BIAWAR

NEW 2016

PELLUX COMPACT

A WIDE RANGE OF STANDARD EQUIPMENT:

100% organic fuel: wood pellets	Automatic heating unit: cleanliness and maintenance-free operation	Lower heating costs	Fuel hopper with a capacity of 200, 300 or 500 L	Automatic cleaning of burner grid and boiler heat exchanger	Control via GSM or Internet

MODERN SET WITH CENTRAL HEATING PELLET BOILER
PELLUX COMPACT 12 kW

Pellux Compact is a complete heating device fuelled with eco-friendly pellet.

The boiler is practically maintenance-free thanks to automatic cleaning system of burner grid and heat exchanger. Moreover, Pellux Compact initiates ignition automatically and switches off once requested operating parameters are achieved.
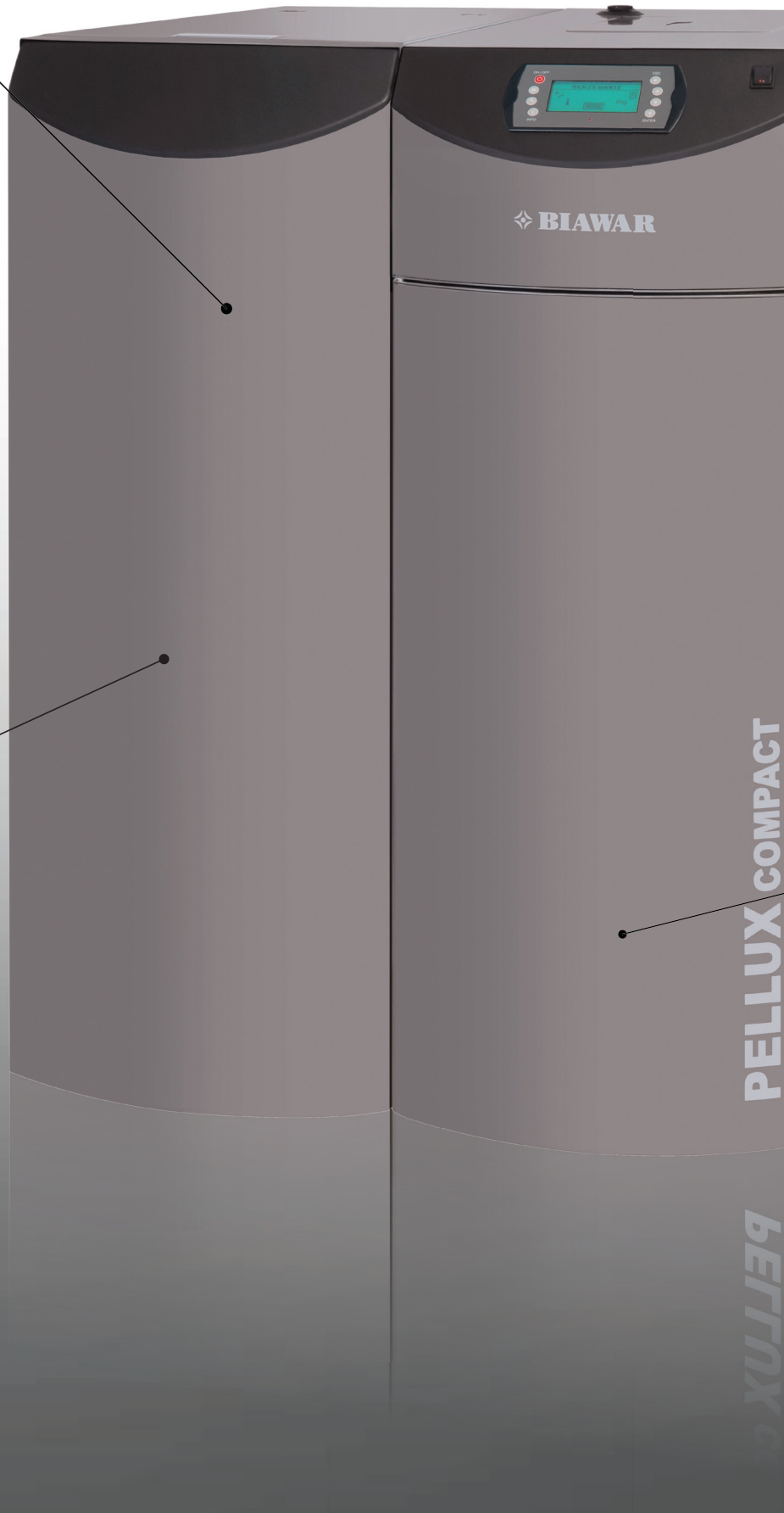
Operating your boiler has been minimised to controlling and, if necessary, topping up pellet fuel in the hopper, and to emptying the ash pan (every few weeks).

In combination with a dedicated feeder and pellet hopper (PP10 + ZP200) we get a perfectly matched set, which is able to ensure thermal comfort and preparation of domestic hot water.

Hidden PP10 pellet feeder

Pellet feeder is placed behind the front hopper casing, thanks to which in combination with PELLUX COMPACT boiler we get a modern set, perfectly matched in shape and size.

ZP200 pellet hopper

ZP200 pellet hopper with PP10 feeder, thanks to the specially designed shape and dimensions, is dedicated to cooperate with PELLUX COMPACT boiler. However, it can also work with other types of pellet boilers.

