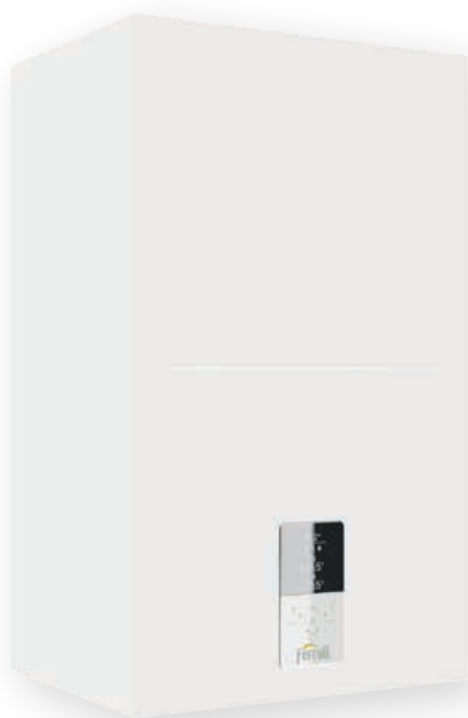


BLUEHELIX HITECH RRT

WALL HUNG CONDENSING BOILERS INSTANT DOMESTIC, HOT WATER PRODUCTION ON MODEL. "C"



> STRENGTHS:

- **Boiler** with high thickness stainless steel primary heat exchanger, with large passes (the largest in the category) guaranteeing duration and reduced maintenance, it maintains high efficiency even on old systems with oxidation and soiling
- **CONNECT SYSTEM**: being combined with the **CONNECT** modulating remote control, and the outdoor temperature reading directly from the internet, it reaches the **maximum energy efficiency A+**
- **Class 6 NOx**: already in compliance with the requirements of the ErP regulation of 26.09.2018 (NOx emissions < 56mg/kWh)
- **MC²: Multi Combustion Control**, new combustion system with industrial-derived gas-adaptive patented technology for better adaptability of use to the varying gas network conditions (e.g. pressure fluctuations or drops)
- **M.G.R: Methane LPG Ready**, with a simple configuration the boiler can run on methane or LPG without using additional conversion kits
- Exclusive exchanger-burner system with **self-cooling door**: it simplifies maintenance and lowers the cost thanks to a lower number of consumable parts
- **Instantaneous production** of domestic hot water with a dedicated DHW plate exchanger on version C. version H can be connected with a free-standing DHW tank
- **Hydraulic fittings** covered by the boiler casing
- Large **multi-purpose backlit** graphic display to set parameters easily and correctly
- **Bypass** as per standard
- It easily adapts to the load conditions thanks to the **broad modulating range** that can reach 1:10 (1:10 mod. 34 C, 1:9 mod. 28 C, 1:7 mod 24 C).

> ADVANTAGES OF BLUEHELIX HITECH RRT:

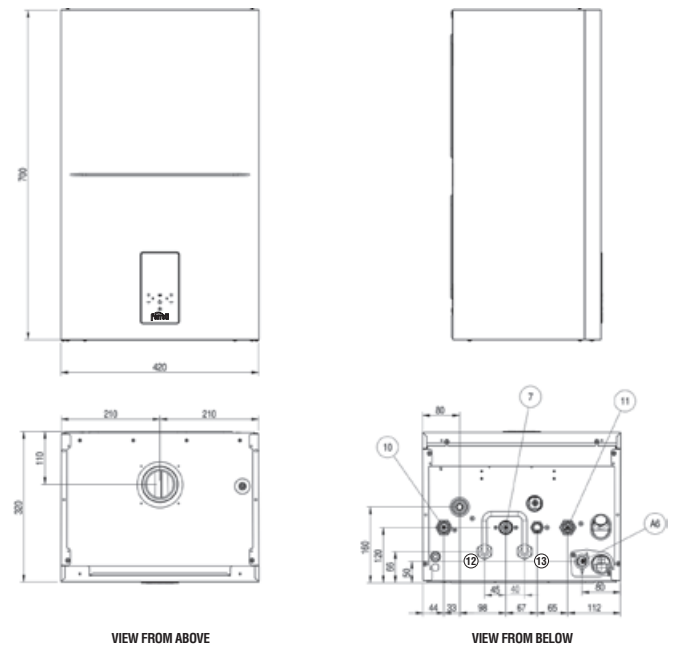
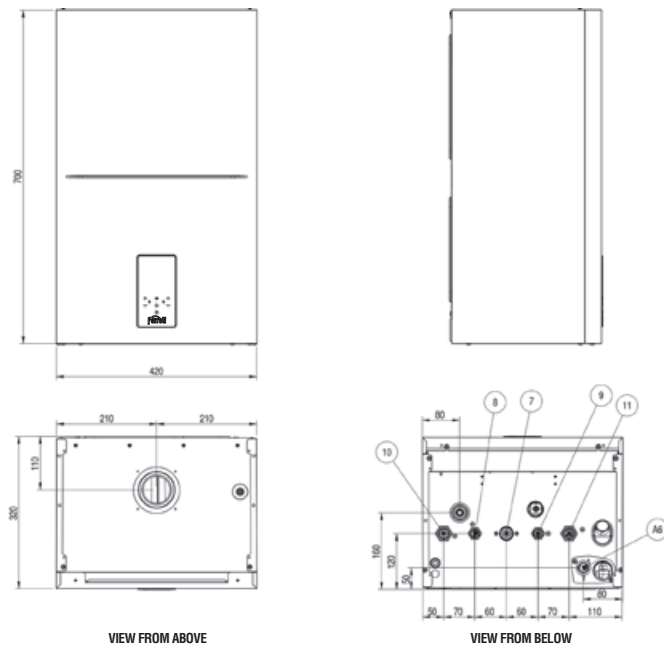
- **Particularly suitable for operation in flues requiring "heavy duty" pipes thanks to approval for operation with 50mm diameter flue outlets**
- **F.P.S:** Flue gas Protection System. The **flue gas check valve** provided as per standard offers easy connection to pressurised collective flue systems (e.g. in restructuring), in accordance with regulation UNI 7129
- Designed to **simplify and make normal** maintenance and cleaning **steps easier**
- **Solar system set-up**: set up for the production of domestic hot water combined with solar panel systems (mod. C)
- **ECO function** in DHW mode for more savings when hot water is not really used (only for version C)
- **Digital flame control** with three ignition attempts if operation gets blocked due to failed flame detection (only in natural gas mode)
- **Place of installation**: also outdoors, in a partially protected place down to -5°C as per standard and even -15°C with the addition of the optional antifreeze heaters kit



