4.76	10.00	5.03	8.05	5.68	12.00
		COP	3.60	3.30	3.60	3.14	3.50	3.31	4.22	3.39
	A -15°C / W 35°C	Thermal power kW	3.94	5.84	3.94	9.30	4.17	6.60	4.71	12.00
		COP	3.10	2.80	3.10	2.38	3.01	2.64	3.66	2.42
	A -20°C / W 35°C	Thermal power kW	3.18	5.06	3.18	8.20	3.52	5.71	3.98	12.00
		COP	2.70	2.61	2.70	2.20	2.61	2.43	3.18	2.07
Domestic hot water	A 2°C / W 55°C	Thermal power kW	5.41	8.01	5.41	10.00	5.72	9.06	6.46	12.20
		COP	2.64	2.45	2.64	2.35	2.56	2.39	3.07	2.53
Cooling	A 35°C / W 7°C	Cooling capacity kW	4.67	6.71	4.67	6.71	4.94	8.27	5.58	8.27
		EER	3.50	3.48	3.50	3.48	3.41	3.32	4.10	3.32
	A 35°C / W 18°C	Cooling capacity kW	6.09	8.75	6.09	8.75	6.44	10.79	7.28	10.79
		EER	4.78	4.48	4.78	4.48	4.64	4.29	5.58	4.29
Energy class	Average climate		A+++							
Data	Power supply	V/ph/Hz	230/1/50 - 400/3/50							
Max electrical input*	230V/1ph - 400V/3ph	kW	2.80		3.60		5.14		7.10	
Noise	Sound pressure at max 1 metre	dB(A)	44							
Compressor	Type		Inverter Scroll							
	Operation		Vapour Injection							
Fan	Type		BLDC inverter							
	Fan diameter	mm	710							
	Maximum speed	rpm	600							
Finned coil	Fin spacing	mm	2.5							
Exchanger	Type		Plates							
	Material		Stainless Steel							
Refrigerant	Type		R410A							
	Refrigerant amount	kg	5							
Gas pipe diameter	Continental climate	mm / inches	12 mm / 1/2"							
Liquid pipe diameter	Continental climate	mm / inches	10 mm / 3/8"							
Hydraulic circuit	Pump type		EC							
Weight	Outdoor unit / Indoor unit	kg	180 / 35							
Dimensions	Outdoor unit / Indoor unit	mm	H908 × L1406 × P550 / H878.4 × L550 × P208							

*Electrical consumption A-20/W55

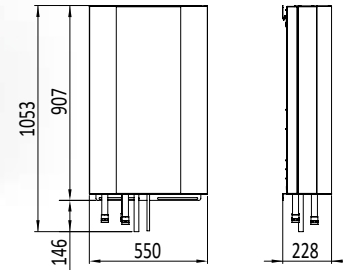| Code	Description	Notes
Mandatory accessory to be chosen from the options - Outdoor Unit		
4.5.1.10	Support brackets, KITA Si outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.2	Metal legs, KITA Si, Mi outdoor unit	Alternative to brackets 4.5.1.10
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include cod. SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Standard. Alternative to PGD 4.5.3.1
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT	Flat telephone cable. Available lengths: 6, 10, 20 and 30 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_IM	System - DHW temperature probes cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the puffer probes
Mandatory Accessories - Indoor Unit Wiring		
EL.CV_AL	Circulator, valve and resistance power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Mandatory Accessories - Indoor Unit wiring with resistance		
EL.CV_AL-A	Circulator, valve and resistance power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Plumbing add-ons		
4.5.4.2	Wilo Para 9 high flow circulator kit	Alternative to standard circulator
4.5.4.4	UPM XL GEO oversize circulator kit	
K-FY	Brass 2" Y-filter with 1 1/4" connections	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
Electronic add-ons		
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
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
Add-ons		
4.5.1.7	Outdoor unit protection grid	Protection grid
4.5.1.12	Fan cover	Front grid
2.1.3.2	Pair of 1200x700 mm wall brackets for outdoor unit	
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	Mandatory with brackets 4.5.1.10
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
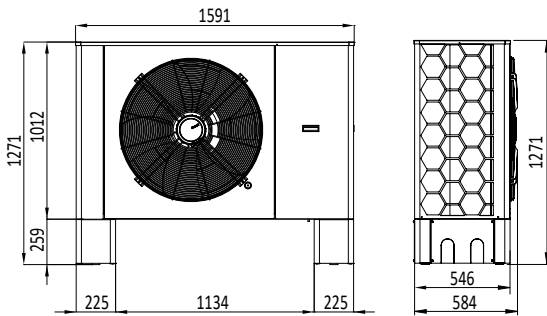
Split

KITA Mi line

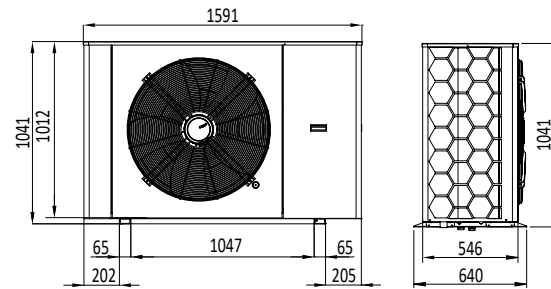Mi series high-efficiency reversible air-to-water Split heat pumps with Scroll Smart Injection inverter compressor.