Hopper cover protects the fuel (pellet) against moisture and eliminates the risk of passing into the container elements which could damage the pellet feeder.
ZP200 hopper is designed for storing pellets, while PP10 feeder is appropriate to transport wood granulate (pellets) with a diameter of ø6 ÷ 10 mm and humidity <12%.
The hopper has the option of choosing the position of the feeder which allows its placement on the left or right side of the boiler.

PELLUX COMPACT

PELLUX COMPACT 12 kW boiler

Pellux Compact boiler is, first of all, a combination of innovative technology with modern and elegant design. Compact shape and dimensions of the device make it ideally suited to small boiler rooms, thus creating a modern heating system.

Optimum height of the set and specially profiled shapes facilitate its installation and fuel replenishment in the hopper.

Boiler operation is controlled by a modern microprocessor controller based on the FUZZY LOGIC II algorithm ensuring precise dosage of fuel and air, high efficiency of the combustion process, power modulation according to the heat demand and control of the complete heating system.

Technical parameters

PELLUX COMPACT boiler		
Type	-	K-PAA 12
Basic fuel	-	Pelet drzewny
Nominal power	kW	12
Net weight	kg	185
Water capacity	l	70
Boiler efficiency	%	90÷92
Max operating temperature	°C	85
Min. return temperature (at the boiler inlet)	°C	55
Max setpoint temperature	°C	80
Min. setpoint temperature	°C	60
Exhaust temperature	°C	80 ÷ 150
Noise level	dB	48
Flue diameter	mm	Ø 140 zew.
Max. pressure	MPa/bar	0.25/2.5
Required draft	Pa	15 ÷ 18
Chimney cross-section	mm	160x160/Ø160
Min. chimney height	m	6
Supply voltage	V	1/N/PE 230 V, 50 Hz
Protection rating	-	IP 21
Electric power consumption in standby mode	W	13
Electric power consumption at the nominal power	W	40
Electric power consumption at the minimal power	W	20

PBMAX 12 burner

Under the boiler front cover we have placed a reliable and quiet PBMAX 12 burner operated by the boiler controller. When needed, a built-in heating element initiates fuel ignition and information about the flame is indicated by a photocell. Thanks to the advanced control algorithm, we have the possibility to modulate the burner output in the range of 30-100%, which contributes to increasing the boiler efficiency and reducing emissivity.

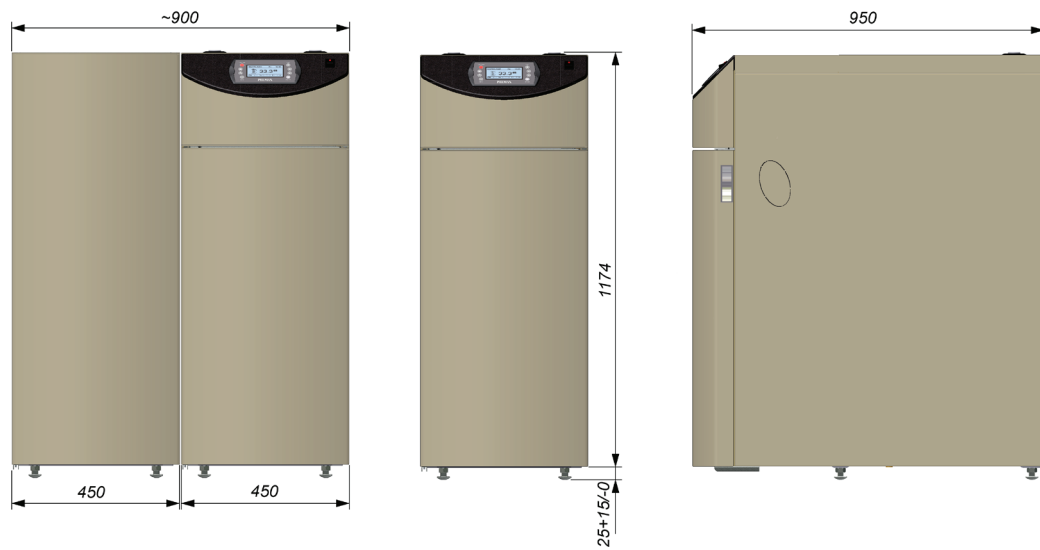Through placing the burner under the casing we gained exceptional aesthetics of the boiler-hopper -burner set.

Technical parameters

PBMAX 12 burner		
Type	-	PBMAX 12
Burner power	kW	3 ÷ 12
Fuel	mm	Wood pellets ø 6 ÷ 10mm, max. lenght 35 mm
Voltage	V	1/N/PE 230 V, 50 Hz
Electric power	W	40
Starting power	W	650
Protection rating	-	IP 21
Net weight	kg	14,5

PELLUX COMPACT 12 KW DIMENSIONS

PELLUX COMPACT 12KW ACCESSORIES

ML-2CAN SET   **EXTENSION MODULE**   **CTP-02**   **CTZ-01**   **ETHERNET MODULE**

Accesory	Description
Extension module	Central heating/DHW extension module
ML-2 CAN set	Lambda probe extension module set
CTP-02 R	Wireless room temperature controller
GSM module	VIDE GSM communication module
CTP-02	Room temperature controller (wired)
CTZ-01	External temperature sensor
Ethernet module	Ethernet communication module

CTP-02 R   **GSM MODULE**

Ethernet module allows remote access to current information on the heating system and changing its parameters through the website.

The Ethernet module allows easy and quick access to current information. Graphic design has been created for comfortable use with any device with a web browser – including smartphones and tablets.

✦ **BIAWAR**