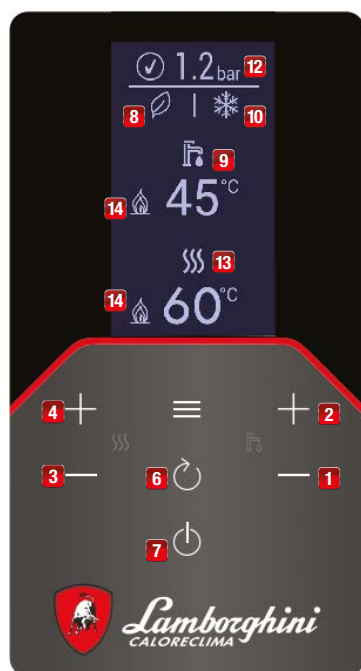


## Alhena Tech K 50

### Wall hung condensing boilers with instantaneous domestic hot water production

- 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
- **SYSTEM**: combined with the modulating remote control and the external probe (optional) it reaches the top efficiency class A<sup>+</sup>
- It easily adapts to the load conditions thanks to the broad modulating range that can reach 1:10 (mod. 34)
- **MC<sup>2</sup>**: 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, 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
- Exclusive exchanger-burner system with self-cooling door: it simplifies maintenance and lowers the cost thanks to a lower number of parts that need replacing.
- DHW production with 50-litre stainless steel storage tank
- Set-up for recirculation fittings (provided with the accessory: fitting connection kit)
- Hydraulic fittings covered by the boiler shell
- Large multi-purpose backlit graphic display to set parameters easily and correctly
- Bypass as per standard
- 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
- Antilegionella function with programmable timing
- Timed block protection for circulator and three-way valve
- Sliding temperature operating mode through external probe (optional)
- Low consumption modulating heat pump (ErP Ready - Class A)

### Regulation and control panel









1. Decrease DHW temperature
2. Increase DHW temperature
3. Decrease Heating temperature
4. Increase Heating temperature
5. Display
6. Return key
7. "Winter", "Summer", "Appliance OFF", "ECO", "COMFORT" mode selection key
8. ECO mode on / off
9. DHW mode indication
10. "Summer" / "Winter" indication
11. Menu / Confirmation key
12. System pressure indication
13. Heating indication
14. Burner on indication




Boiler code	Boiler model
OT4T4AWD	<b>ALHENA TECH 28 K 50 (M)</b>
OT4T7AWD	<b>ALHENA TECH 34 K 50 (M)</b>

### Accessories on demand

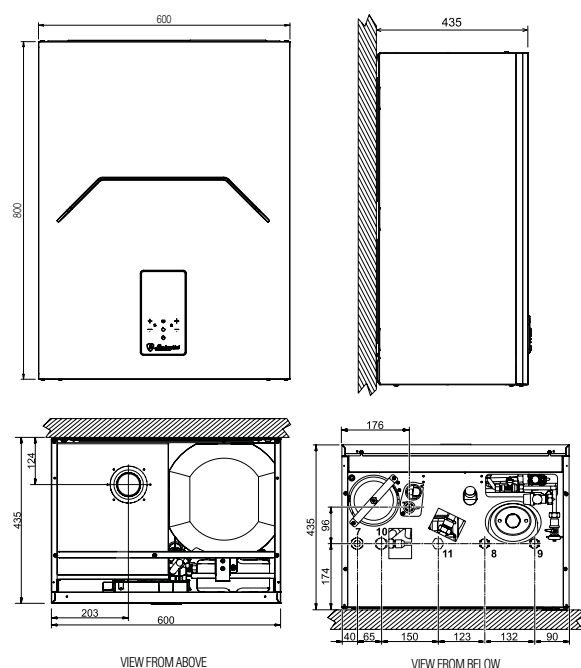
	Code	Description
	012045W0	kit for connection of fittings complete with gas tap with cone, DHW tap, 2 system taps, pipes, nipple, gaskets, recirculation fitting
	013018X0	Outdoor probe kit
	013002X0	Thermostatic mixer kit 1/2" connections
	041083X0	Coupling for vertical coaxial pipe ø 100/60 mm for condensing 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	discharge kit twin pipes 80/80 for condensing boilers complete with test point

MODEL			28 K 50	34 K 50
ERP Class		(Class G - A <sup>++</sup> )		
		(Class G - A)		
Heat input (LCV)	Heating Min / Max DHW Max	kW kW	3.5 / 24.5 28.5	3.5 / 30.6 34.7
Heat output 80°C-60°C	Heating Min / Max DHW Max	kW kW	3.4 / 24.0 28.0	3.4 / 30.0 34.0
Heat output 50°C-30°C	Heating Min / Max	kW	3.8 / 26.0	3.8 / 32.5
Useful thermal efficiency	80°C-60°C	Pmax % / Pmin %	98.1 / 98.0	97.9 / 98.0
	50°C-30°C	Pmax % / Pmin %	106.1 / 107.5	106.1 / 107.5
	Reduced load 30%	Pmax %	109.7	109.6
NOx emissions class (EN 15502-1)		class	6	6
Storage tank capacity		litres	50	50
Domestic hot water production	ΔT 30°C	l/10 min	161	195
	ΔT 30°C	l/h	831	1005
Heating operating pressure	Max	bar	3	3
DHW operating pressure	Max	bar	9	9
Empty weight		kg	62	65
No. of pieces/pallets		no.	6	6

### 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

### Dimensions (in mm)



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