Comfort Glow CGPS2200

Comfort Glow Pellet Stove

Model: CGPS2200

Manufactured by United States Stove Company

1. Product Overview

The Comfort Glow Freestanding Pellet Stove (Model CGPS2200) is designed to efficiently heat areas up to 2,800 square feet. It features a generous 120 lb. hopper for extended burn times, a digital control panel with an LED display and built-in thermostat, and a 200 CFM heat circulating blower for optimal warmth distribution. This model is mobile home approved and includes a remote control for convenient operation.



Figure 1: Front view of the Comfort Glow Pellet Stove.



Figure 2: Key components of the pellet stove, including the 120 lb. pellet hopper, side-mounted digital controls with temperature readout, 200 CFM blower, and large viewing glass window.



Figure 3: Product dimensions: 27"D x 26"W x 37.5"H. Approximate weight: 245 lbs.

2. Setup and Installation

2.1 Professional Installation

Installation of the Comfort Glow Pellet Stove should be performed by a qualified professional. This ensures

proper setup and adherence to local regulations and guidelines for heating appliances. The manufacturer, United States Stove Company, recommends consulting their website for a list of certified installers in your area.

2.2 Chimney and Venting

The pellet stove requires a 4-inch liner running up the chimney. If an existing 6-inch liner from a previous wood-burning stove is present, it must be removed and replaced with a 4-inch liner. A new chimney cap is also required to ensure proper venting and safety.

2.3 Unit Placement and Movement

Due to the unit's weight (245 lbs), careful planning is essential for placement and movement. Consider using a dolly or professional movers to transport the stove, especially if navigating stairs. Ensure the chosen location has adequate clearance from combustible materials as specified in the manual.

2.4 Electrical Connection

Connect the stove to a dedicated electrical outlet. It is highly recommended to use a GFCI (Ground-Fault Circuit Interrupter) outlet or a surge protector to safeguard the unit from electrical fluctuations and potential issues.

2.5 Fuel Loading

The stove features a 120 lb. hopper. To load pellets, lift the hopper lid located on the top of the unit. Pour hardwood premium wood pellets into the hopper. For optimal performance and reduced maintenance, use pellets with low ash content (less than 1%) and minimal sawdust. A full 40 lb. bag of pellets will fit into the hopper, providing approximately 24 hours of burn time on a low setting.



Figure 4: The 120 lb. hopper with the lid open for pellet loading.

3. Operating Instructions

3.1 Digital Control Panel Overview

The digital control panel, located on the side of the stove, features an LED display and intuitive buttons for operation. The main buttons include:

- **Power Button:** Turns the unit on/off.
- **Info Button:** Lights up the screen and displays current status (mode, temperature, fan speed, time).
- **Up/Down Arrows:** Adjust settings such as temperature or fan speed.
- **Back/Return Buttons:** Navigate through menu options.
- **Cycle Button:** Cycles through different modes or settings.



Figure 5: Digital control panel with LED display and control buttons.

3.2 Operating Modes

- **Manual Mode:** The stove will burn continuously at a fixed setting, without targeting a specific temperature.
- **Temperature Mode:** The stove will work to reach and maintain a set temperature. The fan and pellet feed will adjust automatically to achieve this.

3.3 Ignition Process

Upon startup, the stove enters an