≋ehpa

7" K-TOUCH REMOTE CONTROL PANEL

1053
907
146
550
228

Indoor unit

1591
1271
1012
259
225 1134 225
546
584
1271

Outdoor unit - Dimensions with legs

1591
1041
1012
65 1047 65
202 205
546
640
1041

Outdoor unit - Dimensions with brackets

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				Mi	Mi 3phase	Mi Cold	Mi Cold 3phase	Mi Plus 3phase		Mi Plus Cold 3phase	
Product code				4.1.3.8	4.1.3.9	4.1.3.10	4.1.3.11	4.1.3.13		4.1.3.14	
Operating conditions				Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power	kW	8.10	16.80	8.10	15.00	10.60	20.50	11.07	18.00
		COP		5.81	5.23	5.81	5.50	5.60	4.87	5.66	5.27
	A 7°C / W 35°C	Thermal power	kW	7.76	16.60	7.76	15.00	10.62	20.20	11.10	18.00
		COP		5.18	4.38	5.18	4.93	4.62	4.05	4.67	4.57
	A 2°C / W 35°C	Thermal power	kW	6.88	13.70	6.88	15.00	9.41	17.50	9.83	18.00
		COP		4.76	4.19	4.76	4.05	4.27	3.60	4.32	3.55
	A -7°C / W 35°C	Thermal power	kW	5.49	11.00	5.49	15.00	7.52	14.60	7.86	18.00
		COP		3.82	3.31	3.82	3.14	3.43	2.85	3.47	2.75
	A -15°C / W 35°C	Thermal power	kW	4.55	9.07	4.55	13.80	6.23	12.40	6.51	16.00
		COP		3.29	2.81	3.29	2.71	2.95	2.42	2.98	2.35
	A -20°C / W 35°C	Thermal power	kW	4.12	8.10	4.12	12.20	5.39	11.30	5.63	14.00
		COP		2.80	2.70	2.80	2.56	2.53	2.27	2.55	2.14
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	6.25	12.40	6.25	15.00	8.55	17.10	8.93	18.00
		COP		3.02	2.67	3.02	2.52	2.71	2.30	2.74	2.25
Cooling	A 35°C / W 7°C	Cooling capacity	kW	5.39	9.03	5.39	9.03	8.75	12.85	9.06	14.90
		EER		3.72	3.63	3.72	3.63	3.34	3.15	3.90	3.80
	A 35°C / W 18°C	Cooling capacity	kW	7.03	11.78	7.03	11.78	11.41	16.37	13.60	17.30
		EER		5.07	4.68	5.07	4.68	4.72	4.33	5.70	5.64
Energy class	Average climate			A+++							
Data	Power supply		V/ph/Hz	230/1/50 - 400/3/50				400/3/50			
Max electrical input*	230V/1ph - 400V/3ph		kW	4.60		8.00		6.90		8.84	
Noise	Sound pressure at max 1 metre		dB(A)	45							
Compressor	Type			Inverter Scroll							
	Operation			Vapour Injection							
Fan	Type			BLDC inverter							
	Fan diameter		mm	800							
	Maximum speed		rpm	600							
Finned coil	Fin spacing		mm	2.5							
Exchanger	Type			Plates							
	Material			Stainless Steel							
Refrigerant	Type			R410A							
	Refrigerant amount		kg	6.5							
Gas pipe diameter	Continental climate		mm / inches	18 mm / 3/4"							
Liquid pipe diameter	Continental climate		mm / inches	12 mm / 1/2"							
Hydraulic circuit	Pump type			EC							
Weight	Outdoor unit / Indoor unit		kg	210 / 35							
Dimensions	Outdoor unit / Indoor unit		mm	H1012 × L1591 × P546 / H878.4 × L550 × P208							

*Electrical consumption A-20/W55

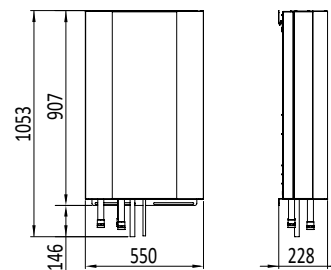| Code	Description	Notes
Mandatory accessory to be chosen from the options - Outdoor Unit		
4.5.1.1	Support brackets for outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.2	Metal legs for outdoor unit	Alternative to brackets 4.5.1.1
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	Metal frame for surface mount touch panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT	Flat telephone cable. Available lengths: 6, 10, 20 and 30 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_IM	System - DHW temperature probes cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the puffer probes
Mandatory Accessories - Indoor Unit Wiring		
EL.CV_AL	Circulator and valve power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Mandatory Accessories - Indoor Unit wiring with resistance		
EL.CV_AL-A	Circulator, valve and resistance power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Plumbing add-ons		
4.5.4.2	Wilo Para 9 oversize circulator kit	Alternative to standard circulator
4.5.4.4	UPM XL GEO oversize circulator kit	
K-FY	Brass 2" Y-filter with 1 1/4" connections	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
Electronic add-ons		
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
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
Add-ons		
4.5.1.8	Outdoor unit protection grid	Protection grid
4.5.1.13	Fan cover	Front grid
VE.800FG	Flow Grid for d.800 fan	
4.5.6.1	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	Mandatory with brackets 4.5.1.1
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.

Split

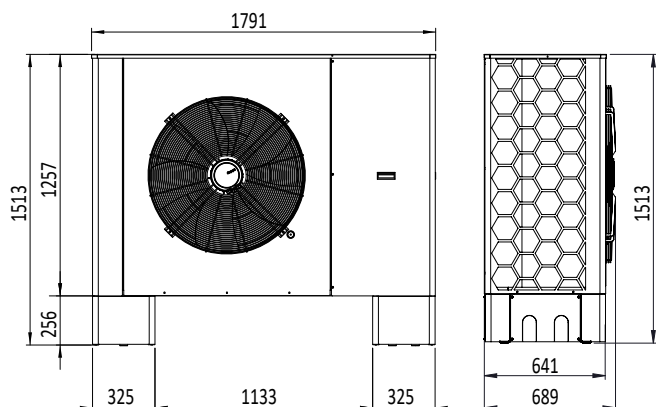# KITA L line

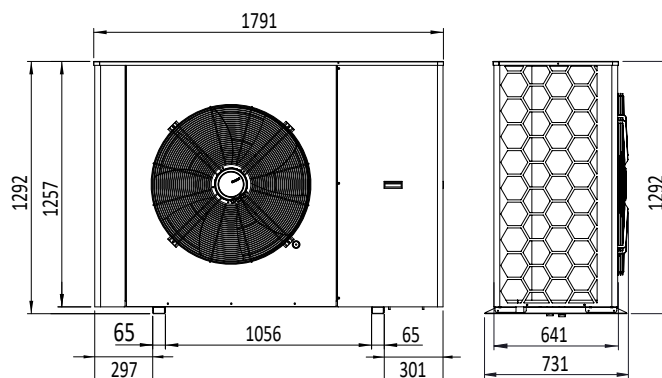L series high-efficiency reversible air-to-water Split heat pumps with Scroll Smart Injection inverter compressor.

