

Alhena Tech B K 50

Condensation base boiler with stainless steel sanitary storage

- **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
- **Range Rated** 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, new combustion system with patented gas-adaptive technology of industrial derivation for better adaptability of use when gas network conditions change (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
- **"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
- 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
- Smoke discharge with split or coaxial pipes; possibility of right and left side outlet, rear
- **By-pass as standard**
- 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 gas protection system. 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

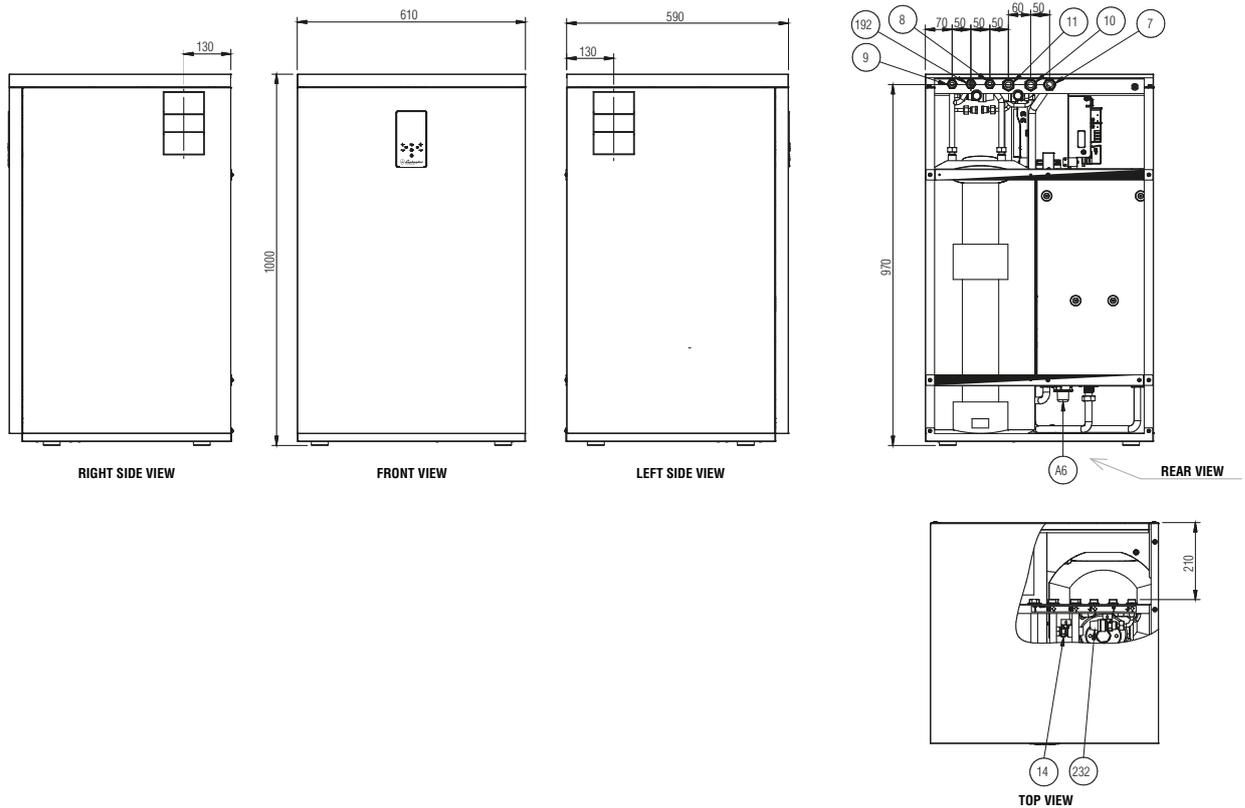
Boiler code	Boiler model
0T4U7AWD	ALHENA TECH B 34 K 50 (M)

Accessories on request

Code	Description
 013018X0	External probe kit
 013002X0	Thermostatic mixer kit 1/2" connections
 041084X0	90° coaxial bend, 360° swivel with 45° pitch Ø 100/60 mm for condensation boilers
 041082X0	Twin pipe 80/80 discharge kit for condensation boilers, including test points
 041086X0	Extension kit 1 mt Ø 50 split
 041085X0	90° Ø 50 split curve kit
 041087X0	Reduction kit M-F from Ø 80 to Ø 50 split (1 piece)
	Hydraulic - control accessories - / Flue gas accessories / Temperature controls see specific section ACCESSORIES

MODEL			B 34 K 50
Class ErP			
Heat input	Min / Max Heating Max DHW	kW kW	3.5 / 30.6 34.7
Thermal power 80°C-60°C	Min / Max Heating	kW	3.4 / 30.0
Thermal power 50°C-30°C	Max DHW Min / Max Heating	kW kW	34.0 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

Dimensions (in mm)



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