

* Excluded in 48 kW model



ecopel

Compact Pellet Boiler

- A⁺ High Efficiency
- 5th Class (highest level) Boiler
- Able to burn each type of wood pellet
- New generation multifunctional digital control panel
- Fuel level monitoring
- Flue temperature monitoring
- Compact shape adapted to the heating system with special pump, expansion tank, safety valve and burner



"Feel the warmth..."

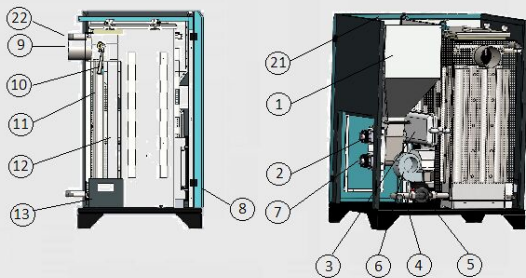




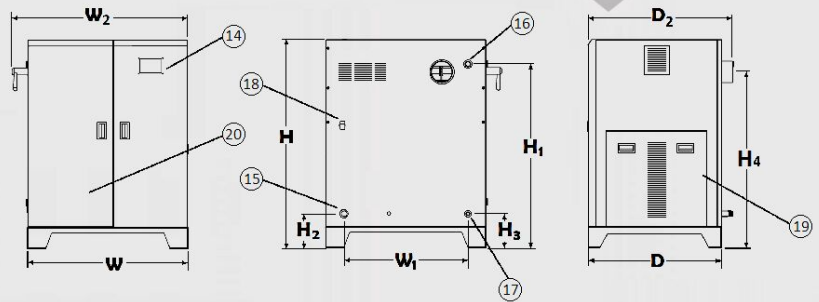
Ecopel Series Wood Pellet Boiler

Unmak Ecopel Series Pellet Boilers ensure high thermal efficiency with using renewable energy. The Boiler can burn each type of pellet with its integrated burner. Boiler has installation equipments such as circulation pump, expansion tank*, safety valve, manamoter inside the compact shape. Ecopel pellet boilers are long-lasting and able to use long duration without difficulties.

* closed expansion tank is inside in 24 and 36 kW models and externally in 48 kW model.



1. Fuel Hopper
2. Rotary Gearbox
3. Expansion Tank
4. Safety Valve
5. Circulation Pump
6. Fan
7. Feeding Gearbox
8. Cleaning Cover
9. Flue
10. Cleaning Arm



11. Smoke Tubes (3. pass)
12. Smoke Tubes (2. pass)
13. Ash Removal Cover
14. Control Panel
15. CH Return
16. CH Flow
17. Filling/Draining
18. On/Off Control
19. Maintenance Cover
20. Front Cover
21. Fuel Level Sensor
22. Flue Temp. Sensor

TECHNICAL SPECIFICATIONS

ÜNMAK - ECOPEL		Ecopel 24	Ecopel 36	Ecopel 48	
Fuel Type			Wood Pellet		
Power Output	kW	24	36	48	
Minimum Power	kW	7,2	10,8	14,4	
Efficiency at Max. Output	%	94,12	94,38	94,33	
Efficiency at Min. Output	%	92,96	93,91	94,86	
Fuel Capacity	kg	30	50	70	
Water Content	lt	55	60	93	
Boiler Weight	kg	260	310	360	
Required Draught	Pa	10	10	12	
Flue Temperature	°C	125	125	125	
Minimum Return Temperature	°C		40		
Maximum Operating Pressure	bar		3		
Test Pressure	bar		5		
Temperature Control Range	°C		40-80		
Maximum Operating Temperature	°C		80		
Central Heating Flow/Return	inch		1"	1 ¼"	
Filling/Draining	inch		½"		
Electrical Supply	V AC/Hz		230/50		
Dimensions	Width (W)	mm	960	960	1020
	Depth (D)	mm	700	700	700
	Height (H)	mm	1115	1230	1415
	Flow Connection Height (H1)	mm	960	1075	1270
	Return Connection Height (H2)	mm	195	195	195
	Filling/Draining Conn. Height (H3)	mm	190	190	190
	Distance between Flow and Return (W1)	mm	750	750	860
	Flue Connection Height (H4)	mm	900	1020	1200
	Width of Boiler inc. Cleaning Arm (W2)	mm	1020	1020	1080
	Depth including Flue (D2)	mm	760	760	760
	Diameter of Flue	mm	128	128	150

We reserve the right to make changes in dimensions

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