



HEAT & POWER

BIOMASS BOILER: **SL199 250kW**

OVERVIEW

The SL199-250 Series range of biomass boilers deliver a combination of high heat output, optimised combustion, usability and easy maintenance.

Capable of burning wood chips and wood pellets, heat outputs are available at 199 and 250kW with a single boiler system. Multiple boilers can be installed in cascade for systems up to 1,000kW.

They offer some of the highest heating efficiencies available with combustion air controlled by an induced draft fan. Rapid heat transfer through the steel heat exchanger gives short heating times.

Six sets of turbulators in constant motion keep the surface of the heat exchangers clean and ensure the maximum transfer of heat to water. High heating efficiencies ensure perfect combustion at temperatures in excess of 1,000°C.

A patented burner system and contra rotating grate drives high heating efficiencies, prevents the build-up of clinker and ensures that fuel of a varying quality can be burned.

There is very little ash produced to the volume of fuel used. Ash is automatically conveyed to an external 240litre container for simple and straightforward disposal.

All of these key features are backed up by the peace of mind that comes from a 5 year warranty on all electronic controls and wearing boiler parts.

WHO ARE RAINBOW HEAT AND POWER?

**WE ARE RENEWABLE TECHNOLOGY
INSTALLERS BASED IN THE SOUTH WEST
PROVIDING BESPOKE RENEWABLE HEAT
AND POWER SYSTEMS NATIONWIDE.**

WE CAN HELP;

- 1. SIGNIFICANTLY REDUCE FUEL COSTS**
- 2. GAIN RENEWABLE ENERGY
INCENTIVE PAYMENTS**
- 3. REDUCE YOUR CO₂ EMISSIONS**



LET S TALK ABOUT YOUR PROJECT

CALL 01884 212 044

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FEATURES

| BIOMASS BOILER SYSTEM | | SL 199 | SL 250 |
|---------------------------|--------|----------------------|----------------------|
| Max Heat Output | kW | 199 | 250 |
| Min Heat Output | kW | 70 | 70 |
| Combustion Efficiency | % | 91.1 Min 95.3 Max | 91.1 Min 95.3 Max |
| Width | mm | 1,175 | 1,175 |
| Height | mm | 1,800 | 1,800 |
| Depth | mm | 2,650 | 2,650 |
| Flow & Return Diameter | mm | 73 | 73 |
| Flue Diameter | mm | 250 | 250 |
| Flue Connection Height | mm | 1,370 | 1,370 |
| Boiler Weight (Assembled) | kg | 2,100 | 2,100 |
| Auger Weight | kg | 180 | 180 |
| Water Content | Litres | 390 | 390 |
| Power Supply | A/V | 16A, 400V | 16A, 400V |

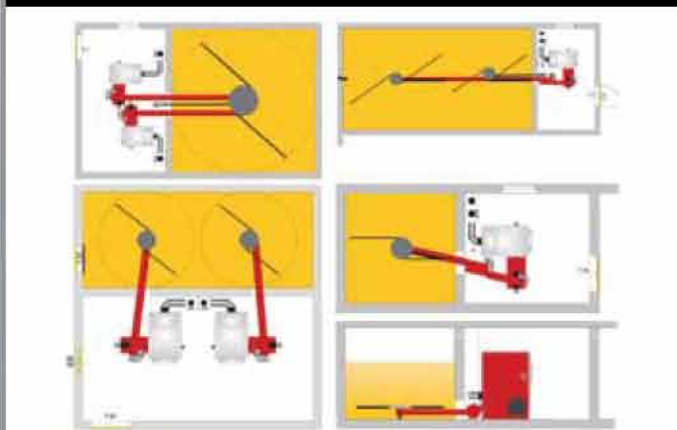
SELF CLEANING HEAT EXCHANGER



A RANGE OF FUEL STORAGE AND DELIVERY OPTIONS

We can provide a range of solutions relating to fuel store location, sizing and fuel delivery for both wood chips and wood pellets. Contact us to discuss your specific project requirements.

WOOD CHIPS



WOOD PELLETS



RAINBOWHEATANDPOWER.CO.UK

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