



Ponast Wood Pellet Boilers

The Future of Home Heating

The Ponast wood pellet boiler with 92% efficiency, carbon neutral emissions and up to 50% fuel savings, provides the perfect solution to modern heating requirements.

Impressively engineered with integral control panel the boiler ignites automatically and requires minimal maintenance.

Boiler models range in size from 15kw to 50kw to suit all domestic applications.

For commercial applications boilers up to 500kw are available. **Please contact the office for details.**

Features

- ▶ Fully automatic with microprocessor.
- ▶ 92% efficient.
- ▶ Highly efficient turbulator heat exchangers
- ▶ Fully modulating with output range.
- ▶ Heavy duty coxmite covering for long life.
- ▶ 5mm steel construction
- ▶ Semi automatic cleaning
- ▶ Self diagnostic fault reporting
- ▶ GSM connection (**optional**)
- ▶ Automatic cleaning (**optional**)
- ▶ Automatic de-ashing (**optional**)
- ▶ *New Feature - Integral flue fan*



Why purchase a wood pellet boiler ?

- ▶ They are carbon neutral and significantly reduce CO² emissions compared to oil & gas
- ▶ Complies with new building regulations and improves energy efficiency rating of your home.
- ▶ Estimated fuel savings up to 50%
- ▶ Wood pellets are not susceptible to large price increases as with oil & gas.
- ▶ Easily integrated into domestic heating systems.
- ▶ Improved efficiency with thermostatic control

Cost Comparisons on Fuel

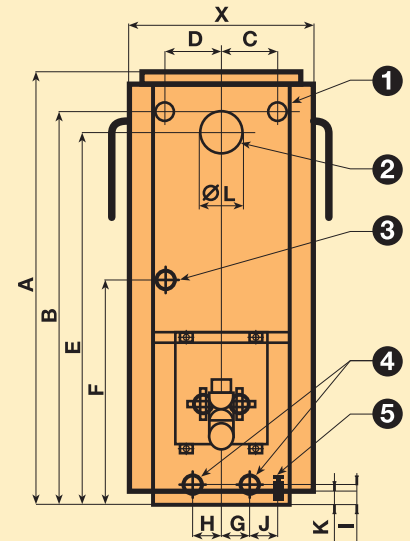
	Unit	Cost Per Unit	Fuel Price/kWh	Savings Against Pellets
Pellets	Tonne	129	2.82	
Oil	Litre	61	6.26	55%
Gas	kWh	3.31	3.48	19%
LPG	Litre	52.79	7.81	64%
Electricity	kWh	12.66	13.29	79%
Coal	Tonne	260	3.93	28%

Figures taken from the Balcas Brites website on Sept 08

Boiler Sizes

(mm)	KP 11/11E	KP 21/21E	KP10/10E	KP20/20E	KP 50/50E
A	1440	1440	1420	1420	1630
B	1310	1310	1310	1310	1460
C	121	190	190	190	255
D	—	—	—	—	255
E	1240	1240	1240	1240	1395
F	750	750	750	750	66
G	58	95	58	95	95
H	121	95	121	95	95
I	66	66	66	66	66
J	63	95	63	95	160
K	46	46	46	46	46
L	130	150	130	150	160
X	477	614	360	497	744

1. 1 1/2" flow connection
2. flue outlet
3. 1 1/2" return connection
4. electric elements
5. 1/2" drain off.



Ponast Technical Specification

	KP11	KP21	KP10	KP20	KP50	KP12	KP22	KP62
Rated output	17kw	29kw	15kw	25kw	48kw	19kw	29kw	62kw
Output range	5-17kw	8-29kw	4.5-15kw	7.5-25kw	14.5-48kw	5.5-19kw	8.5-29kw	18-62kw
Boiler connections	—	1 1/2"	1 1/2"	1 1/2"	—	1 1/2"	1 1/2"	1 1/2"
Flue diameter	130mm	150mm	130mm	160mm	160mm	130mm	130mm	160mm
Min return temp	—	55°C	55°C	55°C	—	—	—	—
Flue gas temperature	110–160°C	108–159°C	145–188°C	150–205°C	90–155°C	94–150°C	94–150°C	94–140°C
Weight kg's	255	335	210	270	490	210	270	490
Water content (litres)	55	70	58	87	105	58	87	118
Dimensions	477x980x1435	614x980x1435	360x705x1420	497x705x1420	745x1285x1630	850x1055x1440	977x1055x1440	1123x1055x1440

Detail from ponast leaflet showing boiler dimensions table & drawings. Ref: KPxx



▶ External 3.2 ton pellet store



▶ Energy Cabin



▶ Kabin-Pak

Pellet stores/silos

To avail of bulk delivery prices it is necessary to have a store with a minimum capacity of 3 tonne. We provide the following options

- ▶ internal plywood store in garage
- ▶ external "plug & play" double skinned steel tank
- ▶ **Energy Cabin** – combined boiler house and fuel store complete with boiler, flue, 3.5 ton hopper, and auger system
- ▶ **Kabin-Pak** – external housing complete with boiler, fuel and weekly store.

For more information:

Alternative Heat Ltd
11 Burrenreagh Road
Castlewellan Co. Down BT31 9HH

Telephone: +44 (0) 28 437 70700
Email: info@alternativeheat.co.uk
www.alternativeheat.co.uk