



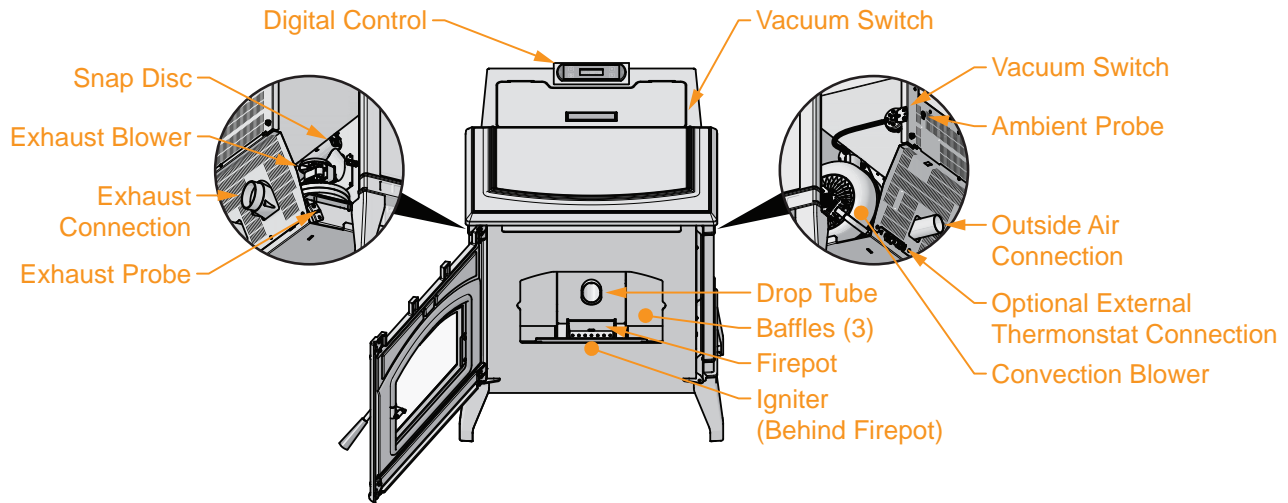
PelPro Cast Iron Pellet Stove

WARNING!

Please read this entire manual before installation and use of this pellet fuel-burning room heater, and save for future reference. Failure to follow these instructions could result in property damage, bodily injury or even death. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

Note: To obtain a French translation of this manual, please contact your dealer or visit www.pelprostoves.com. Pour obtenir une traduction française de ce manuel, s'il vous plaît contacter votre revendeur ou visitez www.pelprostoves.com

Get to Know Your PelPro® Stove



Safety First!

Safety Alert Key: It is important to pay attention to alerts you will see throughout this manual to ensure your safety.

- **DANGER!** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- **WARNING!** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **Notice:** Indicates practices which may cause damage to the appliance or to property.
- **Pro Tip:** Indicates additional information to help you better understand your stove and optimize its performance.

Notice: Fire Risk

Pelpro disclaims any responsibility, and the warranty and agency listing will be voided, by the below actions.

DO NOT:

- Install or operate damaged appliance
- Modify appliance
- Install other than as instructed by the manufacturer
- Operate the appliance without fully assembling all components
- Over fire (burning at higher temperatures than recommended causing permanent damage to the stove)
- Install any component not approved by the manufacturer
- Install parts or components not listed or approved
- Disable safety switches

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. For assistance or additional information, consult a qualified installer, service agency or your dealer.

⚠ DANGER! HOT SURFACES!

Glass and other surfaces are hot during operation AND cool down.

Hot glass will cause burns.

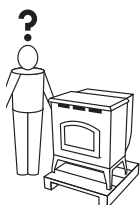
- Do not touch glass until it is cooled
- NEVER allow children to touch glass
- Keep children away if you expect that children may come into contact with this appliance, we recommend a barrier such as a decorative screen (see your retailer for suggestions)
- CAREFULLY SUPERVISE children in same room as stove
- Alert children and adults to hazards of high temperatures

High temperatures may ignite clothing or other flammable materials.

