

BLUEHELIX HITECH RRT B K 50

CONDENSATION BASE BOILER, STAINLESS STEEL DOMESTIC HOT WATER STORAGE



> STRENGTHS:

- **Boiler** with **high thickness stainless steel primary exchanger, with increased passages** (at the top of the category) to guarantee durability and reduced maintenance, maintains high efficiency even on old plants with oxidation and dirt
- **SYSTEM**: combined with the remote modulating control and with the external probe (optional), it reaches the higher efficiency class **A***
- Easily adapts to load conditions thanks to the **wide modulation range** that can reach up to **1:10**
- **MC²: Multi Combustion Control**, a combustion system with patented gas-adaptive technology of industrial derivation for a better adaptability of use to varying conditions of the gas network (e.g. fluctuations or reduced pressures)
- **M.G.R.: Methane, Gpl, propanated air Ready** through a simple configuration, the boiler is able to operate on methane, LPG and propanated air without the use of additional conversion kits
- Exclusive **heat exchanger-burner system with self-cooled door**: simplifies maintenance and reduces cost thanks to fewer parts to replace.
- **Production of domestic hot water** with 50-litre stainless steel storage
- Preparation for **recirculation attacks**
- **Easy access hydraulic and gas connections** to facilitate replacements of old generators
- **Flue gas discharge with split or coaxial pipes**; possibility of right and left side outlet, rear
- **By-pass as standard**
- **"Range Rated"** certified generator: the maximum thermal flow in heating can be adapted to the thermal demand of the system while maintaining the efficiency values declared in the approval

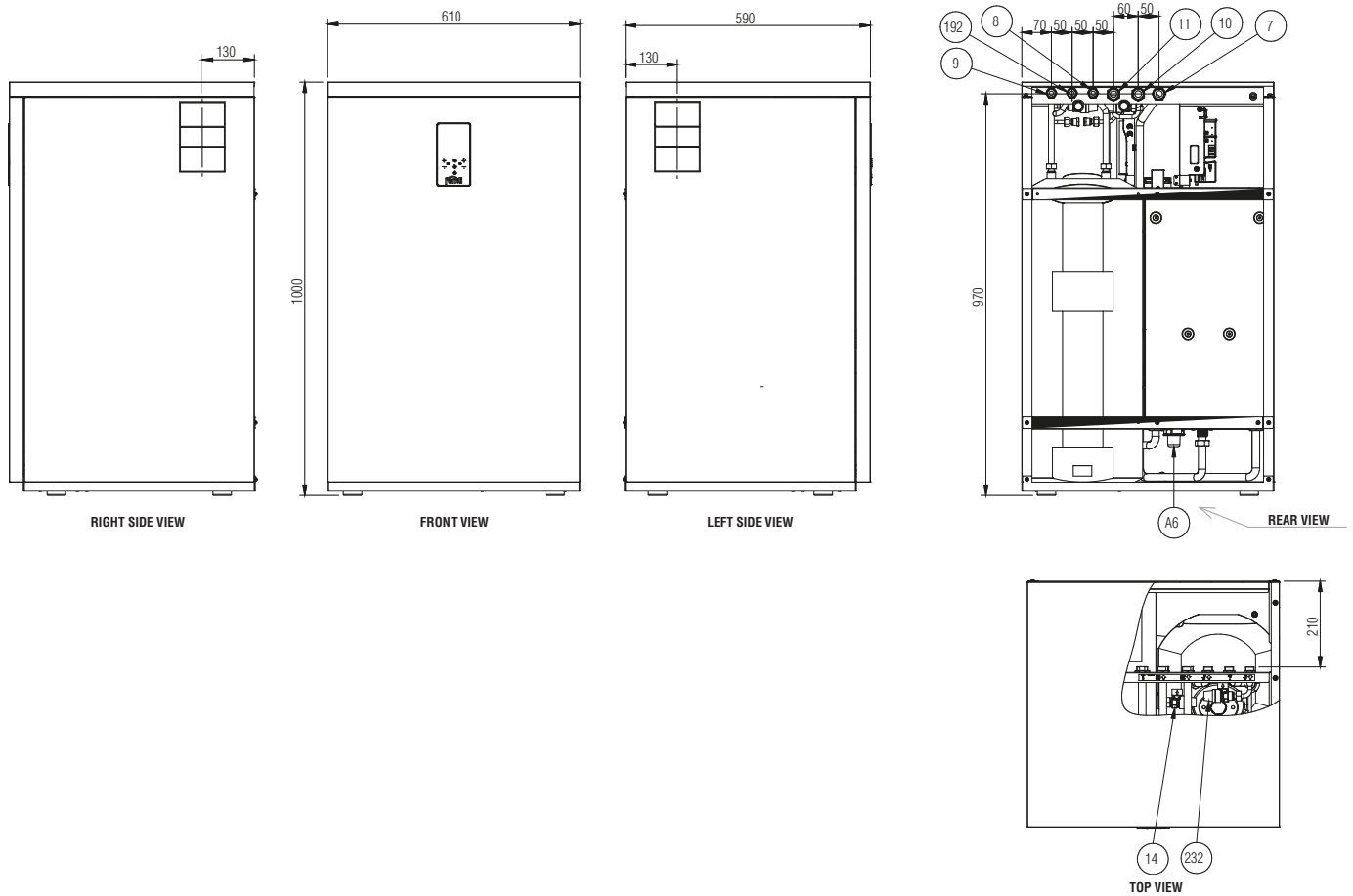
> ADVANTAGES OF BLUEHELIX HITECH RRT B K 50:

