



ISLAND PELLET  
STOVES



# Frequently Asked Questions



**Enjoy the warmth of a quality  
real wood fire, without the mess**

# Wood Pellet Stove FAQs

## What is a pellet stove?

Wood pellet stoves burn compressed wood pellets to create a source of heat for residential spaces. They are fully automatic and operate under timer control to feed the fuel, ignite the pellets and control the air flow and temperatures to maintain the heating and hot water for your house.

## What are wood pellets made of?

Wood pellets are a renewable fuel made from virgin forestry residues (the parts of the tree that are too small to make timber products). To create wood pellets the bark is removed and the clean timber is chipped and dried to less than 10 percent moisture before being compressed in to small cylinder-shaped pellets of wood around 6mm diameter and 25mm long. There are no additives as the natural lignin in the wood provides the binding of the fibres to make a dense and consistent product.

## Is a wood pellet stove less maintenance than a log stove?

Wood pellets contain no bark and therefore when they are efficiently burnt in an automatic pellet stove very little ash is produced – this means maintenance for chores such as ash removal is far less than a traditional log stove. Between each time you use our wood pellet stove all you need is the pull of a lever to remove ash from the grate before starting a new fire. Starting the fire is automatic so it is just a press of a button. It's that simple! There is far less effort - no more crouching down to light the fire, no more regular ash emptying and no more getting up to refuel.

## How often should I refill my stove?

A 10 Kg bag of pellets will typically last between 1 and 3 days depending on whether your stove is running all day or just for few hours per evening. Unlike log stoves, you certainly don't have to get up and down during the course of an evening to refuel your stove. Wood pellets are filled into the hopper by pouring in through the open lid at the top of the stove. Pellets are fed from the hopper into the fire with a small screw auger so there is no need to open the stove door while the stove is alight.

## Can a wood pellet stove fit in a UK fireplace?

Most imported European pellet stoves are designed for large open planned rooms with bottom exit flue, these are too tall to fit in a fireplace and do not have a flue that suits a chimney. The Lundy stove range are 650mm high and 620mm wide, so they fit into a standard fireplace opening. The flue exits the top just like a log stove so can be fitted to chimney flues. The Lundy stove does not have to be in a fireplace so can also be free standing in a room.

## **What is the best way to store wood pellets?**

Pellets for use in a stove are best purchased in 10kg or 15kg bags. The bags are recyclable plastic bags which keep the pellets dry, however, to ensure that your wood pellets are kept in good burning condition, we suggest you store them in a cool and dry place like a garage or garden shed. Pellets are very dry so must be kept away from water and dampness as they will swell up and degrade if they get wet. Once the pellets are brought into the house you can store pellets in our pellet scuttle which allows storing and pouring into the hopper.

## **Are pellet stoves noisy?**

Many pellet stoves use electrical fans to blow the warm air into the room and yes these fans can be noisy. This is not what we wanted while relaxing in front of a fire so we spent much effort developing our Lundy stoves without convection fans. Novel heat exchanger designs and a natural convection current produces warm air to the room without the need for noisy stoves. With the Lundy you'll hear pellets softly 'tinkle' as they drop into the grate - other than that, operation is very quiet.

## **Do I need a flue as tall as the highest part of the house?**

If your stove is to be fitted in a fireplace with a useable chimney, then installing a flue liner to the top of the chimney is a straight forward option. However, if you are building an extension or fitting the stove in a part of the house where it is not straight forward to reach the highest part then a flue for a wood stove can become a difficult or even impossible task. But that is no longer a problem with the Lundy stove as we can offer a balanced (concentric) flue design that allows the air to be drawn in from the top of the chimney. This unique stove design allows lower flue termination heights and even horizontal wall exits. This means that you are no longer restricted to a tall chimney. You can have your stove wherever you want it! We have put stoves in conservatories with glass roofs, extensions and many difficult places that a conventional log stove could not be installed.

## **Can a wood stove be used in a passive house?**

Log stoves are not suitable for passive houses as they are not fully sealed (you have to open the door to fill with logs and even if the main air is drawn from outside the stove is not sealed from the room). The other problem is that a passive house needs very little heat by its design and so a log stove is not controllable and will often overheat a property. However, the Lundy stove is built for passive house; it is fully sealed when used with a concentric flue, it is thermostatically controlled and automatically modulates to very low outputs. We have developed passive house designs with our stoves so look out for our other publications on this subject.