- Keep clothing, furniture, draperies and other flammable materials away

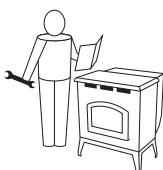


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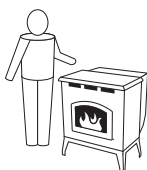
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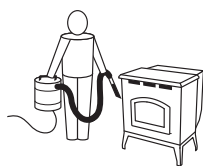
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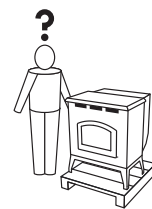
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Getting Started



Pallet Removal

There are bolts holding your PelPro stove in place on the pallet. To remove your stove from the pallet:



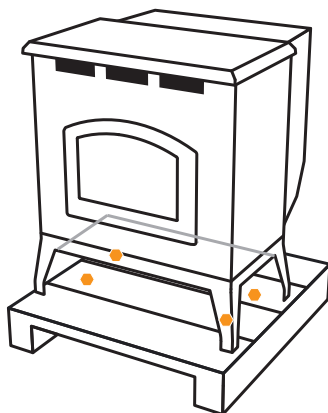
Pallet Removal

Visit pelprostoves.com or scan this code.



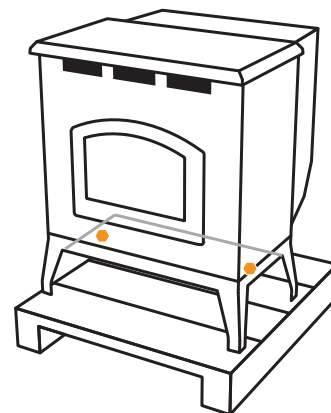
1

Using a 7/16" wrench, remove all four bolts attaching the shipping bracket to pallet.



2

Using a 3/8" wrench, remove each bolt by reaching under your stove. Tip your stove to opposite side and push bracket inward; set stove down and repeat on other side.



WARNING!

Inspect appliance and components for damage. Damaged parts may impair safe operation.

- Do NOT install damaged components.
 - Do NOT install incomplete components.
 - Do NOT install substitute components.
- Report damaged parts to consumer care.



CAUTION!

Risk of cuts, abrasions or flying debris. Wear protective gloves & safety glasses during install. Metal edges are sharp.

What's Included



Owner's manual



Cleaning tool



Power cord



Door handle

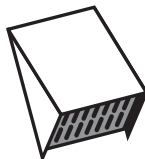


Online Installation & Trouble Shooting Videos

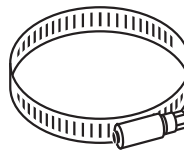
Outside air kit components:



2" Flex hose



Termination Cap

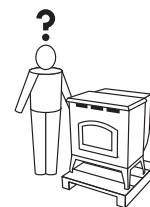


Hose clamp



Screws (4)

Getting Started



What You'll Need

Tools & Supplies

- High temperature silicone (500°F+)
- Level
- Phillips screwdriver
- Plumb line
- Tape measure
- Framing square
- Reciprocating saw
- Electric drill & bits
- Caulking gun
- Stud finder
- Utility knife
- Pliers
- Flashlight
- Hammer

Safety Equipment

Recommended for all installation and maintenance steps.



Gloves



Safety Glasses



Close-toed shoes

Pellet Vent Pipe

Must be an approved 3" or 4" diameter Type "L" or "PL" vent. Use 4" diameter vent if flue height is over 15' or if installation is over 3,000 ft. above sea level.

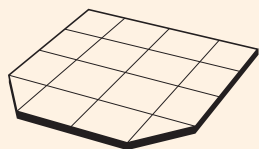


WARNING!

Fire Risk NO OTHER vent components may be used. Substitute or damaged vent components may impair safe operation.

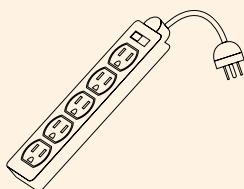
Floor Protection

Non-combustible material (such as a hearth pad) is required underneath your stove.



Surge Protector

Protect the electrical components of your stove by using a surge protector.



Pellet Fuel

Use only wood pellets in your stove. For best performance, use premium, low-ash pellets (<1%) less than 1.5" in length and avoid the dusty bits and pieces of pellets in the bottom of the bag.



