



## Introducing the New SI12 and SI20 Boiler Stoves

Following on from the success of the Stove Innovations Si 5 and 8 dry woodburning stoves are two brand new boiler stoves. These utilise a unique tube-based heat exchanger to provide a high surface area for heat transfer, whilst being compact enough to be located above the combustion chamber. It extracts the heat from the hot flue gases without chilling the combustion of the fuel in the main chamber, allowing the fuel to burn cleanly more like a dry stove. Our boiler stoves are amongst the first to pass the strict eco-design regulations for flue emissions and air quality.

**Si12** - A multifuel boiler that was developed with the aim of retaining all the fantastic features on the Si 8 dry stove with the addition of the compact water heater and the ability to heat your home.

The Si12 produces a maximum total heat output of 12kW with 5kW going to water and 7kW to the room. This is suitable for heating a small property or for use in link-up systems for topping up alongside another boiler.

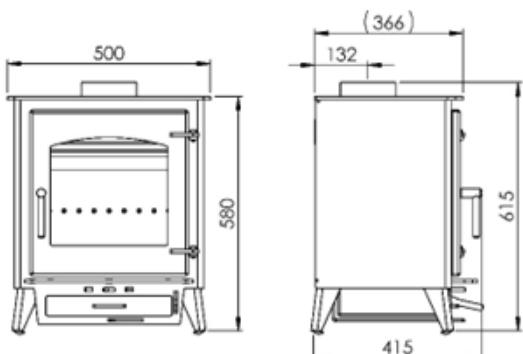
The boiler stove is built from heavy gauge steel that's fully seam welded to ensure longevity. The stove can be used with an insulating grate insert for efficiently and cleanly burning wood and features a full width riddling grate and ashpan to assist with de-ashing when burning smokeless fuel. Our tactile air controls allow fine tuning of air flow so you can easily adjust to get the best burn. The boiler heat exchanger tubes can be easily accessed for cleaning through the door opening, unlike many old boilers where you are required to remove dusty dirty baffles for regular maintenance.

**Si20** – A large high output solid fuel boiler stove that still functions as a stove and looks great in any large fireplace. The wide viewing glass provides a fantastic flame picture and atmosphere in the room.

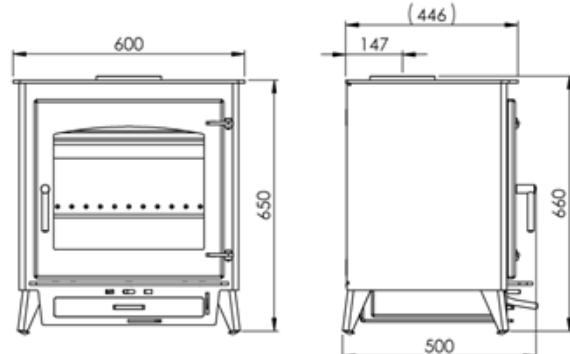
Compared with Si12 the Si20 has a larger firebox and a substantially more complex heat exchanger featuring both larger tubes and insulated side and rear flat heat exchangers. Due to the high heat output required whilst maintaining sensible refuelling intervals, this product has been initially designed as a solid fuel boiler stove suitable for burning all approved smokeless fuels. The Si20 produces a maximum of 20 kW peak heat output with 10.3 to water and 9.7 to the room and is suitable for heating small to medium size houses or as part of a link-up system alongside another boiler for a large residence.

This stove is built from heavy gauge steel that's fully seam welded to ensure longevity. It also features a full width riddling grate and ashpan for thorough de-ashing. Our tactile air control allows fine tuning of air flow alongside a boiler thermostat that is fitted as standard so you can easily adjust to get the best burn and optimum heat output. The boiler heat exchanger tubes can also be easily accessed through the door opening to allow easy cleaning of the tubes to maintain peak efficiency and safe flue performance .

SI12 Dimensions



SI20 Dimensions



	Si12	Si20
<b>Nominal Total Heat Output</b>	<b>9.9kW Wood</b>	<b>13kW Smokeless Fuel</b>
<b>Nominal Heat Output (to Water) (to Room)</b>	<b>4.1kW 5.8kW</b>	<b>6.7kW 6.3kW</b>
<b>Maximum Heat Output</b>	<b>12kW</b>	<b>20kW</b>
<b>Maximum Heat Output (to Water) (to Room)</b>	<b>5kW 7kW</b>	<b>10.3kW 9.7kW</b>
<b>Clearance to Combustible Rear Wall</b>	<b>200mm</b>	<b>100mm</b>
<b>Recommended Minimum Wall Clearance to <u>Non</u> Combustible Rear</b>	<b>75mm</b>	<b>75mm</b>
<b>Wall Clearance to Combustible sides</b>	<b>350mm</b>	<b>600mm</b>
<b>Recommended Minimum Wall Clearance To Non- Combustible Sides (for access to parts)</b>	<b>75mm</b>	<b>75mm</b>
<b>Flue Outlet Size (Available as Top Outlet Only)</b>	<b>125mm</b>	<b>150mm</b>
<b>Minimum Flue Size</b>	<b>150mm</b>	<b>150mm</b>
<b>Room Vent Required</b>	<b>Yes</b>	<b>Yes</b>
<b>Eco-Design 2022 Compliant</b>	<b>Yes</b>	<b>Yes</b>
<b>Heating System Requirements</b>	<b>Indirect Open Vented</b>	<b>Indirect Open Vented</b>
<b>Super Heated Air Wash</b>	<b>Yes</b>	<b>Yes</b>
<b>Fuel Type</b>	<b>Wood /Smokeless Fuel</b>	<b>Smokeless Fuel</b>
<b>Log Length</b>	<b>400mm</b>	<b>NA</b>
<b>Construction</b>	<b>Seam Welded Steel</b>	<b>Seam Welded Steel</b>
<b>Double Skinned Combustion Chamber</b>	<b>Top and Rear</b>	<b>Top and Rear</b>

**FlueBoost<sup>TM</sup>**  
TECHNOLOGY