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european heat pump association

7" K-TOUCH REMOTE CONTROL PANEL

907
1053
146
550
228

Indoor unit

1791
1513
1257
256
325
1133
325
641
689

Outdoor unit - Dimensions with legs

1791
1292
1257
65
1056
65
297
301
641
731

Outdoor unit - Dimensions with brackets

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				L33 3phase		L42 3phase		L66 3phase		L Cold 3phase	
Product code				**4.1.4.5**		**4.1.4.6**		**4.1.4.7**		**4.1.4.8**	
Operating conditions				Average	Max	Average	Max	Average	Max	Average	Max
Heating	A 12°C / W 35°C	Thermal power	kW	16.5	27.1	20.4	33.5	23.6	35.5	25.96	35
		COP		5.74	4.64	5.38	4.33	5.26	4.25	5.93	4.7
	A 7°C / W 35°C	Thermal power	kW	15.52	25.52	19.4	31.9	21.28	35	23.45	35
		COP		5.34	4.31	5.13	4.14	5.07	4.1	5.72	4.37
	A 2°C / W 35°C	Thermal power	kW	15.05	24.5	18.81	29.88	20.64	32.8	22.7	35
		COP		4.52	3.85	4.34	3.56	4.29	3.52	4.84	3.67
	A -7°C / W 35°C	Thermal power	kW	10.94	20.1	13.68	23.86	16.3	28.4	17.93	35
		COP		3.4	3.25	3.26	2.96	3.23	2.93	3.64	2.8
	A -15°C / W 35°C	Thermal power	kW	8.12	17.5	10.15	19.25	12.18	23.1	13.4	34.2
		COP		2.78	2.68	2.67	2.42	2.64	2.39	2.98	2.43
	A -20°C / W 35°C	Thermal power	kW	7	15.1	8.17	15.5	9.75	18.5	10.72	30.2
		COP		2.51	2.42	2.5	2.27	2.37	2.15	2.68	2.25
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	12.7	23.1	15.88	28.8	17.42	31.6	19.16	35
		COP		3.44	2.37	3.3	2.69	3.27	2.66	3.69	2.7
Cooling	A 35°C / W 7°C	Cooling capacity	kW	10.22	18.54	12.65	22.3	18.32	25.3	20.15	25.3
		EER		3.66	3.28	3.45	3.09	3.53	3.16	3.99	3.25
	A 35°C / W 18°C	Cooling capacity	kW	13.4	21.8	16.5	26.9	23.9	32.5	26.3	32.5
		EER		5.04	4.75	4.74	4.48	4.85	4.62	5.47	4.76
Energy class	Average climate			A+++							
Data	Power supply		V/ph/Hz	400/3/50							
Max electrical input*	400V/3ph		kW	9.75		10.71		12.50		20.00	
Noise	Sound pressure at max 1 metre		dB(A)	52							
Compressor	Type			Inverter Scroll							
	Operation			Vapour Injection							
Fan	Type			BLDC inverter							
	Fan diameter		mm	800				910			
	Maximum speed		rpm	600				610			
Finned coil	Fin spacing		mm	2.5							
Exchanger	Type			Plates							
	Material			Stainless Steel							
Refrigerant	Type			R410A							
	Refrigerant amount		kg	8.5				8			
Gas pipe diameter	Continental climate		mm / inches	22 mm / 7/8"		22 mm / 7/8"					
Liquid pipe diameter	Continental climate		mm / inches	12 mm / 1/2"		16 mm / 5/8"					
Hydraulic circuit	Pump type			EC							
Weight	Outdoor unit / Indoor unit		kg	280 / 35				290 / 35			
Dimensions	Outdoor unit / Indoor unit		mm	H1257 × L1791 × P641 / H878.4 × L550 × P208							

*Electrical consumption A-20/W55

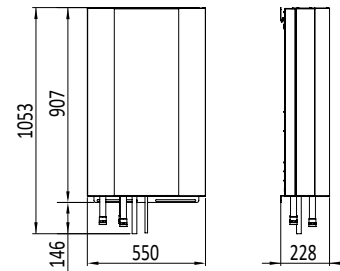| Code	Description	Notes
Mandatory accessory to be chosen from the options – Outdoor Unit		
4.5.1.3	Support brackets for outdoor unit	To be used with 2.1.3.2 or 2.1.3.3
4.5.1.4	Metal legs for outdoor unit	
Mandatory accessory, to be chosen from the options – Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories – Outdoor Unit Wiring		
EL.CV_PT	Flat telephone cable. Available lengths: 6, 10, 20 and 30 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_IM	System – DHW temperature probes cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the puffer probes
Mandatory Accessories – Indoor Unit Wiring		
EL.CV_AL	Circulator and valve power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Mandatory Accessories – Indoor Unit wiring with resistance		
EL.CV_AL-A	Circulator, valve and resistance power supply cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the circulator in the split
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Plumbing add-ons		
4.5.4.1	3-WAY valve kit (body + motor)	
4.5.4.3	UPM XL GEO oversize circulator kit for KITA L33	Alternative to standard circulator
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	

Code	Description	Notes
Electrical add-ons		
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	
4.5.2.3	Integration module kit (K3 relay)	
4.5.3.18	T-split board kit	Board for digital communication between indoor and outdoor units
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
4.5.2.6	QE dual power supply 40A	Alternative to standard single power supply for L Cold
Electronic add-ons		
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
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
Add-ons		
VE.800FG	Flow Grid for d.800 fan	Add-on accessory only for L33/L42
VE.910FG	Flow Grid for d.910 fan	Add-on accessory only for L66/L Cold
4.5.5.1	d.910 fan surcharge	Only for L33/L42
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	Mandatory with brackets 4.5.1.3
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3
4.5.1.9	Outdoor unit protection grid	Protection grid

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
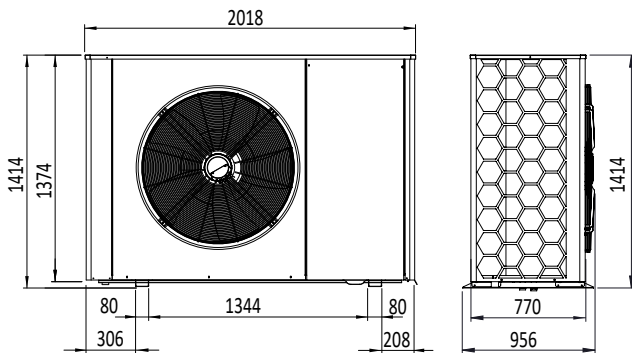
Split

KITA Li Plus line

Li Plus series high-efficiency reversible air-to-water Split heat pumps with Scroll Smart Injection inverter compressor.