- **Particularly suited to operating in flues requiring "heavy-duty" pipes** thanks to approval for operation with flue gas exhaust pipes with a diameter of 50mm
- **F.P.S: Flue Protection Systems**. The smoke clapper valve fitted as standard on the boiler allows easy connection to collective pressure flue systems (e.g. in renovations), in accordance with UNI 7129 standard
- **Designed to simplify and facilitate normal maintenance and cleaning**
- **Anti-legionella** function with programmable timing from 1 to 7 days
- **Timed anti-lock** for circulator and three-way valve
- **Sliding temperature operation** via optional external probe
- **Installation site**: also for outdoor use in partially protected areas up to -5°C as standard



MODEL			B 34 K 50
ERP Class			
		XXL	
Heat input	Min / Max Heating Max DHW	kW kW	3.5 / 30.6 34.7
Thermal power 80°C-60°C 50°C-30°C	Min / Max Heating Max DHW	kW kW	3.4/30.0 34.0
	Min / Max Heating	kW	3.8/32.5
Useful thermal efficiency	80°C-60°C	Pmax % / Pmin %	97.9 / 98.0
	50°C-30°C	Pmax % / Pmin %	106.1 / 107.5
	Reduced load	30% Pmax %	109.6
Boiler capacity		litres	50
Domestic hot water production	Δt 30°C	l/10 min	206
	Δt 30°C	l/h	1016
Heating working pressure	Max	bar	3
DHW operating pressure	Max	bar	9
Empty weight		kg	65
CODE		NATURAL GAS	OT4U7AWA

BLUEHELIX HITECH RRT B K 50



> ACCESSORIES FOR FLUES DIAMETER Ø 50 MM

DESCRIPTION	CODE
 Extension kit 1 mt Ø 50 split	041086X0
 90° Ø 50 split curve kit	041085X0
 Reduction kit M-F from Ø 80 to Ø 50 doubled (1 piece)	041087X0

> LEGEND

- 7 Gas inlet - Ø 3/4"
- 8 Domestic hot water supply - Ø 1/2"
- 9 Domestic hot water inlet - Ø 1/2"
- 10 System delivery - Ø 3/4"
- 11 System return - Ø 3/4"
- 14 Heating safety valve
- 192 Recirculation - Ø 1/2"
- 232 DHW safety valve
- A6 Condensate drain connection

> HYDRAULIC AND CONTROL ACCESSORIES - STARTING FLUE ACCESSORIES

DESCRIPTION	CODE
 external probe	013018X0
 Thermostatic mixer kit 1/2" connections	013002X0
 Thermoregulations - Plates to the chapter THERMOREGULATIONS, HIGH POWER THERMAL GENERATORS	

DESCRIPTION	CODE
 90° coaxial curve, 360° rotatable with 45° pitch Ø 100/60 mm for condensing boilers	041084X0
 Exhaust kit 80/80 separate tubes for condensing boilers complete with sockets for analysis	041082X0