

# AUTOMATED PELLET BOILER

## Pelletherm V.2 M03



80 kW\*  
100 kW\*

\* factory equipped with  
ash removable system



30 kW  
45 kW



60 kW

ECO  
DESIGN

2020



**The first pellet boilers certified under EcoDesing regulation in Bulgaria**

### Comfortable

Pellet boilers **Pelletherm V.2** provide comfortable heating by automatic combustion of wood pellets, according to standard EN ISO 17225-2:2014 .

### Low running costs

The high efficiency (>93 %) and utilization of wood pellets with different quality guarantee low heating costs.

### Reliability

The integrated components are supplied from prestigious European producers. Special measures to increase the safety of the boiler thanks to the flap for back fire protection and speed control of fresh air fan and flue gas fan by Hall sensors.

Green  Therm

[www.greenecothersm.eu](http://www.greenecothersm.eu)



certified EN 303-5:2012,  
class 5

# Pelletherm V.2 M03

Automated pellet boilers **Pelletherm V.2 M03** are the first solid fuel boilers certified according to **EcoDesign** regulation in Bulgaria. They are designed for heating of residential and business premises, as well as for domestic hot water preparation in the summer season. The main advantage and uniqueness of this product is the possibility to utilize pellets with diameter from 6 up to 14 mm with different quality.

The boilers are characterized with high efficiency and reliability.

## ADVANTAGES:

- Not pretentious to the quality of the used fuel - all classes of wood pellets according to standard EN ISO 17225-2:2014 (class A1; class A2; class B);
- Intuitive and simple operation. Microprocessor control module with unique display design presenting information in the form of meaningful icons and as well as the possibility of beep or light alarm signal. Color touch screen;
- Automated ignition. Fuzzy Logic of the combustion process which reduces the number of stops and starts as well as the fuel consumption and the used electricity;
- Automated fuel feeding. Own patented utility model of the fuel dosing module, which eliminates the "back fire" possibility;
- Self-diagnosis of processes; Regulation of heat output in a wide range; Boiler control depending on the change in the outside temperature;
- Ability to control peripherals by adding an additional control module - option;
- Possibility to control exhaust gas fan, which solved the problem with the chimney draft and guarantees the safety work of the equipment;
- Ability to monitor the exhaust gas temperature;
- Possibility for remote control of the boiler via room thermostat with color display - option;
- Ability to control buffer / storage tank option;
- Full access to all controller's functions by using Internet module - option. The user receives clear visualization of boiler operation history in a form of graphs and service technician has full access to the service settings;
- Automatic cleaning by scraping the ash residue on the burner grate without interrupting the combustion process;
- Ability to set different modes of the cleaning cycle;
- Built-in hopper and the ability to control an additional auger for automatic refueling of the main hopper from an external source;
- Ability to control a second internal pellet auger;
- Control and indication of the display (in%) of the fuel level in the boiler hopper;
- Manual mechanical cleaning of the tube heat exchanger;
- Steel three pass heat exchanger, which allows dynamic operation of the boiler;
- Passwords for limitation of the access levels to the parameters of the service staff;
- Easy maintenance, high efficiency, reliability and safety;
- Meet all requirements of LVD, EMC and to standard EN 303-5:2012;
- Ecologic operation - the emitted emissions meet the most stringent European requirements.

## TECHNICAL DATA

Code	Type	Nominal heating output (kW)	Working pressure (bar)	Efficiency (%)	Fuel hopper capacity (kg)	Water volume (l)	Weight (kg)	Width (mm)	Height (mm)	Depth (mm)
2104420379	Pelletherm 30 V.2 M03	30	2.5	> 93	100	95	460	1520	1380	850
2104420380	Pelletherm 45 V.2 M03	45	2.5	> 93	100	120	575	1620	1380	850
2104420386	Pelletherm 60 V.2 M03	60	2.5	> 93	100	184	711	1620	1620	970
2104420389	Pelletherm 80 V.2 M03	80	2.5	> 93	100	184	730	1880	1620	970
2104420390	Pelletherm 100 V.2 M03	100	2.5	> 93	100	220	770	1880	1830	900