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Indoor unit

Outdoor unit - Dimensions with brackets

7" K-TOUCH REMOTE CONTROL PANEL

INVERTER SCROLL COMPRESSOR

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

OPTIMISED SEASONAL PERFORMANCE

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

HOT WATER UP TO 55°C

Ideal for domestic hot water production up to 55°C.

100% ITALIAN DESIGN

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

FULL REMOTE CONTROL

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

ECO-FRIENDLY

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

PRODUCT NAME				Li Plus 3phase	
Product code				**4.1.5.2**	
Operating conditions				Average	Max
Heating	A 7°C / W 35°C	Thermal power	kW	27.66	46.50
		COP		5.02	4.05
	A 2°C / W 35°C	Thermal power	kW	26.83	45.70
		COP		4.25	3.60
	A -7°C / W 35°C	Thermal power	kW	19.70	38.50
		COP		3.20	2.90
	A -15°C / W 35°C	Thermal power	kW	15.83	36.20
		COP		2.72	2.37
Domestic hot water	A 2°C / W 55°C	Thermal power	kW	19.70	41.30
		COP		2.55	2.10
Cooling	A 35°C / W 7°C	Cooling capacity	kW	23.82	35.15
		EER		3.50	3.13
	A 35°C / W 18°C	Cooling capacity	kW	31.07	42.25
		EER		4.80	4.57
Energy class	Average climate			A+++	
Data	Power supply	V/ph/Hz		400/3/50	
Max electrical input*	400V/3ph	kW		20.12	
Noise	Sound pressure at max 1 metre	dB(A)		52	
Compressor	Type			Inverter Scroll	
	Operation			Vapour Injection	
Fan	Type			BLDC inverter	
	Fan diameter	mm		910	
	Maximum speed	rpm		610	
Finned coil	Fin spacing	mm		2.5	
Exchanger	Type			Plates	
	Material			Stainless Steel	
Refrigerant	Type			R410A	
	Refrigerant amount	kg		9	
Gas pipe diameter	Continental climate	mm / inches		28 / 1 1/8"	
Liquid pipe diameter	Continental climate	mm / inches		16 / 5/8"	
Hydraulic circuit	Pump type			EC	
Weight	Outdoor unit / Indoor unit	kg		370 / 44	
Dimensions	Outdoor unit / Indoor unit	mm		H1414 × L2018 × P956 / H878.4 × L550 × P208	

*Electrical consumption A-20/W55

Code	Description	Notes
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include cod. SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Standard. Alternative to PGD 4.5.3.1
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
4.5.3.16	Building Automation 9.7" touch panel display	Alternative to 4.5.3.2
4.5.1.14	Recessed metal frame for 9.7" touch screen panel	
Mandatory Accessories - Outdoor Unit Wiring		
EL.CV_PT	Flat telephone cable. Available lengths: 6, 10, 20 and 30 m	Only necessary if PGD is present. Cable connecting the machine to the PGD (controller)
EL.CV_IM	System - DHW temperature probes cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the puffer probes
Mandatory Accessories - Indoor Unit Wiring		
EL.CV_SN	B3-B4 probes and flowmeter cable. Available lengths: 10, 20 and 30 m	Cable connecting the machine to the probes in the split
Mandatory Plumbing Accessories		
2.4.1.1	Circulation pump YONOS PARA HF 30/12	
Plumbing add-ons		
Kit 3-way valve for DHW consisting of:		
4.5.2.1	DHW module kit (K1 relay)	
4.5.4.1	3-WAY valve kit (body + motor)	
SN.NTCWP3M	DHW temperature sensor	
K-FY	Brass 2" Y-filter with 1 1/4" connections	
Electrical add-ons		
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	

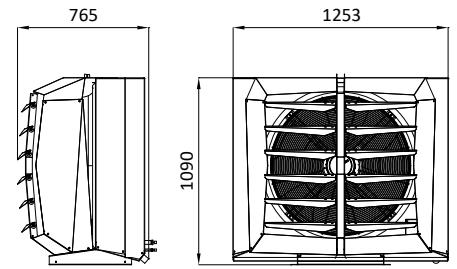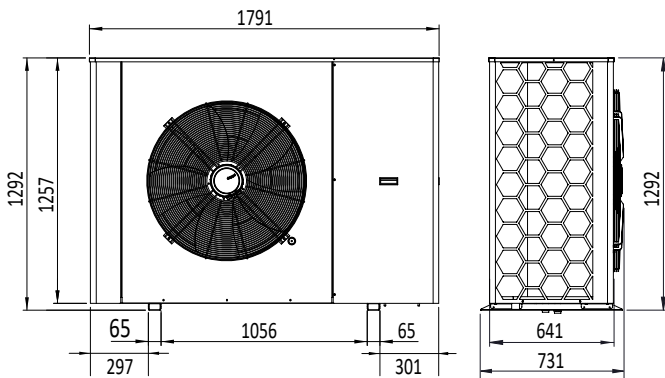| Code	Description	Notes
4.5.2.3	Integration module kit (K3 relay)	
4.5.2.4	Integration module kit (K4 relay)	To be mounted on the outdoor unit when choosing units with resistance
4.5.2.7	3ph 9 kW auxiliary heating element kit	Resistance for supply pipe. Separate installation
K-RSC	Drain pipe heating cable	
4.5.2.6	QE dual power supply 40A	Alternative to standard single power supply
Electronic add-ons		
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
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
Add-ons		
VE.910FG	Flow Grid for d.910 fan	
4.5.1.11	Outdoor unit protection grid	Protection grid
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.

