BIODOM

BIOMASS HEATING

LOG GASIFICATION BOILER

BIODOM X 18



EKO SKLAD

SLOVENSKI OKOLJSKI
JAVNI SKLAD

GET UP TO 50% SUBSIDY
ON THE TOTAL INVESTMENT

ADVANTAGES

- ✔ Energy label A+
- ✔ Dust emissions below 15 mg/m3
- ✔ High efficiency
- ✔ Firebox volume - 90 dm3
- ✔ Easy ignition and boiler cleaning
- ✔ Water content - 72 l



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LOG GASIFICATION BOILER

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ADVANCED, ECOLOGICAL AND COST-EFFECTIVE BIOMASS HEATING

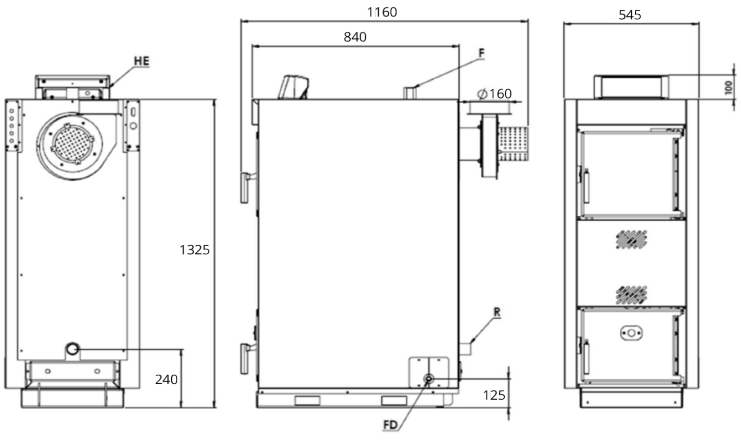
The Biodom X 18 boiler is designed for efficient wood burning and combines long-standing tradition with technologic progress. It is a complete wood biomass combustion system with advanced control.

Operation is controlled by an electronic board with useful functions. The fan is driven according to the desired boiler outlet temperature. Fan speed modulation ensures accurate setting of the boiler flow temperature with a high level of comfort. A domestic hot water cylinder can be added to the system, and the DHW pump can be driven by the original boiler control panel. The double-layer loading chamber improves the gasification process and extends the service life of the boiler.

The induced-draught fan eliminates combustion problems and keeps the combustion chamber under negative pressure at all times. It enables easy control of primary and secondary air, which increases the boiler's water-side efficiency. Automatic re-ignition of the wood takes place when only a minimal amount of embers remains in the firebox.

The special high-alumina refractory burner with reinforcing additives against thermal loads and moisture can operate at up to 1600 °C and ensures good mixing of wood gas with secondary air, improving combustion and emissions. It offers high efficiency thanks to the enlarged heating surface: additional water-cooled combustion surfaces, designed on the horizontal three-pass principle, increase the rate of heat transfer and reduce the flue gas temperature, with an average water-side efficiency of 90%. The built-in fan damper at the chimney ensures low pressure drops in the chimney and allows several outlet positions (vertical or horizontal).

Quality workmanship, a modern exterior design and reliability are just some of the features that provide you with comfort, safety and savings.



TECHNICAL CHARACTERISTICS:

Heating surface	**70 - 250 m²**
Nominal output	**18 kW**
Efficiency	**above 90%**
Flue connection diameter	**Ø 160**
Boiler water volume	**72 l**
Electrical connection	**230 V 50 Hz**
Firebox volume	**90 l**
Dimensions H x W x D (cm)	**133 x 55 x 116**
Weight	**405 kg**

ADVANTAGES

- ENERGY CLASS A+
- MAXIMUM EFFICIENCY WITH MINIMUM EMISSIONS
- PRIMARY AND SECONDARY AIR CONTROL
- AUTOMATIC SHUT-OFF - WHEN THE FUEL RUNS OUT
- STANDARD EN 303-5, ECODESIGN
- EASY IGNITION AND BOILER CLEANING
- FLUE GAS FAN MODULATION
- DOUBLE-LAYER LOADING CHAMBER
- HIGH EFFICIENCY WITH ENLARGED HEATING SURFACE
- FIREBOX VOLUME 90 dm3

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