



KITA MP

High-efficiency reversible air-to-water

Technology
Made in Italy



RESIDENTIAL



High efficiency air-water reversible monoblock MP series heat pumps, with inverter scroll compressor.

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:



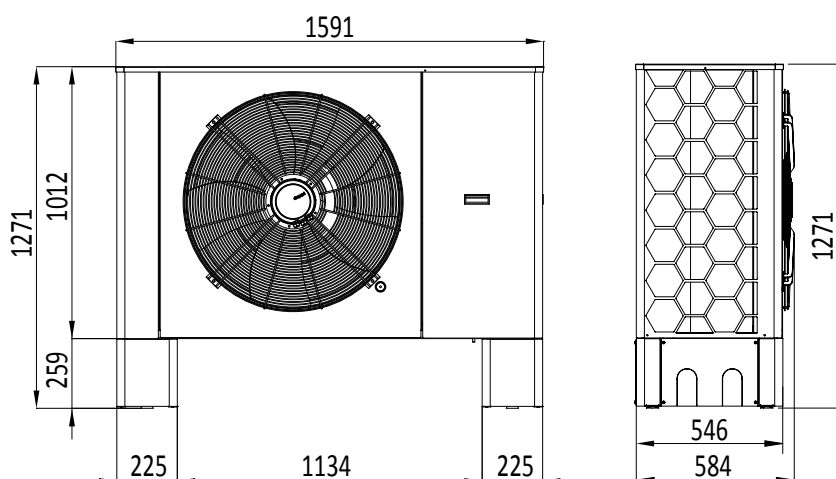
KITA MP/R290

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 kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qh kW	COP	Qc kW	EER	Qc kW	EER
MP-16 4.1.8.2	17,34	5,62	15,04	4,75	13,58	4,16	11,36	2,95	9,13	2,53	7,84	2,21	11,52	2,11	12,00	3,11	12,00	5,61
MP-20 4.1.8.4	22,47	5,63	20,00	4,90	18,42	4,27	16,38	3,16	13,25	2,58	11,49	2,25	16,38	2,37	12,00	3,38	12,00	5,41

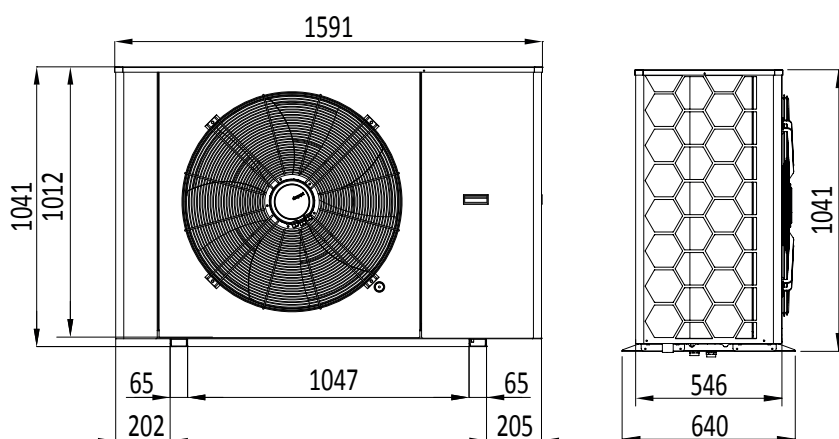
TECHNICAL DATA

Energy class:	A+++	Exchanger:	Type: Plates Material: stainless steel
Noise level:	Max sound pressure at 1 meter distance: 45 dB(A)	Refrigerant:	R290
Compressor:	Inverter Scroll	Diameter of water pipes:	Input: 1" Output: 1"
External fan:	BLDC type Nominal diameter: 800 mm Max Speed: 600 rpm	Hydraulic circuit:	Pump type: EC
Finned coil:	Fin spacing: 2,5 mm	Dimensions:	1012 mm (H) x 1591 mm (L) x 546 mm (P)

DIMENSIONS WITH LEGS



DIMENSIONS WITH BRACKETS



High-efficiency reversible air-to-water

Mandatory accessory to be chosen from the options - Outdoor Unit

Code	Description	Note
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 4.5.1.10

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

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
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	

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	Modbus cable to connect the machine to the HCC (controller)
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	
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
SCHEMA 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

Optional

Code	Description	Note
4.5.1.8	Outdoor unit protection grid	Protection grid
4.5.1.13	Fan cover	Front Grid
VE.800FG	SILENCE KIT surcharge for outdoor unit	Alternative to standard insulation
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