Industrial

KITA Air line

Kita Air is the ideal solution for winter and summer air conditioning of large industrial spaces such as warehouses, sheds, laboratories, gyms and so on.

The outdoor air-to-air unit is equipped with an Inverter Scroll compressor with steam injection that enables operation at outdoor temperatures below -20°C. The direct exchange between the two units using Refrigerant optimises performance both as a heat pump and as a chiller. The indoor unit is also designed with a special fan to minimise its acoustic impact.

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765   1253   1090

Indoor unit

1791   1292   1257   65   1056   65   1292   297   301   641   731

Outdoor unit - Dimensions with brackets

7" K-TOUCH REMOTE CONTROL PANEL

IDEAL FOR LARGE INDUSTRIAL SPACES

For indoor spaces such as sheds, warehouses and production areas: one solution for heating and cooling.

LOW NOISE

Fan with low-speed inverter motor (class A), accurate acoustic insulation and primary components mounted on sophisticated anti-vibration suspensions.

FULL REMOTE CONTROL

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

100% ITALIAN DESIGN

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

PRODUCT NAME				Air 3phase		Air Cold 3phase		Air 3phase - R32	
Product code				**4.3.1.1**		**4.3.1.2**		**4.3.1.4**	
Operating conditions				Average	Max	Average	Max	Average	Max
Heating	Ext. A 12°C / Int. A 20°C	Thermal power	kW	30.00	39.00	30.00	40.00	30,00	39,00
		COP		5.64	4.55	5.75	4.63	5,75	4,7
	Ext. A 7°C / Int. A 20°C	Thermal power	kW	26.50	39.00	29.15	40.00	26,50	39,00
		COP		5.40	4.34	5.30	4.36	5,5	4,45
	Ext. A 2°C / Int. A 20°C	Thermal power	kW	23.50	35.00	25.85	35.00	23,50	35,00
		COP		5.00	3.69	4.87	4.00	5,15	3,75
	Ext. A -7°C / Int. A 20°C	Thermal power	kW	19.00	32.00	20.90	35.00	19,00	32,00
		COP		4.00	3.15	3.89	3.10	4,15	3,2
	Ext. A -15°C / Int. A 20°C	Thermal power	kW	16.50	32.00	18.15	35.00	16,50	32,00
		COP		3.20	2.67	3.12	2.60	3,3	2,7
	Ext. A -20°C / Int. A 20°C	Thermal power	kW	13.70	27.00	15.07	30.00	13,70	27,00
		COP		2.50	2.41	2.43	2.35	2,65	2,5
Cooling	Ext. A 35°C / Int. A 27°C	Cooling capacity	kW	25.00	35.00	27.00	37.00	25,00	35,00
		EER		4.32	4.02	4.43	4.20	4,32	4,02
Energy class	Average climate			A+++					
Data	Power supply		V/ph/Hz	400/3/50					
Max electrical input*	400V/3ph		kW	13.3				15	
Maximum current			A	30					
Noise	Outdoor sound pressure (distance 5 metres)		dB(A)	38					
	Indoor sound pressure (distance 3 metres)		dB(A)	30					
Compressor	Type			Inverter Scroll					
	Operation			Vapour Injection					
Internal fan	Type			BLDC inverter					
	Nominal fan diameter		mm	800					
	Maximum speed		rpm	600					
External fan	Type			BLDC inverter					
	Fan diameter		mm	910					
	Maximum speed		rpm	610					
External heat exchanger	Type			Finned coil					
	Fin spacing		mm	2.5					
Internal heat exchanger	Type			Finned coil					
	Material			1.8					
Refrigerant	Type			R410A				R32	
	Refrigerant amount		kg	11				7,4	
Gas pipe diameter	Continental climate		mm / inches	28 / 1 1/8"					
Liquid pipe diameter	Continental climate		mm / inches	16 / 5/8"					
Weight	Outdoor unit / Indoor unit		kg	285 / 118					
Dimensions	Outdoor unit / Indoor unit		mm	H1257 × L1791 × P641 / H1090 × L1253 × P765					

*Electrical consumption A-20/W55

Code	Description	Notes
Outdoor unit		
4.3.1.1C	KITA AIR outdoor unit with ducted indoor unit	
4.3.1.2C	KITA AIR COLD outdoor unit with ducted indoor unit	
Indoor unit / Indoor unit with resistance		
4.4.1.1	KITA AIR indoor unit	Included in the heat pump price
4.4.1.2	KITA AIR 9KW auxiliary heating element	
4.4.1.3	KITA AIR 13,5KW auxiliary heating element	
4.4.1.4	KITA AIR ducted indoor unit	
4.4.2.1	KITA AIR indoor unit with R-32	
4.4.2.2	R32 KITA AIR auxiliary heating element 9 KW	
4.4.2.3	R32 KITA AIR auxiliary heating element 13,5 KW	
Mandatory accessory to be chosen from the options - Outdoor Unit		
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		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
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 - Outdoor Unit Wiring		
EL.CV_PT6	Flat telephone cable, length 6 m	Cable connecting the machine to the PGD (controller), IF PGD IS INCLUDED
EL.CV_PT10	Flat telephone cable, length 10 m	
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	

