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Model: HP22-N

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PRODUCT OVERVIEW

The Comfortbilt HP22-N Black Pellet Stove is a powerful and efficient heating solution designed for residential use. It features a large 80-pound hopper capacity, allowing for extended burning times, and a smart controller for precise temperature management. This model is EPA and CSA Certified, ensuring compliance with federal emissions mandates. Its heat exchanger design and powerful room blower maximize heat output from pellets, capable of heating areas up to 2,800 sq ft.



Figure 1: Front view of the Comfortbilt HP22-N Pellet Stove.

SETUP & INSTALLATION

Proper installation is crucial for the safe and efficient operation of your HP22-N Pellet Stove. This unit requires professional ventilation setup.

Ventilation Requirements:

- The stove requires a rear-mounted 3-inch standard exhaust port and a 2-inch standard air intake.
- A 4-inch chimney liner is typically required. If an existing 6-inch liner is present, it must be replaced with a 4-inch liner.
- A new cap should be installed on top of the chimney.
- Consult with a licensed professional for chimney liner installation and local building codes.

Placement and Handling:

- The stove is heavy (approximately 320 lbs). Use appropriate equipment like a dolly and sufficient personnel for moving the unit.
- Ensure the installation area has adequate floor protection (e.g., a hearth pad) if required by local codes.
- The unit's exterior dimensions are 24 inches wide, 26 inches deep, and 40 inches high with the controller mounted.

Electrical Connection:

- The stove requires a standard electrical outlet.
- It is recommended to connect the stove to a GFCI outlet or at minimum a power surge protector for added safety.

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Video 1: Overview of the ComfortBilt HP22N Series Pellet Stove, highlighting its design and features.

OPERATION

Control Panel:

The HP22-N features a smart controller with an easy-to-read display and intuitive buttons for operation.

- **Power Button:** Turns the unit on or off.
- **Info Button:** Displays current settings and status.
- **Navigation Buttons:** Use up/down/left/right arrows to navigate menus and adjust settings.
- **Remote Control:** A remote control is included for convenient adjustment of settings from a distance.

Operating Modes:

- **Manual Mode:** The stove will continuously burn at a set power level (1-5) regardless of room temperature.
- **Temperature Mode:** The stove will aim to reach and maintain a set temperature. The fire and fan speed will adjust automatically to achieve this.
- **Programmable Thermostat:** Allows scheduling of heating cycles and temperature settings for optimal comfort and pellet usage.

Starting the Stove:

1. Ensure the hopper is filled with pellets and the hopper lid is securely closed.
2. Press the power button twice to turn the unit on. The display will show