

Buffalo Pellet Stoves Presents the Ultra-Efficient B100 Pellet Stove

The B100 Buffalo Pellet Stove provides the traditional comfort of a warm fire while burning cleaner and more efficiently than other wood or gas-based sources. Utilizing a temperature-based feed control system,



the stove provides the desired heat to the home, while consuming the smallest amount of fuel possible.

The B100 will warm your home to the desired comfort level, while consuming as much as 50% less fuel when compared with other pellet stoves on the market.

Pellet fuel offers the additional advantage of environmental compatibility and is manufactured from recycled wood products. The full glass, bay-view door provides an unobstructed view of the fire with flames threading through the artificial log set.

Let it snow outside, fire up your Buffalo Pellet Stove and enjoy the ambiance of a warm fire while you save money this winter with the most technologically advanced pellet stove on the market.

**Made in the USA.
Certified by
Warnock Hersey International, Inc.**



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Ultra-Efficient Combustion System

*Featuring the
Most Advanced,
Thermostatically
Controlled Feed
and Combustion
Controls in the
Industry*

www.buffalopelletstoves.com

What Sets Buffalo Pellet Stoves Above The Rest

Temperature based feed control - Heat output is adjusted according to the set point, to room temperature difference, reducing heat output as the stove brings the home to the desired temperature. This advanced heat control system will reduce pellet consumption by up to 50% when compared to other traditional pellet stoves.

Thermostat Control or Manual Control - Stove has the ability to operate in Automatic Thermostat Control Mode or Manual Control Mode.

Automatic Thermostat Control - Using the three-button keypad on the control panel, select the desired room temperature (50 to 99 degrees F) for the stove to maintain. The stove ignites itself and adjusts the feed rate, combustion blower and circulation blower speeds based on the difference between your desired room temperature and the current room temperature.

User (Manual) Control - Using the three-button keypad on the control panel, the stove can be transferred from Automatic Thermostat Control Mode into Manual Control Mode, in this mode, the stove will burn continuously at one of five selectable feed rates.

Adjustable Base Feedrate - Base feed rate of the stove can be adjusted through the keypad to match the heating needs of your home. This base feed rate adjustment applies to all feed rates used during stove operation.

Automatic Igniter - Integrated ignition system automatically fires the stove when the digital controls detect the need for heat.

Virtually Silent Auger Feed System - High torque motor driven auger feed system delivers consistent fuel to the burn pot in near silence.

Integrated Thermostat - Built in thermal sensor provides room temperature reading to the control board, this input is used to adjust the heat output of the stove.

Automatic Shutdown (Automatic Thermostat Control Mode) - Stove shuts itself down when the control board confirms that the current room temperature has reached the user selected set point temperature.

Ever-Clean Grate - A continuously moving, self-cleaning grate eliminates ash buildup and clinker formation, allowing for multiple day unattended burning.

Real-Burn Log - The artificial log set provides the ambience of a real log fire.



Specifications:

- Heat output: 7,000 to 42,000 BTU
- Heating Capacity: 1,800+ Square Feet
- Maximum burn time: 10 to 72 hours (continuous)*
- Efficiency: 87%
- Circulation Blower: 265 CFM
- Emissions: So clean the appliance is exempt from EPA certification requirements
- Hopper Capacity, Standard: 50 lbs.
- Hopper Capacity, Extended: 90 lbs.
- Depth: 29"
- Width: 26"
- Height, Standard Hopper: 30"
- Height, Extended Hopper: 37"
- Shipping Weight: 250 lbs
- Flue Size: 3"
- Fresh Air Intake: 2"
- Mobile Home Approved: Yes

* Maximum burn time can exceed 72 hours of operation when the stove is operating in Automatic Thermostat Control Mode. The maximum burn time of the stove will be dependent upon multiple factors, including the size of the area being heated, the circulation of heated air throughout the home, how well insulated the home is, etc.

Most Advanced Digital Controls in the Industry

The B100 Buffalo Pellet Stove uses a temperature-based feed system to provide heat to your home. This technologically advanced approach to burning pellets will bring your home to the desired temperature, while consuming as much as 50% less fuel when compared to other traditional pellet stoves on the market.



The B100 is far more than a heating appliance with automatic ignition, it is an automatic temperature control system for your home. The stove utilizes an integrated thermal sensor that detects the room temperature in 0.1-degree increments and adjusts the heat output of the stove based on the set point, to current room temperature difference. The greater the difference between the current room temperature and the set point, the more heat the stove will generate. As the room temperature approaches the set point, the feed rate of pellets is decreased. This reduces the heat output of the stove, allowing it to efficiently reach and then maintain the desired room temperature. Once the stove has warmed the home to the desired set point temperature, the appliance will shut itself down, but will continue to monitor the current room temperature via the thermal sensor. When the room temperature drops below the set point, the stove will automatically fire and again provide heat to warm the home.

For those times that you want a fire in the stove for ambiance or just to provide a little additional warmth to the home, there is a second operational mode, manual (user) control, that allows you to burn the stove at one of five selectable burn rates regardless of the current room temperature.

In addition, the base feed rate of the stove is adjustable to match the heating needs of your home. Using the keypad, the base feed rate of the stove can be adjusted up or down to match your unique heating requirements. This base feed rate adjustment is utilized in both Automatic Temperature Control Mode and User (Manual) Control Mode.

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