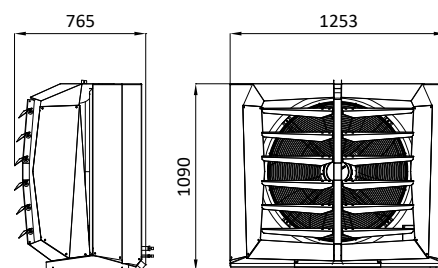| Code	Description	Notes
Electrical add-ons		
2.5.7.1	HCC, 100 m cable coil 2x0.50 sq mm for MODBUS connection	Modbus cable to connect the machine to the HCC (controller)
4.5.2.8	HCC, power supply kit - Pair of 200 m coils (red+black) cable 1 sq mm	
K-RSC	Drain pipe heating cable	
4.5.2.5	SG-READY upgrade	Alternative to standard single power supply
4.5.2.6	QE dual power supply 40A	Alternative to standard single power supply for Air Cold/Air Cold + booster
4.5.3.8	MULTI-AIR, 15.6" touchscreen panel	Including power supply and brackets
Electronic add-ons		
SCHEDA BMS	Electronic board for additional serial port	
Add-ons		
VE.910FG	Flow Grid for d.910 fan	
4.5.6.2	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
2.1.3.1	Pair of wall brackets 860x600 mm for indoor unit	
2.1.3.2	Pair of wall brackets 1200x700 mm for outdoor unit	Only if with 4.5.1.3
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3
4.5.1.9	Outdoor unit protection grid	Protection grid

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.
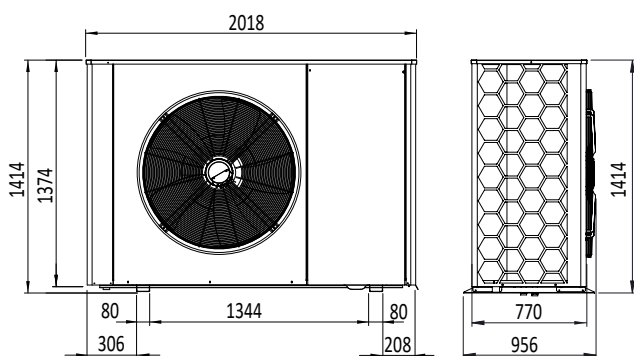
Industrial

KITA Air Plus line

Kita Air Plus is the ideal solution for winter and summer air conditioning of large industrial spaces such as warehouses, sheds, laboratories, gyms and so on.
The outdoor air-to-air unit is equipped with an Inverter Scroll compressor with steam injection that enables operation at outdoor temperatures below -20°C. The direct exchange between the two units using Refrigerant optimises performance both as a heat pump and as a chiller.
The indoor unit is also designed with a special fan to minimise its acoustic impact.

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765   1253

1090

Indoor unit

2018

1414
1374

1414

80   1344   80
306   208
306   208
770
956

Outdoor unit - Dimensions with brackets

7" K-TOUCH REMOTE CONTROL PANEL

IDEAL FOR LARGE INDUSTRIAL SPACES

For indoor spaces such as sheds, warehouses and production areas: one solution for heating and cooling.

LOW NOISE

Fan with low-speed inverter motor (class A), accurate acoustic insulation and primary components mounted on sophisticated anti-vibration suspensions.

FULL REMOTE CONTROL

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

100% ITALIAN DESIGN

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

PRODUCT NAME				Air Plus 3phase	
Product code				**4.3.2.1**	
Operating conditions				Average	Max
Heating	Ext. A 12°C / Int. A 20°C	Thermal power	kW	33.90	50.00
		COP		5.77	4.38
	Ext. A 7°C / Int. A 20°C	Thermal power	kW	32.33	46.70
		COP		5.31	4.03
	Ext. A 2°C / Int. A 20°C	Thermal power	kW	28.61	44.60
		COP		4.91	3.81
	Ext. A -7°C / Int. A 20°C	Thermal power	kW	23.18	39.80
		COP		3.89	3.25
	Ext. A -15°C / Int. A 20°C	Thermal power	kW	18.20	36.80
		COP		2.84	2.38
	Ext. A -20°C / Int. A 20°C	Thermal power	kW	16.00	32.50
		COP		2.54	2.13
Cooling	Ext. A 35°C / Int. A 27°C	Cooling capacity	kW	33.60	46.00
		EER		5.10	4.15
Energy class	Average climate			A+++	
Data	Power supply		V/ph/Hz	400/3/50	
Max electrical input	400V/3ph		kW	16.7	
Maximum current			A	40	
Noise	Outdoor sound pressure (distance 5 metres)		dB(A)	38	
	Indoor sound pressure (distance 3 metres)		dB(A)	30	
Compressor	Type			Inverter Scroll	
	Operation			Vapour Injection	
Internal fan	Type			BLDC inverter	
	Nominal fan diameter		mm	800	
	Maximum speed		rpm	600	
External fan	Type			BLDC inverter	
	Fan diameter		mm	910	
	Maximum speed		rpm	610	
External heat exchanger	Type			Finned coil	
	Fin spacing		mm	2.5	
Internal heat exchanger	Type			Finned coil	
	Material			1.8	
Refrigerant	Type			R410A	
	Refrigerant amount		kg	13	
Gas pipe diameter	Continental climate		mm / inches	28 / 1 1/8"	
Liquid pipe diameter	Continental climate		mm / inches	16 / 5/8"	
Weight	Outdoor unit / Indoor unit		kg	370 / 119	
Dimensions	Outdoor unit / Indoor unit		mm	H1414 × L2021 × P956 / H1090 × L1253 × P765	

*Electrical consumption A-20/W55

Code	Description	Notes
Outdoor unit		
4.3.2.1C	KITA AIR Plus outdoor unit with ducted indoor unit	
Indoor unit / Indoor unit with resistance		
4.4.2.1	KITA AIR Plus indoor unit	Included in the heat pump price
4.4.2.2	KITA AIR PLUS 9KW auxiliary heating element	
4.4.2.3	KITA AIR PLUS 13,5KW auxiliary heating element	
4.4.1.4	KITA AIR ducted indoor unit	
Mandatory accessory, to be chosen from the options - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include code SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Alternative to PGD 4.5.3.1.
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 - Outdoor Unit Wiring		
EL.CV_PT6	Flat telephone cable, length 6 m	
EL.CV_PT10	Flat telephone cable, length 10 m	Cable connecting the machine to the PGD (controller), IF PGD IS INCLUDED
EL.CV_PT20	Flat telephone cable, length 20 m	
EL.CV_PT30	Flat telephone cable, length 30 m	
Electrical add-ons		
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 coils (red+black) cable 1 sq mm	
K-RSC	Drain pipe heating cable	
4.5.2.6	QE dual power supply 40A	Alternative to standard single power supply
4.5.3.8	MULTI-AIR, 15.6" touchscreen panel	Including power supply and brackets
Electronic add-ons		
SCHEDA BMS	Electronic board for additional serial port	

