



Regulation and control panel

1. Key to increase/decrease domestic hot water storage tank temperature (opt.)
2. Key to increase/decrease central heating temperature
3. Display
4. Reset - "Sliding Temperature" Menu Key
5. "Winter", "Summer", "Appliance OFF", "ECO", "COMFORT" mode selection key
6. Service Tool connection



Accessories on demand

Code	Description
012043W0	kit for connection of fittings complete with gas tap with cone, DHW tap, 2 system taps, pipes, nipple, gaskets
012048W0	kit for connection of fittings complete with gas valve with cone, DHW tap, pipes, nipple, gaskets
012049W0	kit for connection of 5 pipe fittings NB: the kit does not include taps and connection nipples
013018X0	Outdoor probe kit
041083X0	Coupling for vertical coaxial pipe ø 100/60 mm for condensing boilers
041083X0	Coupling for vertical coaxial pipe ø 100/60 mm for condensing boilers
041006X0	Coupling for vertical coaxial pipe ø 80/125 mm for condensing boilers
041084X0	90° coaxial bend, 360° swivel with 45° pitch ø 100/60 mm for condensing boilers
041082X0	Kit for 80/80 twin pipes discharge for condensing boilers complete with test point
013022X0	Auxiliary antifrost kit down to -15°C

Alhena

Wall hung condensing boilers with instantaneous DHW production

- 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 industrial-derived gas-adaptive patented technology for better adaptability of use to the varying gas network 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 the use of any 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
- 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)
- **A+ SYSTEM**: (for mod. 28C and 34C) combined with the modulating remote control CONNECT, it reaches the top efficiency class A+ (scale from G to 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.

Boiler code	Boiler model
OTPF2AWD	ALHENA 24 C (M/GPL)
OTPF4AWD	ALHENA 28 C (M/GPL)
OTPF7AWD	ALHENA 34 C (M/GPL)

Code	Description
041106X0	Kit backflow preventer valve
041086X0	Extension 1 m ø 50 twin pipes
041085X0	Bend 90° ø 50 twin pipes
041087X0	Reduction from ø 80 to ø 50 twin pipes (1 piece)

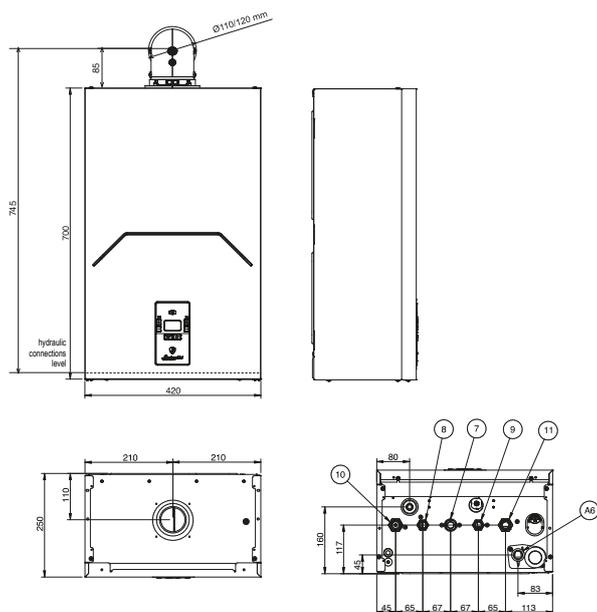
Wall hung condensing boilers

Technical data

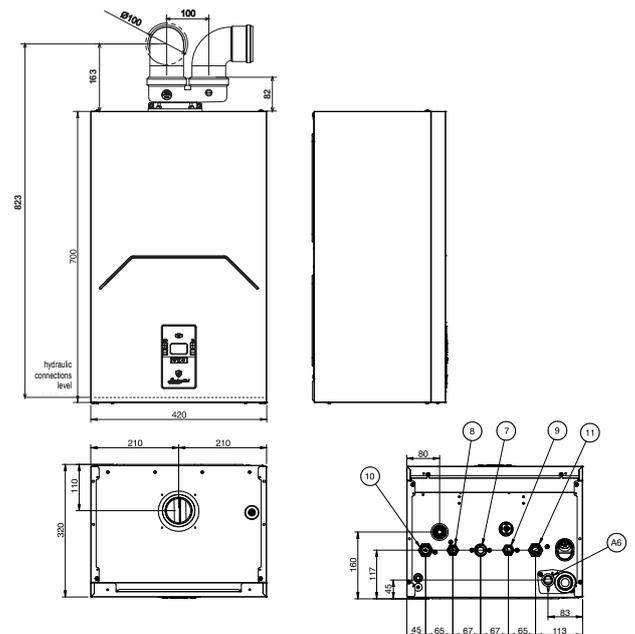
ALHENA		24 C	28 C	34 C
ERP Class	 (Class G - A ⁺⁺)			
	 (Class G - A)	 	 	 
Heating max / min heat input (Hs)	kW	22.9 / 4.7	27.2 / 5.3	34.1 / 5.5
Heating max / min heat output (80/60°C)	kW	20 / 4.1	24 / 4.7	30 / 4.8
Heating max / min heat output (50/30°C)	kW	21.8 / 4.5	26 / 5.0	31.9 / 5.4
DHW max / min 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 / 4.7	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	2.9	2.9	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

Dimensions (in mm)

ALHENA 24 C - 28 C



ALHENA 34 C



7	Gas inlet	Ø 3/4"
8	DHW water outlet	Ø 1/2"
9	DHW inlet	Ø 1/2"
10	System flow	Ø 3/4"
11	System return	Ø 3/4"
A6	Condensate discharge connection	-