Installing Your Stove



Getting Ready

Pro Tip

We highly recommend your stove and pellet vent pipe be installed by a professional installer. Your retailer can make recommendations for you.

Installation MUST comply with local, regional, state and national codes and regulations.

Consult insurance carrier, local building inspector, fire officials or authorities having jurisdiction over restrictions, installation inspection and permits.

Placement

Where you place your stove can significantly affect its performance and safety.

A Your Home Acts Like a Chimney

We recommend that you help your home by

1. Using a minimum of 5 feet of vertical venting
2. Use the supplied outside air kit
3. Install your stove on a main floor location

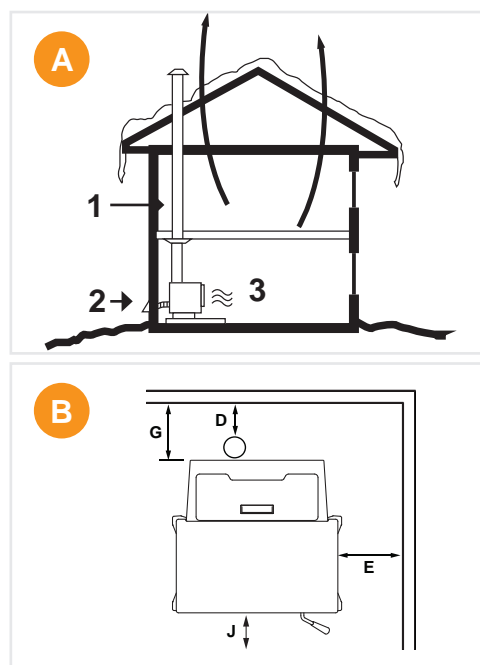
This will:

- Help your stove breathe
- Minimize smoke leakage in the house
- Enhance performance

B Clearance to Combustibles

The space between your stove and the items in your home that could burn. Materials such as:

- Wood
- Sheet rock (drywall)
- Carpet



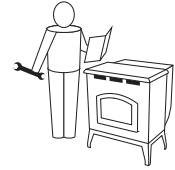
WARNING!

Asphyxiation Risk

DO NOT INSTALL IN A SLEEPING ROOM. Consumes oxygen in the room.

For Canada, the installation must conform to CAN/CSA-B365

Installing Your Stove



Getting Ready (Continued)

C Pellet Venting

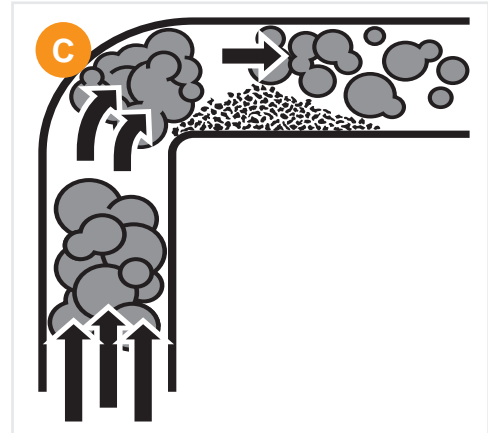
Adding bends in the exhaust path restricts air flow, reduces performance and provides a collection point for ash deposits requiring more frequent cleaning.

CAUTION

- Do not connect to any air distribution duct or system
- Do not install a flue damper in the exhaust venting system of this stove
- Do not connect this stove to a chimney flue serving another appliance
- The structural integrity of the manufactured home floor, wall and ceiling/roof must be maintained

REQUIRED:

Use only 3" or 4" type "L" or "PL" pellet pipe.



Installing Your Stove

Pro Tip

This unit can be installed with a 3 to 6 inch (76-152mm) Top Vent Offset Adapter Kit. The 3 to 6 inch (76-152mm) Top Vent Offset Adapter are tested to use 24 gauge single wall flue connector or Listed double wall flue connector to Class A Listed metal chimneys, or masonry chimneys meeting International Conference of Building Officials (ICBO) standards for solid fuel appliances.

