

# ECOWOOD STANDARD/PLUS

solid fuel boiler



The ECOWOOD boiler series is designed for function on any type of solid fuel: wood, agricultural residues, carbon, briquettes.

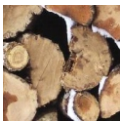
The boiler is available in two versions:

ECOWOOD STANDARD version is equipped with a thermometer and chain thermostat regulator.

ECOWOOD PLUS version is equipped with a modulating fan and a digital controller. The boiler can also control the heating pump and the hot water pump, as well as be connected with an exhaust gas temperature sensor for full fan modulation and maximum fuel savings.

Both versions are equipped with a flange for installation of a pellet burner at any time.

## Fuels



wood



briquettes



carbon



Full fan modulation



Fumes sensor modulation  
Flame detection



Economic function



3 years product warranty

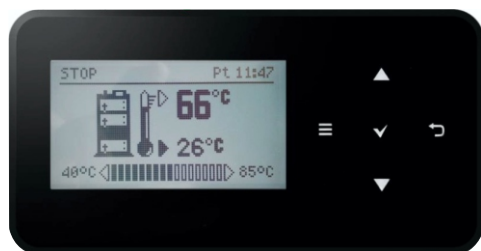


Safety devices and smart control

## Main features

- Big fire chamber for high volume of fuel loading
- Three pass construction for high efficiency and small dimensions
- Robust construction
- Tubed heat exchanger
- Easy installation of a pellet burner
- Reversible doors
- Integrated safety heat exchanger
- Digital controller with user-friendly interface
- Control of heating pump and hot water pump
- Full fan modulation
- Exhaust gas temperature sensor
- Automatic fuel lack recognition
- Ignition mode and flame supervision mode
- Overheating alarm signal

## BOILER CONTROLLER



Version ECOWOOD PLUS is equipped with a modulating fan and a digital controller **ecoMAX 260**. The controller offers three different modes of fan modulation:

- TRADITIONAL on/off
- PID- modulates the fan speed according to the water temperature
- PIDS- with exhaust gas sensor, which modulates the fan speed according to the exhaust gas temperature. **This option can minimize the wood consumption up to 20%.**

The boiler also controls the heating pump and hot water pump and can also be connected with a room thermostat.

The boiler automatically recognizes the lack of fuel and passes to standby mode. It also offers smart control through ecoSTER x40 and ecoNET.



Fan modulation



Exhaust temperature regulation



Summer/winter mode



Heating pump



Room thermostat



Overheating protection



Hot water pump

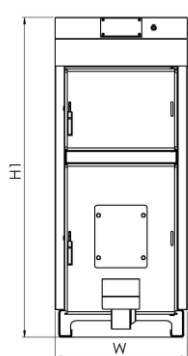
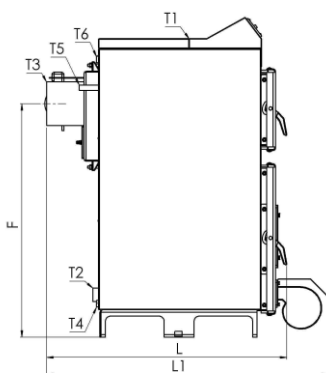
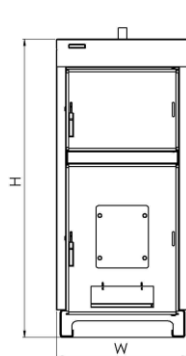
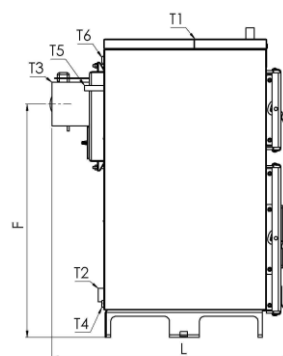


Alarm signals



Smart control

## TECHNICAL DATA



T1 - Outlet  
T2 - Return  
T3 - Chimney  
T4 - Drainage  
T5 - Safety heat exchanger  
T6 - Safety heat exchanger sensor bulb connection

| Type                  |       |      | ECW 25    | ECW 30    | ECW 40    | ECW 50    | ECW 60    | ECW 80    | ECW 100   |
|-----------------------|-------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Nominal power         | kW    |      | 25        | 30        | 40        | 50        | 60        | 80        | 100       |
| Efficiency            | %     |      | 83        | 83        | 83        | 83        | 83        | 83        | 83        |
| Max temperature       | °C    |      | 90        | 90        | 90        | 90        | 90        | 90        | 90        |
| Max pressure          | bar   |      | 3         | 3         | 3         | 3         | 3         | 3         | 3         |
| Water contents        | lit   |      | 100       | 120       | 130       | 170       | 190       | 370       | 440       |
| Weight                | kg    |      | 259       | 282       | 307       | 355       | 385       | 675       | 765       |
| Electrical connection | V/Hz  |      | 230/50    | 230/50    | 230/50    | 230/50    | 230/50    | 230/50    | 230/50    |
| Dimensions            | H/H1  | mm   | 1195/1280 | 1195/1280 | 1195/1280 | 1310/1395 | 1310/1395 | 1650/1740 | 1650/1740 |
|                       | W     | mm   | 530       | 530       | 530       | 660       | 660       | 785       | 785       |
|                       | F     | mm   | 935       | 935       | 935       | 975       | 975       | 1285      | 1285      |
|                       | L/L1  | mm   | 960/1125  | 1060/1225 | 1160/1325 | 1060/1225 | 1160/1325 | 1360/1525 | 1560/1725 |
|                       | T1-T2 | inch | 1 ½"      | 1 ½"      | 1 ½"      | 1 ½"      | 1 ½"      | 2"        | 2"        |
|                       | T3    | mm   | Ø180      | Ø180      | Ø180      | Ø180      | Ø180      | Ø200      | Ø200      |
|                       | T4    | inch | ½"        | ½"        | ½"        | ½"        | ½"        | ¾"        | ¾"        |
|                       | T5    | inch | ½"        | ½"        | ½"        | ½"        | ½"        | ½"        | ½"        |