Woodpecker Pellet Boilers

Quiet
Automatic
Dependable
Efficient

WEBIOMASS.COM
Residential Pellet Boilers

Woodpecker Pellet Boilers
Proven Dependable...
Woodpecker® Wood Pellet Boiler

“Heating with a clean conscience”

Technical Features

**Quiet Operation**
**No Chimney Needed**
**High Efficiency**
**Low Emissions**
**Easy to Install**
**Fully Trained Dealers**
**Minimal Service Needs**
**Superior Support**
**Modular Feed Options (add auto feed anytime)**
**Automatic Cleaning**
**Easy to Use**
**Modulating output**
**Auto De-ash**
**Renewable Energy from Wood Pellet**

Approvals/ Certifications

| EN 303.5 | UL 2523-2009 |
| CSA B366.1-11 | Ce |
| ASME H VESSEL | CRN |

Boiler System | 25KW | 45KW |
---|---|---|
Output (KW) | 25 | 45 |
Output BTU (1,000) | 85 | 153 |
Dimensions HWD (in) | 45x45x34 | 50x50x38 |
Efficiency (%EN14785) | 94 | 94 |
Boiler Material | steel | steel |
Water Content | 13.5 | 15 |
Weight (dry) | 470 | 520 |
Footprint (in) | 69x52 | 74x56 |
Supply/ Return | 1 | 1 1/4 |

When commissioned by a Webiomass registered dealer you can be sure your boiler is set to achieve optimum efficiency and clean burning. It really is amazing how cleanly wood can burn, that is why our complete line meets or exceeds emissions standards worldwide!

Made in Rutland VT
About the Manufacturer

Webiomass Inc. is a family owned and operated manufacturer of biomass heating boilers located in Rutland Vermont USA. Using only the finest primarily US components, we manufacture residential and commercial equipment and distribute through a highly trained dealer network in the USA and Canada. All our products undergo rigorous internal quality and safety checks to ensure delivery of premier quality units.

In June 2011 Webiomass Inc. received exclusive license for Woodpecker and Thermon boilers from Woodpecker Energy UK, the largest selling line of biomass boilers in the UK.

Webiomass requires all dealers attend in depth factory training. Our dealers are the finest installers and technicians in the industry, ensuring quality installations and after support.

Unsurpassed Technology

Customer Comments

“My friends and relatives thought I was nuts installing a pellet boiler, but thanks to this unit I can now afford to be comfortable in my home.”

“The boiler is so quiet, I can barely tell if it’s running!”

“So simple to use, I just put pellets in and forget it. I’m still amazed by the lack of smoke from my chimney.”

“The boiler is working great, my installer has been very helpful whenever I have a question.”

“The folks at Webiomass are great! Their knowledge and support are better than I had hoped.”

“I only wish I had installed this boiler sooner...”
Frequently Asked Questions

How does wood pellet heating compare to oil?

Heating with a Webiomass wood pellet boiler will reduce your heating costs 35-70%. The cost of wood pellet (depending on market conditions) averages 60% the cost of home heating oil, or a minimum 40% difference. Depending on your existing system, the savings could be greater. A good website to help calculate your savings is [www.pelletheat.org](http://www.pelletheat.org). You can input your current cost of your fuel and the cost of pellet and receive a comparison. We also have tools available on our website.

Are pellets widely available?

There are currently over 140 pellet mills in the United States and that number grows continually.

Is there a big difference in pellet quality?

Yes, Webiomass recommends burning premium wood pellets with an ash content less than .5%. This ensures proper operation and maximum efficiency.

Are there any special plumbing system requirements?

In general the Woodpecker is quite easy to install. WEbiomass Inc. does require certified installers and the use of a Hot Water Accumulator Tank (Buffer Tank), particularly when the household’s temperature is controlled by several room thermostats. This is generally a more efficient way to operate the boiler, by having the boiler work hard to create a hot water store and then the boiler can shut off for longer periods once the Accumulator tank has reached the desired temperature.

What safety features does the Woodpecker incorporate?

Webiomass Inc. is pleased to say it has an unrivalled suite of safety parameters incorporated into the boiler design, for example:

- High limit thermostat on the pellet feed tube to prevent burn back
- Engineered air break hose to prevent burn back
- Spring loaded burn back protection plate system
- Flue gas temperature sensor to monitor chimney draft conditions
- Computer controlled dedicated exhaust fan, which allows for side-wall venting
- Computer controlled combustion fan for optimum efficiency
- Redundant high temperature limit thermostats (3)
- Fire door safety shut-off (if someone opens the door the boiler shuts off)

I have heard of the term modulation but what does this mean?

The Woodpecker has an energy efficient modulation system built into its control functions. What this means is the boiler can range in output from 100% power to 30% of its rated output capacity. The benefit of this is that the boiler will match the heat load demanded from the dwelling. If your house just needs 50,000 BTUs of heat output the burner adjusts to give just that amount of heat output. The pellet boiler runs more efficiently due to longer on cycles.

Can the Woodpecker work with bulk storage solutions?

For many homeowners a bulk storage solution is a very practical means of storing pellets and feeding pellet to the mini storage unit which is part of the boiler. The Woodpecker has provision for a vacuum unit or pellet auger to be fitted to the top of its mini storage unit at any time.

How often will I need to service my boiler?

Annual service by a trained technician is required. This service includes a complete breakdown and cleaning as well as ignitor replacement. A “Quick” service is required approximately every 1000 hours of operation which can be performed by the homeowner.

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