

## ECOWARMER - SPECIFICATION SHEET



Ecowarmer 25

Model Futura Econo 25

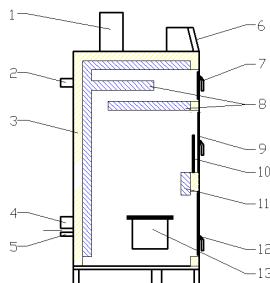
**TABLE SPECIFICATIONS**



Ecowarmer 100

MODEL	Ecowarmer 25	Ecowarmer 38	Ecowarmer 50	Ecowarmer 75	Ecowarmer 100	Ecowarmer 150
Power range	kW	8-25	12-38	18-50	25-75	30-100
Efficiency	%			83-85		
Water capacity	dm <sup>3</sup>	105	130	180	250	315
Max working pressure	bar			2		
Min. outlet temperature	°C			recommended 65		
Max. Outlet temperature	°C			90		
Min. inlet temperature	°C			55		
Water-side resistance; Δt=10K	mbar			2÷20		
Water-side resistance; Δt=20K				0,5÷5		
Flue gas temperature	°C			> 180		
Chimney pressure	Pa	20	20-25	25	25	25-30
Recommended chimney height	m	8	8	8-10	10	10
Recommended chimney section	cm <sup>2</sup>	400	400	600	600	800
Fuel tank capacity	dm <sup>3</sup>	220	220	335	335	555
Power consumption	kW	0,28-0,4	0,28-0,4	0,28-0,4	0,28-0,55	0,28-0,55

### BOILER CONSTRUCTION



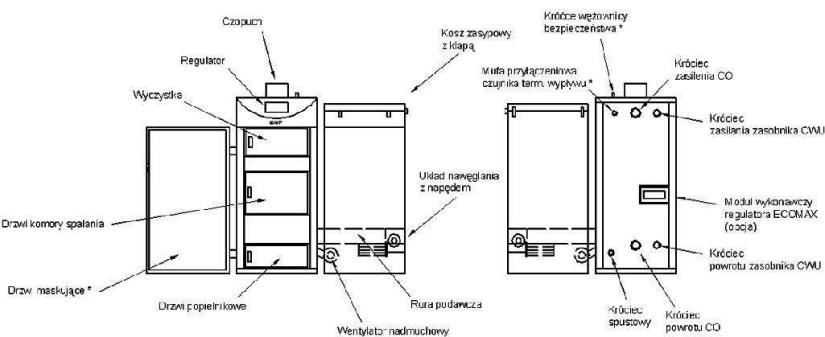
- 1. Flue gas outlet
- 2. outlet connection
- 3. Thermal insulation (mineral wool)
- 4. Inlet connection
- 5. Blowdown connection
- 6. Boiler controller RK 2006 Ecomax 250, Ecomax 800 or other.
- 7. Door cleaning hole
- 8. Water coat (heat exchange surface)
- 9. Loading door
- 10. Inner grate door
- 11. Water coat
- 12. Ash door
- 13. Retort burner

### EMISSION

Model	Unit	Futura Econo 25
CO Emission (O <sub>2</sub> =10%)	mg/m <sup>3</sup>	830
OGC Emission (O <sub>2</sub> =10%)	mg/m <sup>3</sup>	40
Dust Emission (O <sub>2</sub> =10%)	mg/m <sup>3</sup>	85

### ADVANTAGES OF THE BOILER

- Automatic combustion
- High-quality parts
- Expandable automation
- The simple installation



### Burners

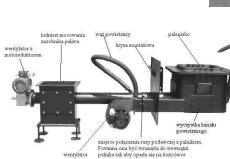
In models 25 and 38 kW is installed iron retort burner



In models 50 and 75 kW is installed steel retort burner



In models 100 and 150 kW is installed elements retort burners



Standard RK 2006 L2 Supports domestic hot water pump and central heating pump and cooperates with a room thermostat.



