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Pleasant Hearth 15656

Pleasant Hearth 2,200 Sq. Ft. Wood Stove User Manual

Model: 15656

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation of your Pleasant Hearth 2,200 Sq. Ft. Wood Stove, Model 15656. This non-catalytic wood burning stove is designed to provide effective zone heating for areas up to 2,200 sq. ft. It is 2024 EPA certified with emissions of 1.82 grams/hr and 72% efficiency. Key features include a brick-lined firebox, chrome handles, and an air wash system for maintaining glass cleanliness. The front-loading solid cast iron door accommodates seasoned cord firewood up to 20 inches long.

Key Features:

- Heats up to 2,200 sq. ft.
- Large ceramic glass window for fire viewing.
- Built-in Air Wash system for clean glass.
- Compatible with Pleasant Hearth Wood Stove Blower PBAR-2427 (sold separately).
- 20-inch log capacity.
- Made in the USA.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always ensure proper ventilation.
- Use only seasoned cord firewood. Do not burn trash, chemicals, or treated wood.
- Maintain proper clearances to combustibles as specified in the full installation guide (not included here).
- Install smoke detectors and carbon monoxide detectors in your home.
- Keep children and pets away from the hot surfaces of the stove.
- Never leave the stove unattended while in operation.

- Regularly inspect and clean your chimney and flue pipes.

3. SETUP AND INSTALLATION

The Pleasant Hearth Wood Stove requires assembly. Refer to the separate detailed installation manual for complete instructions on assembling the stove, connecting the flue, and ensuring proper clearances. Professional installation is recommended.

Key Considerations:

- **Location:** Choose a location that meets all local building codes and fire safety regulations. Ensure adequate clearance from walls, furniture, and other combustible materials.
- **Floor Protection:** The stove must be placed on a non-combustible floor protector that extends beyond the stove's footprint according to local codes.
- **Chimney/Flue:** Connect the stove to a properly sized and installed chimney system. Ensure all connections are sealed and secure.
- **Assembly:** Follow the step-by-step instructions in the assembly guide for attaching legs, handles, and other components.



Figure 3.1: Front view of the wood stove with the door open, showing the firebox interior.



Figure 3.2: Detailed view of the firebox interior with firebricks.

4. OPERATING INSTRUCTIONS

4.1 First Fire / Curing the Stove

Before regular use, perform a series of small fires to cure the paint and sealants. This process will produce smoke and odors, so ensure adequate ventilation. Start with small kindling and gradually increase the fire size over several hours. Do not build a large, hot fire during the curing process.

4.2 Building a Fire

1. Open the air intake control fully (see Figure 4.1).
2. Place crumpled newspaper or fire starters in the firebox.
3. Stack small, dry kindling on top of the newspaper.
4. Light the newspaper/starters.
5. Once the kindling is burning well, add small pieces of seasoned firewood.
6. Once a good coal bed is established, add larger pieces of seasoned firewood (up to 20 inches long).

7. Close the stove door securely.

4.3 Air Wash System

The integrated air wash system helps keep the ceramic glass window clean. By allowing a controlled flow of air across the inner surface of the glass, it prevents creosote buildup. Ensure the air intake control is properly adjusted for optimal burning and air wash performance.



Figure 4.1: Air intake control knob.



Figure 4.2: Wood stove in operation with fire visible through the glass.



Figure 4.3: Side view of the wood stove during operation.

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Video 4.1: Example of a wood stove in a tent setting, demonstrating a potential use case for portable heating. This video is provided by Wide Open Spaces Florida.

5. MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your wood stove.

5.1 Ash Removal

Remove ashes regularly to prevent buildup that can impede airflow and reduce efficiency. Allow ashes to cool completely before removal. Use a metal container with a tight-fitting lid for disposal.



Figure 5.1: Stainless steel ash lip.



Figure 5.2: Ash pan for easy ash removal.

5.2 Glass Cleaning

The air wash system helps, but occasional cleaning of the ceramic glass may be necessary. Use a non-abrasive glass cleaner specifically designed for wood stove glass when the stove is cool.

5.3 Chimney and Flue Inspection

Have your chimney and flue pipes inspected and cleaned by a certified professional at least once a year, or more frequently if you burn wood often. This prevents creosote buildup, which can lead to chimney fires.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your wood stove.

6.1 Poor Draft / Smoke Backing Up

- **Check Chimney:** Ensure the chimney is clear of obstructions and creosote buildup. A professional inspection may be needed.
- **Air Intake:** Verify the air intake control is open sufficiently.
- **Fuel:** Use dry, seasoned firewood. Wet or unseasoned wood produces more smoke and less heat.
- **Cold Chimney:** A cold chimney can cause poor draft. Try pre-heating the flue with a small amount of newspaper before starting the main fire.

6.2 Low Heat Output

- **Fuel Quality:** Ensure you are burning good quality, seasoned firewood.
- **Air Supply:** Adjust the air intake to allow more oxygen for a hotter burn.
- **Stove Size:** Confirm the stove size is appropriate for the area you are trying to heat.

6.3 Creosote Buildup on Glass

- **Air Wash:** Ensure the air wash system is functioning correctly and the air intake is not too restricted.
- **Burning Habits:** Avoid smoldering fires. Burn hot and fast enough to keep the flue gases hot.
- **Fuel:** Use dry, seasoned wood.

7. SPECIFICATIONS

Specification	Detail
Brand	Pleasant Hearth
Model Number	15656
Heating Area	Up to 2,200 sq. ft.
Material	Alloy Steel, Cast Iron
Color	Black
Product Dimensions	25"D x 24"W x 30.5"H
Item Weight	265 Pounds
Assembly Required	Yes

Ventilation Type	Vent Free
Efficiency	72% Efficiency
Mounting Type	Freestanding
Log Capacity	20 inches
UPC	034613156564

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Pleasant Hearth 2,200 Sq. Ft. Wood Stove is backed by an industry-leading **5-year limited warranty**. Please retain your proof of purchase for warranty claims. For specific details regarding coverage and terms, refer to the warranty documentation included with your product or contact customer support.

8.2 Customer Support

For assistance with product inquiries, troubleshooting, or warranty claims, please contact Pleasant Hearth customer support. Refer to the contact information provided in your product packaging or visit the official Pleasant Hearth website.