BLUEHELIX HITECH RRT		24 C	28 C	34 C	28 H	34 H	45 H
ERP Class							
					-	-	-
Heating max /min heat input	kW	20.4 / 3.5	24.5 / 3.5	30.6 / 3.5	28.5 / 3.5	34.7 / 3.5	43.9 / 6.4
Heating max /min heat output (80/60°C)	kW	20.0 / 3.4	24.0 / 3.4	30.0 / 3.4	27.9 / 3.4	34.0 / 3.4	42.9 / 6.3
Heating max /min heat output (50/30°C)	kW	21.6 / 3.8	26.0 / 3.8	32.5 / 3.8	30.2 / 3.8	36.8 / 3.8	46.5 / 6.9
DHW max heat input (Hi)	kW	25.0	28.5	34.7	-	-	-
DHW min heat input (Hi)	kW	3.5	3.5	3.5	-	-	-
DHW max / min heat output	kW	24.5 / 3.4	28.0 / 3.4	34.0 / 3.4	-	-	-
Pmax / Pmin efficiency (80-60°C) (Hi)	%	98.1 / 98.0	98.1 / 98.0	97.9 / 98.0	98.1 / 98.0	97.9 / 98.0	97.8 / 98.0
Pmax / Pmin efficiency (50-30°C) (Hi)	%	106.1 / 107.5	106.1 / 107.5	106.1 / 107.5	106.1 / 107.5	106.1 / 107.5	106.1 / 107.6
Efficiency 30%	%	109.7	109.7	109.5	109.5	109.5	109.5
Max / Min heating working pressure	bar	3 / 0.8	3 / 0.8	3 / 0.8	3 / 0.8	3 / 0.8	3 / 0.8
Max heating temperature	°C	95	95	95	95	95	95
DHW max / min working pressure	bar	9 / 0.3	9 / 0.3	9 / 0.3	-	-	-
DHW flow rate Δt 25°C / Δt 30°C	l/min	14 / 11.7	16.1 / 13.4	19.5 / 16.2	-	-	-
Empty weight	kg	28	28	32	28	32	35
No. of pieces/pallet	nr.	10	10	10	10	10	10
CODE	NAT GAS/LPG	0T4B2AWA	0T4B4AWA	0T4B7AWA	0T4D4AWA	0T4D7AWA	0T4D9AWA

BLUEHELIX HITECH RRT C

BLUEHELIX HITECH RRT H



> ACCESSORIES FOR FLUES DIAMETER Ø 50 MM

	DESCRIPTION	CODE
	Extension 1 m Ø 50 twin pipes	041086X0
	Bend 90° Ø 50 twin pipes	041085X0
	Reduction from Ø 80 to Ø 50 twin pipes (1 piece)	041087X0

KEY

- 7 3/4" gas inlet
- 8 1/2" DHW outlet
- 9 1/2" DHW inlet
- 10 3/4" system delivery
- 11 3/4" system return
- 12 3/4" flow to tank
- 13 3/4" return from tank
- A6 condensate discharge connection

> HYDRAULIC AND CONTROL ACCESSORIES - STARTING FLUE ACCESSORIES

	DESCRIPTION	CODE
	galvanised template	046049X0
	kit for connection of fittings complete with gas tap with cone, DHW tap, 2 system taps, pipes, nipple, gaskets (model C only)	012043W0
	kit for connection of fittings complete with gas tap with cone, DHW tap, pipes, nipple, gaskets (model C only)	012048W0
	kit for connection of 5 pipe fittings NB: the kit does not include taps and connection nipples (model C only)	012049W0
	outdoor probe	013018X0
	thermostatic mixer kit 1/2" connections	013002X0

	DESCRIPTION	CODE
	90° coaxial bend, 360° swivel with 45° pitch Ø 100/60 mm for condensing boilers	041084X0
	coupling for vertical coaxial pipe Ø 80/125 mm for condensing boilers	041006X0
	coupling for vertical coaxial pipe Ø 100/60 mm for condensing boilers	041083X0
	discharge kit twin pipes 80/80 for condensing boilers complete with test point	041082X0
	auxiliary antifrost kit down to -15°C	013022X0
	additional sensor for managing any external storage tank (model H only)	cable 2 m 1KWMA11W
		cable 5 m 043005X0