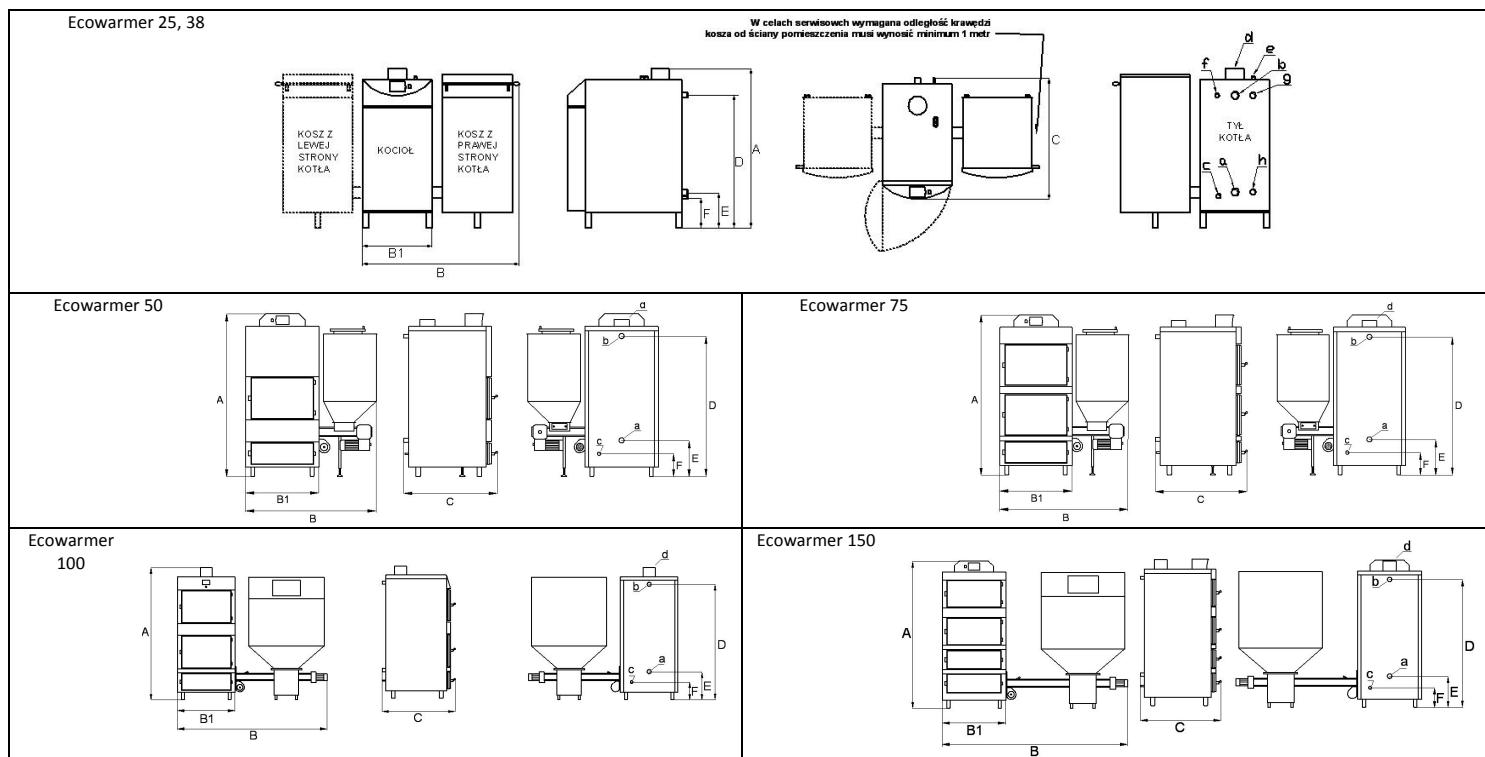
Optional Controller Ecomax 250 Supports domestic hot water pump and central heating pump and cooperates with a room thermostat.



Optional Controller Ecomax 800R Supports domestic hot water pump and central heating pump, mixer and mixer pump. Cooperates with a room thermostat.

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### DIMENSIONS OF BOILER



Ecowarmer	25	38	50	75	100	150
A	1400	1500	1660	1850	1900	1960
B1	610	610	710	795	960	960
B	1400	1400	1450	1550	2350	2350
C	1100	1100	1050	1300	1290	1350
D	1150	1260	1420	1570	1600	1680
E	310	310	360	360	355	335
F	275	275	320	310	305	290
a	GZ 1 1/2"	GZ 2"				
b	GZ 1 1/2"	GZ 2"				
c	GZ 1/2"	GZ 1/2"	GZ 1/2"	GZ 1/2"	GZ 1/2"	GZ 1/2"
d	160	160	200	250	250	300
e	GZ1/2"	GZ1/2"	---	---	---	---
f	GW 1/2"	GW 1/2"	---	---	---	---
g	GW 1"	GW 1"	---	---	---	---
h	GW 1"	GW 1"	---	---	---	---

Installation diagram domestic hot water and central heating with thermostatic valve

Installation diagram central heating the mixing pump

