

# BIOPELLET TOP

## STEEL PELLET BOILERS FOR CENTRAL HEATING



### > STRENGTHS:

- Biopellet Top are fully automated steel boilers designed for centralized residential heating
- They are delivered fully equipped and ready for installation, including: heating pump, expansion vessel, safety valve, safety thermostat, digital control panel, integrated pellet hopper, and removable ash tray
- The boilers feature three cleaning systems: automatic cleaning with increased air flow, mechanical self-cleaning of the combustion grate (rotating burner), manual cleaning of the flue paths
- The combustion process is optimized using a dynamic modulation algorithm, which automatically adjusts pellet dosage and fan speed based on the deviation from the set temperature and the intake air flow
- This proportional control strategy ensures complete and stable combustion, minimal fuel consumption, increased energy efficiency, and low emissions.
- The boiler must not be installed in living areas (including hallways)



### CONTROL PANEL

This innovative color multi-touch capacitive display with intuitive graphics and smooth animations lets you view the operation of the appliance's hydraulic systems, motors, and other components. The device is also designed to support future firmware and feature updates

| MODEL                    |                | 8                               | 12              | 18              | 24              | 30              |
|--------------------------|----------------|---------------------------------|-----------------|-----------------|-----------------|-----------------|
| ErP Class                |                |                                 |                 |                 |                 |                 |
| Fuel type                |                | Wood pellet - EN ISO 17225-2_A1 |                 |                 |                 |                 |
| Nominal heat output      | kW             | 9.1 - 2.6                       | 12.2 - 3.4      | 18.3 - 4.9      | 24.3 - 6.1      | 30.3 - 7.3      |
| Thermal efficiency *     | %              | 92.9 - 90.2                     | 91.9 - 90.7     | 92.6 - 91.7     | 92.7 - 91.9     | 92.8 - 92.0     |
| Maximum fuel consumption | kg/h           | 2.1                             | 2.8             | 4.2             | 5.6             | 7               |
| Pellet storage capacity  | Kg             | 100                             | 100             | 100             | 100             | 110             |
| Water content            | litres         | 42                              | 42              | 45              | 45              | 65              |
| Electrical supply        | V/Hz           | 230/50                          | 230/50          | 230/50          | 230/50          | 230/50          |
| Water inlet/outlet       | "              | 1                               | 1               | 1               | 1               | 1               |
| Smoke outlet             | mm             | 80                              | 80              | 80              | 80              | 80              |
| Dimensions (H x L x A)   | mm             | 1420x630x800                    | 1460x630x840    | 1460x630x840    | 1460x630x840    | 1560x640x840    |
| Weight                   | kg             | 260                             | 260             | 275             | 275             | 292             |
| Heatable volume ***      | m <sup>3</sup> | 260 - 182                       | 348 - 244       | 522 - 366       | 694 - 486       | 865 - 606       |
| CODE                     |                | <b>OSRC10XA</b>                 | <b>OSRC11XA</b> | <b>OSRC12XA</b> | <b>OSRC13XA</b> | <b>OSRC14XA</b> |

\* at Nominal and Minimum power

\*\* Fuel consumption may vary depending on the type of pellet used

\*\*\* Depending on the insulation status of the home and calculated on 35 - 50 W/m<sup>3</sup>