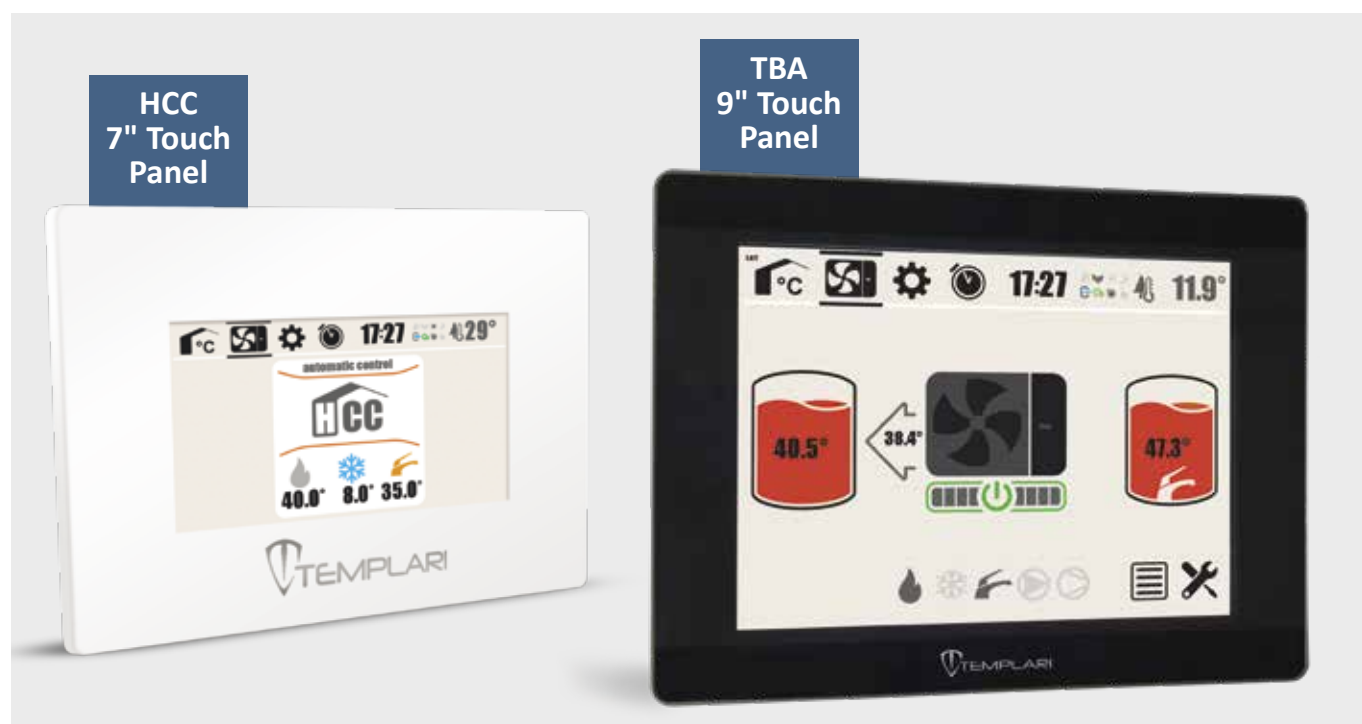| Code	Description	Notes
Add-ons		
VE.910FG	Flow Grid for d.910 fan	
2.1.3.1	Pair of wall brackets 860x600 mm for indoor unit	
2.1.3.3	BASE SBR floor supports, dimensions L250xH95xP130	
2.1.3.4	EXTENSION floor supports for base, dimensions L250xH95xP130	Supplied with code 2.1.3.3
4.5.1.11	Outdoor unit protection grid	Protection grid

NOTE: 4.6.1.1: refrigerant gas cost not included. Variable based on market rates.

Remote control

HCC and TBA comfort management

The HCC (House Climate Control) system enables management of the KITA heat pump via MODBUS and integrates it with the building's heating system. With additional accessories, a single panel can manage heating, cooling, dehumidification and the production of domestic hot water, as well as control the temperature and humidity of spaces and manage booster pumps, mixing and zone valves. The system can be customised according to the type of building system: up to 3 circuits with different flow temperatures and up to 12 independent spaces.
The accessories are: touchscreen panel, I/O floor board, room temperature and humidity sensors.
7" HCC panel dim. W238xH175xD51 mm, 9" TBA panel dim. W260.6×H203×D36.5 mm.

**HCC
7" Touch
Panel**

**TBA
9" Touch
Panel**

ROOM sensor

Temperature and humidity sensor communicates via MODBUS with the touch panel. In addition to displaying environmental information, it can be used to change the individual room setpoint.
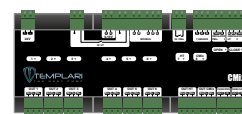Dim. L107xH84xP13.5 mm

DEU module

Dehumidification/humidification control module that controls the dehumidification battery of the mechanical ventilation or the humidification system.