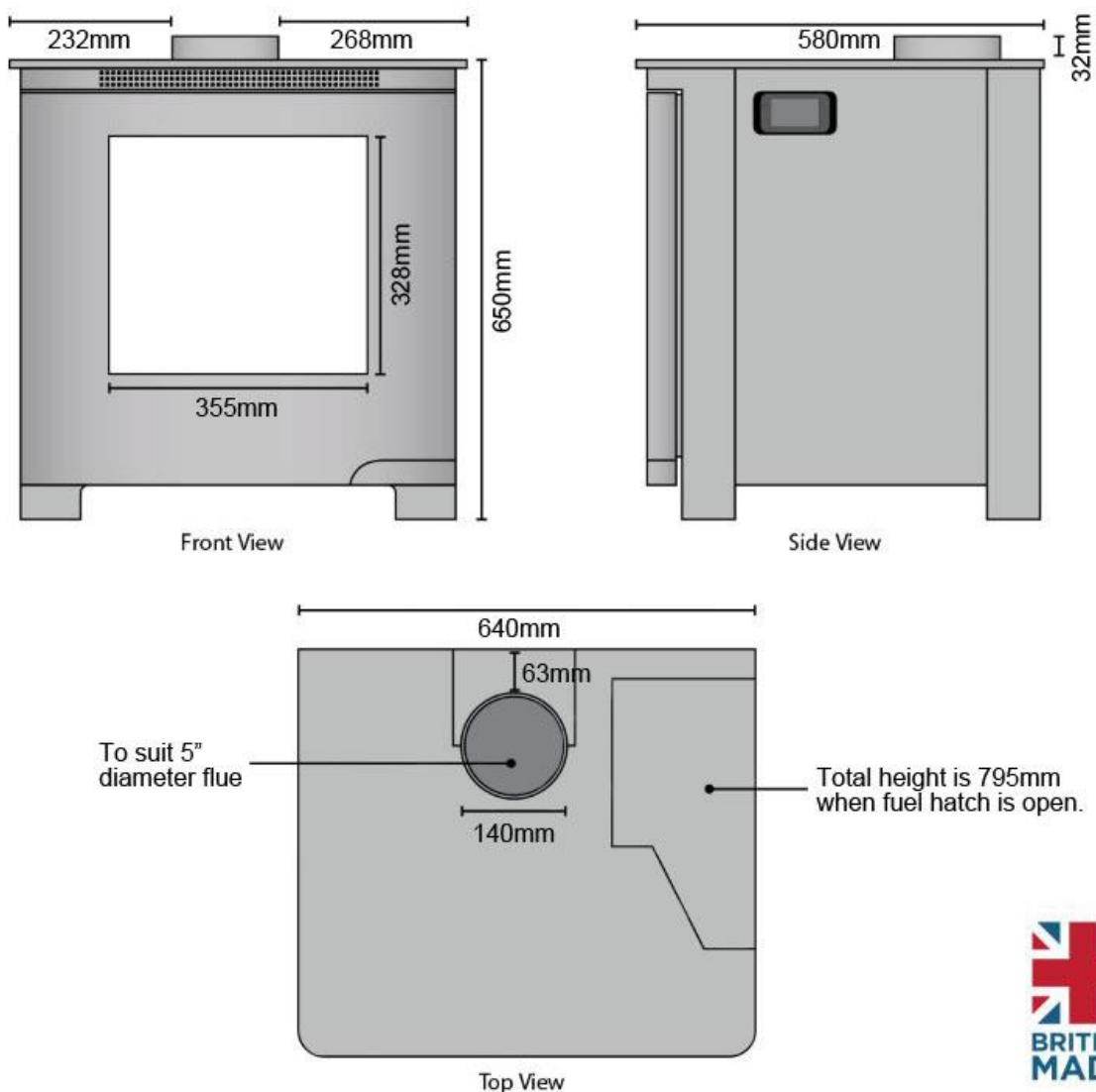
## Can a pellet stove heat water?

A pellet stove is usually considered a room heater that heats air, however a pellet stove with a boiler can provide both radiative heating to a room and also heat hot water. A pellet stove boiler which heats water can be installed to heat radiators and / or hot water cylinder. Our Lundy stove has been installed in many homes to provide the main heating and hot water system, this is achieved with our Lundy 8 boiler version which is connected to three or four radiators and a hot water tank.

## Can a wood stove be installed in a conservatory or orangery?

Yes, we have the option of the balanced flue that can be installed horizontally through a wall without having to exit through the roof.

## What are the dimensions for a pellet stove?





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