



Wood Energy Ltd

Engineering, Installation and Servicing of Wood-Fuelled Heating Systems

Extraflame



Pellet Stoves & boilers

31 January 2006
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Pellet stove general information 2006-07

Pellet stoves offer clean efficient heat at the flick of a switch. Environmentally friendly and beautiful to look at, these low maintenance units will enhance the décor of any room. Noise emissions were a prime consideration during the design of these stoves, which are probably the quietest available. Optionally the combustion fan can be fitted away from the stove to reduce the noise even further (on some models only).

Installation, Commissioning and Maintenance

Wood Energy Ltd is one of the largest distributors of Extraflame stoves in the UK. We are currently building a network of local installers (see attached list).

The Firefox boilers from Binder are exclusively available from Wood Energy Ltd.

Clear Skies Grant

The ExtraFlame Bella, Divina, Baby Fiamma and Preziosa are eligible for a £600 grant under Clear Skies. The Ecologica Idro is listed as a pellet boiler and therefore eligible for a £1500 grant. To obtain this, the end-user must complete the Clear Skies application form

<http://www.clear-skies.org/households/ApplicationForm.aspx> and get approval before the purchase of the stove. Once delivered, the end-user is paid the grant directly.

Wood Energy Ltd is currently working to get the remainder of stoves and boilers listed with Clear Skies.

For updates on approved stoves from Wood Energy Ltd, please see pellet stoves and wood-fuelled boilers on the Clear Skies website,

<http://www.clear-skies.org/manufacturers/RecognisedProducts.aspx>.



ExtraFlame Preziosa



Preziosa 5 kW

- Dimensions H 884mm x D 477mm x W 446mm
- Rated at 5 kW at approx. 90% efficiency
- Heat output can be turned down to ~2kW
- Self-lighting at press of a button thanks to electric ignitor fitted as standard
- Comes with on-board thermostat and timer as standard
- 11kg hopper capacity typically lasts 3 days
- Air wash system to keep glass clean
- Rubber capped adjustable legs for levelling
- Suitable wood pellet-fuels; - 6 mm, 8mm (dia)

Colour options

- Ceramic; Yellow, cream or red
- Soapstone

This product is eligible for a Clear Skies grant of £ 600
(Clear Skies Product Code BPS4028).



ExtraFlame Baby Fiamma



Baby Fiamma 5.1 kW

- ◆ Dimensions H 858mm x D 470mm x W 440mm
- ◆ Rated at 5.1 kW at approx. 90% efficiency
- ◆ Heat output can be turned down to ~2kW
- ◆ Self-lighting at press of a button thanks to electric ignitor fitted as standard
- ◆ Comes with on-board thermostat and timer as standard
- ◆ 11kg hopper capacity typically lasts 3 days
- ◆ Air wash system to keep glass clean
- ◆ Rubber capped adjustable legs for levelling
- ◆ Suitable wood pellet-fuels; - 6 mm, 8mm (dia)

Colour options

- ◆ Ceramic; Black (shown) and Red

This product is eligible for a Clear Skies grant of £ 600
(Clear Skies Product Code BPS4003).



ExtraFlame Bella Lux



Bella Lux 7 kW

- Dimensions H 1043mm x D 520mm x W 513mm
- Rated at 7 kW at approx. 90% efficiency
- Heat output can be turned down to ~2kW
- Self-lighting at press of a button thanks to electric ignitor fitted as standard
- Comes with on-board thermostat and timer as standard
- 25kg hopper capacity typically lasts 5 days
- Air wash system to keep glass clean
- Rubber capped adjustable legs for levelling
- Suitable wood pellet-fuels; - 6 mm, 8mm (dia)

Colour options

- Ceramic; Red, Yellow, Cream
- Soapstone

This product is eligible for a Clear Skies grant of £ 600
(Clear Skies Product Code BPS4001).



ExtraFlame Divina



Divina 11 kW

- Dimensions H 1150mm x D 610mm x W 576mm
- Rated at 11 kW at approx. 90% efficiency
- Heat output can be turned down to ~2kW
- Self-lighting at press of a button thanks to electric ignitor fitted as standard
- Comes with on-board thermostat and timer as standard
- 30 kg hopper capacity typically lasts 3 days
- Air wash system to keep glass clean
- Rubber capped adjustable legs for levelling
- Suitable wood pellet-fuels; - 6 mm, 8mm (dia)

Colour options:

- Ceramic; Red, Cream, Yellow

This product is eligible for a Clear Skies grant of £ 600
(Clear Skies Product Code BPS4002).