FLOOR board

Electronic board that uses a relay to control the activation/deactivation of the devices in the system: on/off or modulating circulation pumps, zone valve heads, on/off or modulating mixing valves, dehumidifiers, and hydronic splits.
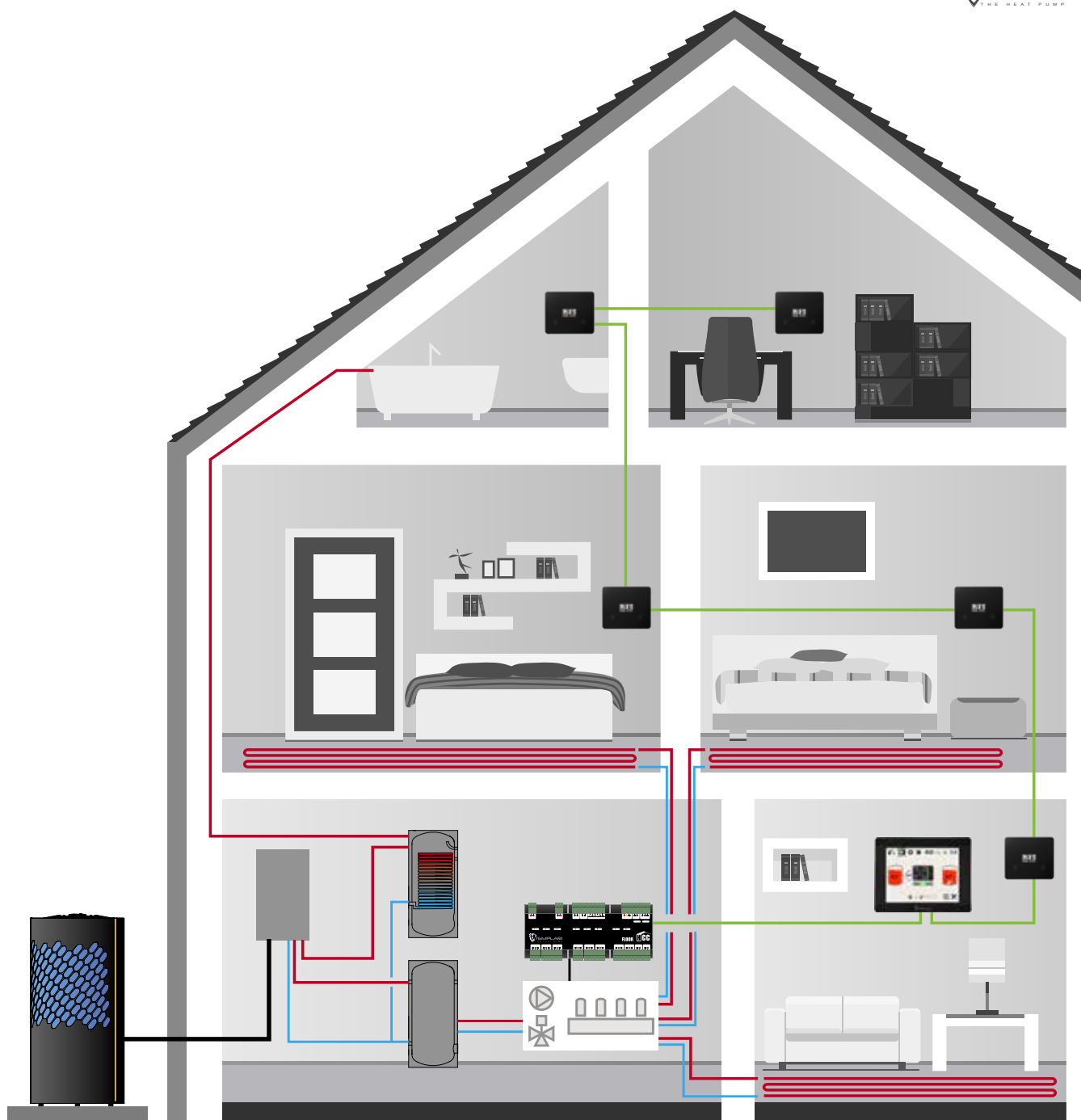Dim. L212.5×H97×P32.2 mm

C- MIX board

Derived from the FLOOR board, it has a modified firmware to manage:
• 1 mixed circuit
• 1 direct, unmixed circuit (High Temperature, or HT).
The commands to activate the two circuits are transmitted via 2 dry contacts.
The C-Mix board allows the Kita heat pump to be interfaced with conventional systems with a dry contact chronothermostat.
Dim. L212.5×H97×P32.2 mm

Code	Description	Notes
Compulsory Accessories - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.2 it is mandatory to include cod. SCHEDA BMS
4.5.3.2	7" Touchscreen Panel	Standard. Alternative to PGD 4.5.3.1
HCC-F01	Metal frame for flush mount touch panel	
HCC-F02	Metal frame for surface mount touch panel	Alternative to the HCC-F01 flush mount frame
4.5.3.16	Building Automation with 9.7" touch panel	Alternative to 4.5.3.2
4.5.1.14	Flush mount frame for 9.7" touch panel	
Electrical add-ons		
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	
Electronic add-ons		
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
SCHEDA BMS	Electronic board for additional serial port	Mandatory with the purchase of any of: 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	

Code	Description	Notes
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	
4.5.3.13	Auxiliary resistance Modbus board for DIN rail	

Note: the diagram is for illustrative purposes only. For connections, see the wiring diagram in our manual.

Remote control

Multikita

The Multikita system is the solution developed by Templari to monitor and integrate the power of several heat pumps in a single system, such as in commercial buildings and apartment blocks. By using a convenient 7" touch panel with simple, intuitive graphics you can manage and control up to six Kita units.

Using the probes installed on the first heat pump and thanks to its operating logic, the software calculates the system's demand and distributes it to all the heat pumps, including the management of domestic hot water (if present).

The user only has to set a few parameters via the touchscreen, and Multikita takes care of the rest. With its user-friendly management interface, the desired parameters can be entered with just a few taps. To make management even more flexible, Templari offers the option to remotely control the system via computer/tablet/mobile devices.

Code	Description	Notes
Compulsory Accessories - Controller		
4.5.3.1	PGD display kit	With 4.5.3.1+4.5.3.7 it is mandatory to include code SCHEDA BMS
4.5.3.7	Multikita management module with 7" touchscreen	Alternative to PGD 4.5.3.1.
HCC-F01	Recessed metal frame for touch screen panel	
HCC-F02	On wall metal frame for touch screen panel	Alternative to HCC-F01
Electrical add-ons		
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	
4.5.3.9	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	

Code	Description	Notes
4.5.3.12	3-way auxiliary valve Modbus board for DIN rail	
4.5.3.13	Auxiliary heating Modbus board for DIN rail	
4.5.3.14	Multikita Integration Modbus board, for DIN rail	
Electronic add-ons		
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
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

* Each of the units connected to the Multikita system must be equipped with a BMS board in order to be controlled from the central panel.

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