

BLUEHELIX ALPHA

WALL HUNG CONDENSING BOILERS INSTANTANEOUS DHW PRODUCTION



> STRENGTHS:

- Boiler with single-circuit stainless steel primary exchanger without joints and/or welding, it maintains high efficiency even in old systems.
- **MC²: Multi Combustion Control**, new combustion system with gas-adaptive patented technology of industrial origin for better adaptability of use to the varying gas mains conditions (e.g. pressure fluctuations or drops)
- **M.L.R: Methane, LPG, Propane-air Ready** with a simple configuration the boiler can run on methane, LPG and propane-air without using additional conversion kits
- **Instantaneous production** of domestic hot water with a **dedicated** DHW plate exchanger
- User interface with display and multi-purpose keys to adjust and set the parameters
- **Bypass as per standard**

> ADVANTAGES OF BLUEHELIX ALPHA:

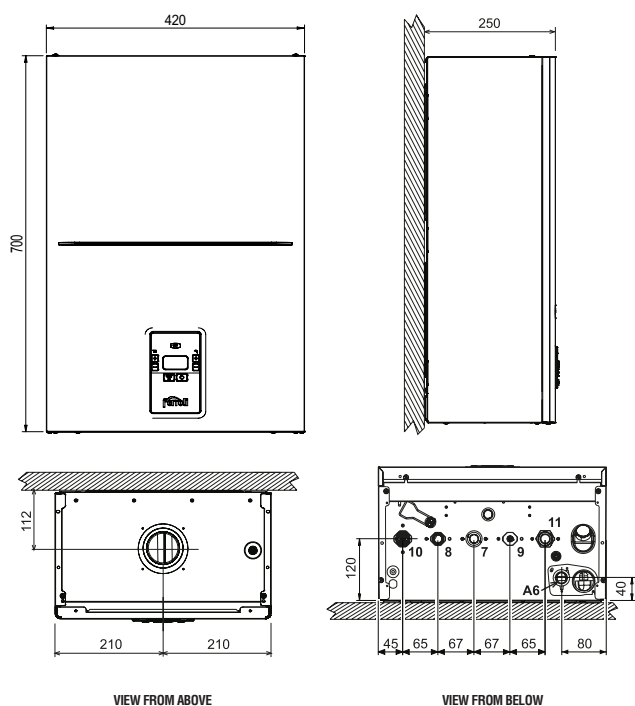
- **Solar system set-up:** set up for the production of domestic hot water combined with solar panel systems
- **Flue ducting:** particularly suitable for operation in flues requiring "heavy duty" pipes thanks to approval for operation with 50mm diameter flue outlets.
- **Minimum polluting emissions** (class 6 according to EN 15502-1)
- **Sliding temperature operating mode** through outdoor probe (optional)
- **Low consumption modulating** circulator (ErP Ready - Class A)
- **<MC²> SYSTEM**: (for **mod. 28C** and **34C**) combined with the modulating remote control CONNECT, it reaches the top efficiency class A+
- User interface with display and multi-purpose keys to adjust and set the parameters
- **Digital flame control** with three ignition attempts if operation gets blocked due to failed flame detection (methane mod.)
- **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
- Removable **casing** into three pieces for easier maintenance or inspection.
- **F.P.S.:** Flue gas Protection System. The optional flue gas accessory (041106X0 - Exhaust gas check valve kit), which can be installed outside the boiler, allows an easy connection to pressurised collective flue systems (e.g. in restructuring), in accordance with the UNI 7129 standard.

NOTE: the kit cannot be used in recessed installations.

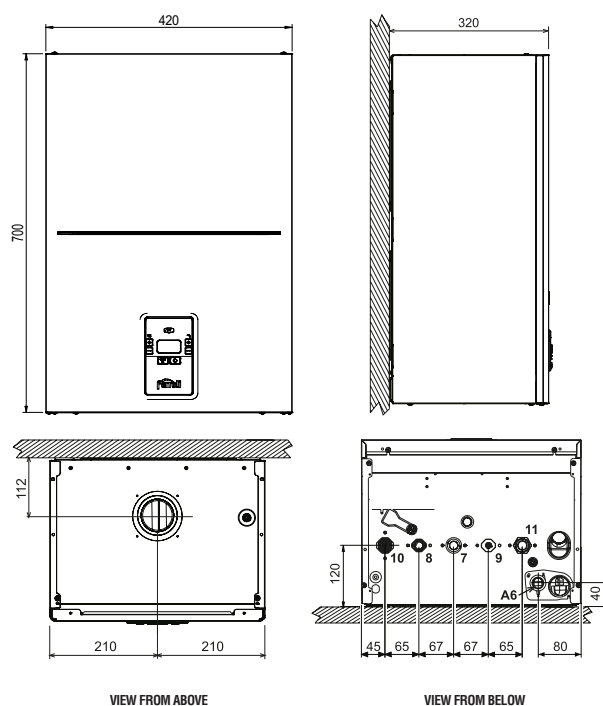


BLUEHELIX ALPHA		24 C	28 C	34 C
ERP Class				
Heating max / min heat input (Hs)	kW	20.6 / 4.2	24.5 / 4.8	30.7 / 5.0
Heating max / min heat output (80/60°C)	kW	20 / 4.1	24 / 4.7	30 / 4.8
Heating max / min heat output (50/30°C)	kW	21.8 / 4.5	26 / 5.0	31.9 / 5.4
DHW max / min heat input (Hi)	kW	25 / 4.2	28.5 / 4.8	34.8 / 5.0
DHW max / min heat output	kW	24.3 / 4.1	28.0 / 4.8	34.0 / 4.8
Pmax efficiency (80-60°C) (Hi)	%	97.1	97.8	97.7
Pmin efficiency (80-60°C) (Hi)	%	97.0	97.6	97.2
Pmax efficiency (50-30°C) (Hi)	%	105.8	106.1	106.2
Pmin efficiency (50-30°C) (Hi)	%	106.9	107.3	107.1
Efficiency 30%	%	108.8	109.7	109.7
Max / Min heating working pressure	bar	3 / 0.8	3 / 0.8	3 / 0.8
Max heating temperature	°C	95	95	95
Heating water content	litres	3.0	3.4	4.3
Heating expansion vessel capacity	litres	8	8	10
Heating expansion vessel preload pressure	bar	0.8	0.8	0.8
DHW max / min working pressure	bar	9 / 0.3	9 / 0.3	9 / 0.3
DHW flow rate Δt 25°C	l/min	14	16.1	19.5
DHW flow rate Δt 30°C	l/min	11.7	13.4	16.2
Empty weight	kg	27	27	31
No. of pieces/pallet	nr.	12	12	10
CODE	NAT GAS/LPG	OTPF2AWA	OTPF4AWA	OTPF7AWA

BLUEHELIX ALPHA 24 C - 28 C



BLUEHELIX ALPHA 34 C



> 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 flow
- 11 3/4" system return

> HYDRAULIC AND CONTROL ACCESSORIES - STARTING FLUE ACCESSORIES

DESCRIPTION	CODE
 kit for connection of fittings complete with gas tap with cone, DHW tap, 2 system taps, pipes, nipple, gaskets	012043W0
 kit for connection of fittings complete with gas tap with cone, DHW tap, pipes, nipple, gaskets	012048W0
 kit for connection of 5 pipe fittings nb: the kit does not include taps and connection nipples	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
 Kit backflow preventer valve	041106X0
 auxiliary antifrost kit down to -15°C	013022X0