ExtraFlame Ecologica Idro



Ecologica Idro 15 kW

- Dimensions H 953mm x D 670mm x W 677mm
- Rated at 15 kW at approx. 90% efficiency
- Supplied with 8kW back-boiler
- Heat output can be turned down to ~2kW
- Self-lighting at press of a button thanks to electric ignitor fitted as standard
- Comes with on-board thermostat and timer as standard
- 30 kg hopper capacity typically lasts 3 days
- Air wash system to keep glass clean
- Rubber capped adjustable legs for levelling
- Suitable wood pellet-fuels; - 6 mm, 8mm (dia)

Colour options

- Ceramic; Red and Cream

This product is eligible for a Clear Skies grant of £ 1500
(Clear Skies Product Code BWFB7068).



ExtraFlame Lucrezia Idro



Lucrezia Idro 22 kW

- Dimensions H 1330mm x D 594mm x W 544mm
- Rated at 22 kW at approx. 90% efficiency
- Supplied with 17.5kW back-boiler
- Heat output can be turned down to ~4kW
- Self-lighting at press of a button thanks to electric ignitor fitted as standard
- Comes with on-board thermostat and timer as standard
- 45 Kg hopper capacity
- Air wash system to keep glass clean
- Rubber capped adjustable legs for levelling
- Suitable wood pellet-fuels; - 6 mm, 8mm (dia)

Colour Options

- Ceramic: Red and Cream
- Soapstone

Clear Skies approval is pending.



Optional Ash Pot for Extraflame stoves & boilers

Wood Energy Ltd recommends that every installation has an Ash Pot. This is a special container that, when connected to a standard vacuum cleaner, traps the ash before it can reach and damage the vacuum cleaner. The Ash Pot is a very simple device to use and empty providing a neat method for the quick and clean emptying of stoves.



Extraflame Stove & Boiler Servicing

Stoves need to be serviced once a year and to have the ash removed on a regular basis. Your installer will be able to advise you about the servicing of your stove.

Compliance

The installation of any permanent heating device requires that the local building control office is notified. In addition, some areas such as conservation areas or some buildings may require planning consent prior to the installation.

The flue also requires building control notification and approval, unless the installer is HETAS approved (as is Wood Energy Ltd) where self-certification is permitted.



Binder FireFox Boiler PK-Series



The Binder PK-series has a reputation for high efficiency with minimal emissions. Total reliability and user friendly operations make this the perfect boiler choice for residential areas and public buildings.

Type	Nominal outout [kW]	Exhaust pipe [mm]	Boiler dimensions [mm] W x H x D	Weight [kg]
PK 10	3.0 – 11.2	???	???	???
PK 15	4.3 – 14.9	Ø130	1240 x 1550 x 870	486
PK 25	6.3 – 25.15	Ø150	1240 x 1550 x 870	511
PK 45	8.6 – 46.7	Ø180	1450 x 1710 x 1150	550

Boiler Features

- Boiler with vertical heat exchanger tubes made out of high-grade boiler steel at a maximum working pressure of 3.5bar.
- Fully automated boiler cleaning system for regular de-ashing of the tube heat exchanger with built in turbulators for optimum heat transfer.
- High limit boiler thermostat
- Sensors for monitoring boiler and exhaust gas temperatures.
- Boiler cover manufactured from powder coated sheet steel panels incorporating full fibre glass insulation.
- Burner unit can be site installed at either side of boiler body.

Innovative Burner System

- Underfed pellet hearth burner made out of high thermal inertia high tensile grade steel.
- Double combustion zone with pre-heated multiple air distribution.
- Automatic electric ignition with industry proven ignition unit.
- User friendly maintenance regime with automatic rotating hearth system and ash disposal to external ash receiver
- Speed controlled combustion and exhaust fans
- Stoker auger made out of low maintenance high-grade steel with twin support bearings and maintenance free drive unit
- Rotary valve for 100% burn-back safety device and for optimized fuel dosage.

Fully automatic micro processor control system

- Full automatic capacity control from 30-100% output to exactly match the required load.
- Fuel and combustion air control with exhaust temperature sensing.

Clear Skies approval is pending.



Accessories for Binder FireFox Boiler PK-Series

For further accessories please get in touch with one of our installers.

Remote Controls



- Available for different heating circuits

Pellet hoppers for PK15/25

- Can be connected to the left / right side of PK15/25
- Including drive mechanism
- Capacity ~400ltr.
- Pneumatic unit prepared for subsequent installation – consisting of high-power vacuum pump and dust cyclone



Pneumatic Extraction Unit for PK15/25

- only to be used with extraction auger
- Powder coated steel pellets hopper including Dosage and fuel level sensor.
- The high-power vacuum pump transports pellets from the transition piece of the extraction auger*) through anti-static pipes*) and the dust cyclone to the pellets hopper.

