

# Biomass Heating

**ECO HEAT  
&  
POWER LTD.**



## What is Biomass?

Biomass is a broad term to describe biological materials that can be used as a source of energy. Plants capture the sun's energy drawing down  $CO_2$  then when burned they turn back into carbon dioxide and water and release the sun's energy they contain. The most popular biomass heating fuels are wood pellets, wood chips, logs, Oil Seed Rape (OSR) and straw.

## What are wood pellets?

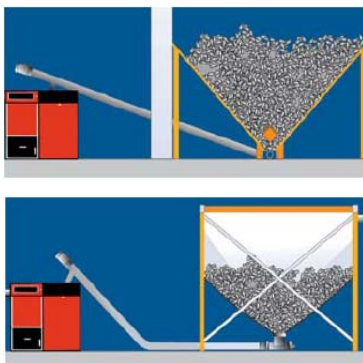
Wood pellets are highly compressed saw dust; they are very dry, very dense, dust free, easy to transport and easy to burn. It is very important to make sure that the pellets are of good quality and to make sure that your boiler is not being used for incineration of some one else's rubbish! The standards to look out for on pellets are the German DIN Plus norm and the Austrian ONorm M7135.

## Pellet Boilers

Supply space heating and water heating and are usually installed in a **plant room** or similar space.

## Plant (boiler) rooms

You should ensure you have a plant room of at least 3m by 3m in area for biomass boilers and ancillary equipment.



## Large Fuel Stores

Two options are shown for the bulk storage of pellets which can be delivered by lorry - blown into the silos. The first option is to build a silo into your building using conventional building methods, we then supply the equipment to allow the silo to be filled and for extraction into your boiler. The second option is to have a flexible bag suspended from a frame, these are particularly useful where access for building is limited. A minimum capacity to aim for is 5 tones to get the best possible price for pellet delivery. Blown deliveries are still in their infancy but we are keen for installations to be ready to take advantage of this means of delivery.

## Pellet Stoves

Supply simple space heating (like the traditional wood burning stoves) or additionally can be linked to a hot water and/or central heating system (like an oil or gas boiler). Please see our Pellet stove brochure or our Oil Seed Rape (OSR) boiler brochure.

## Please note that we are currently changing our supplier of Biomass Boilers and Stoves.

If you are interested in any of the above options please email us stating which option you would be interested in and your name, address and telephone number. Alternatively you could telephone us with this information. We will contact you once we have details of our NEW product line.

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