BIODOM

BIOMASS HEATING

PELLET BOILER
BIODOM 21





EMISSION CLASS 5 TO EN 303-5
A boiler that offers lasting comfort and low heating costs.

ADVANTAGES

- ✓ Energy label A+
- ✓ Biologic technology
- ✓ Easy installation
- ✓ High efficiency
- ✓ Very low emissions
- ✓ Low consumption
- ✓ Functional design



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PELLET BOILER

BIODOM 21

A MODERN AND ECOLOGICAL way of heating with wood pellets

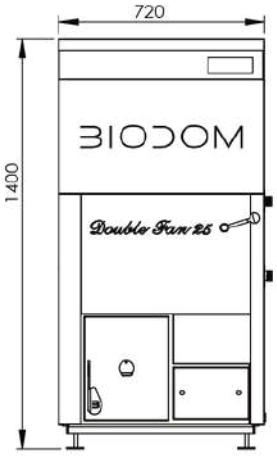
The reliability of the Biodom 21 boiler stems from many years of investment in developing biomass heating systems and from practical experience in installing and maintaining them. Biodom 21 is a complete wood biomass combustion system with automatic ignition and pellet feeding. The Biodom 21 is a scaled-down version of the BD 27 C5 boiler, so it suits more energy-efficient houses, but it can also heat conventional houses of up to 275 m2.

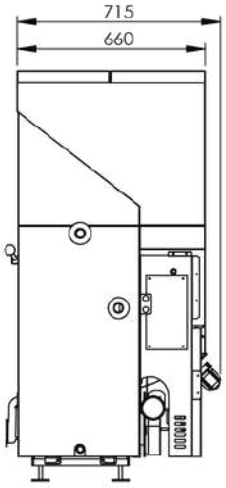
The Biologic system automatically detects and regulates all conditions for combustion and for heat transfer from the flue gases to the water, while also recognising the pellet quality and adjusting the rate at which pellets are fed into the burner accordingly. It also detects the air density and, through automatic control, always ensures the correct amount of combustion air in the burner.

The programmable timer supports weekly operation settings, and the entire process can be monitored on a clear display.
The daily/weekly pellet hopper is integrated in the upper part of the boiler; from it, a geared motor mounted at the top of the screw conveyor feeds the fuel into the burner, which is made of special cast iron that withstands the high temperatures in the combustion chamber. This ensures complete combustion, clean flue gases and a long boiler service life.

Combustion air and flue gases are extracted by a fan that creates negative pressure, through forty turbulator tube exchangers which, over a long path, ensure optimal heat transfer from the flue gases to the heating medium.

Quality workmanship, a modern exterior design, exceptional flexibility and reliable operation are just some of the features that guarantee you comfort, safety and savings.





TECHNICAL SPECIFICATIONS:

Heating surface:	**60 - 275 m²**
Heat output	**19,7 kW** (5,8 - 19,7 kW)
Efficiency:	**above 92%**
Flue gas outlet	**Ø 80**
Water content	**61 l**
Power supply:	**230 V 50 Hz**
Pellet hopper:	**150 kg**
Pellet use per hour:	**min: 1,3 kg/h, max: 4,4 kg/h**
Dimensions H x W x D (cm)	**140 x 72 x 66**
Weight	**215 kg**

ADVANTAGES

BIOLOGIC CONTROL SYSTEM:
- AUTOMATIC PELLET QUALITY RECOGNITION
- MAXIMUM EFFICIENCY AND MINIMUM EMISSIONS
- TWO-FAN TECHNOLOGY - FULL CONTROL
- EASY INSTALLATION AND EXCEPTIONAL FLEXIBILITY
- WEEKLY PELLET HOPPER (150 KG)
- LOW PELLET CONSUMPTION
- AUTOMATIC RESTART AFTER POWER FAILURES
- 5-YEAR WARRANTY AGAINST LEAKS

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