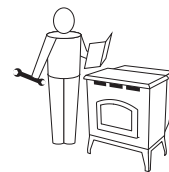
Installation Video



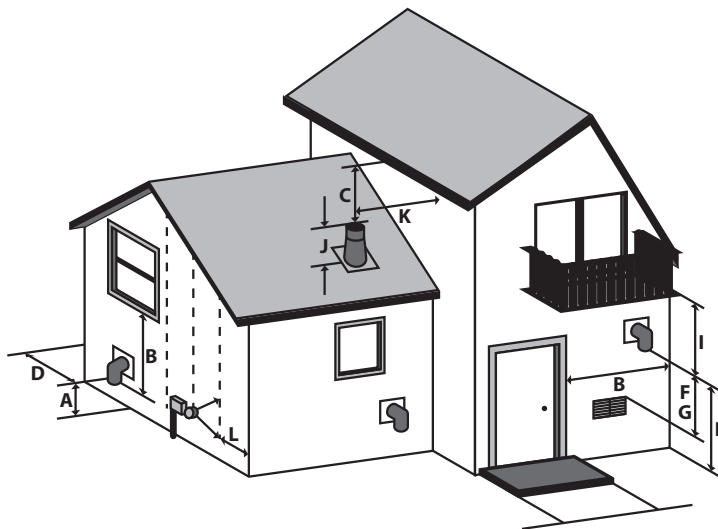
Visit pelprostoves.com or scan this code:



Installing Your Stove



Vent Termination Clearances



	Clearances	
A	12"	Clearance above grade, veranda porch, deck or balcony (Including vegetation and mulch)
B	12" with outside air k t 48" no outside air k t	Clearance beside or below any windows or doors that open
	12"*	Clearance above any window or door that opens
C	18"	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet from the center line of the terminal
D	12"	Clearance to an outside corner wall
F	12" with outside air k t 48" no outside air k t	Clearance to a non-mechanical air supply inlet to the building or a combustion air inlet to any other appliance
G	36"	Clearance to a mechanical air supply inlet
H	84"***	Clearance above a paved sidewalk or paved driveway located on public property
I	12"***	Clearance under a veranda, porch, deck or balcony
J	12"	Clearance above the roof
K	24"	Clearance from an adjacent wall including neighboring buildings
L	36" within a height of 15 feet above the meter / regulator assembly	Clearance to each side of center line of meter / regulator assembly

*Recommended to prevent condensation on windows and thermal breakage. **This is a recommended distance. For additional requirements check local codes.

Notice:

Do NOT terminate vent:

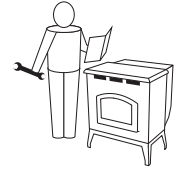
- In any location that will allow flue gases or soot from entering or staining the building
- In any location which could create a nuisance or hazard
- In any enclosed or semi-enclosed area such as a carport, garage, attic, crawl space, under a sun deck or porch or narrow walkway
- Closely fenced area, or any location that can build up a concentration of fumes such as a stairwell, covered breezeway, etc.

Notice:

Do NOT terminate below an air inlet.

- It is recommended that at least 60" (1.52m) of vertical pipe be installed when appliance is vented directly through a wall—this will create a natural draft, which will help prevent the possibility of smoke or odor venting into the home during a power outage
- It will also help prevent dust from causing a nuisance or hazard by exposing people or shrubs to high temperatures
- The safest and preferred venting method is to extend the vent vertically through the roof or above the roof

Installing Your Stove



Placing Your Stove

- 1 Stove must be installed on a non-combustible floor. If needed, place floor protection (such as a hearth pad) beneath the stove. Move stove from pallet onto your non-combustible surface. Do not operate the stove while it sits on the pallet.

Notice: Be careful to protect the bottom of the stove and floor surfaces when moving the stove. Bottom edges of stove are sharp and can scratch surfaces.

Notice: Clearances may only be reduced by means approved by the regulatory authority having jurisdiction.

- 2 Hearth pad minimum requirements:

USA Hearth Pad Requirements		Inches	mm
A	Sides	2	51
B	Back	2	51
C	Front	6	152

Canada Hearth Pad Requirements		Inches	mm
A	Sides	8	203
B	Back	2	51
C	Front	6	152

Non-combustible floor protection extending beneath the flue pipe is required with horizontal venting or under the top vent adapter with vertical installation.

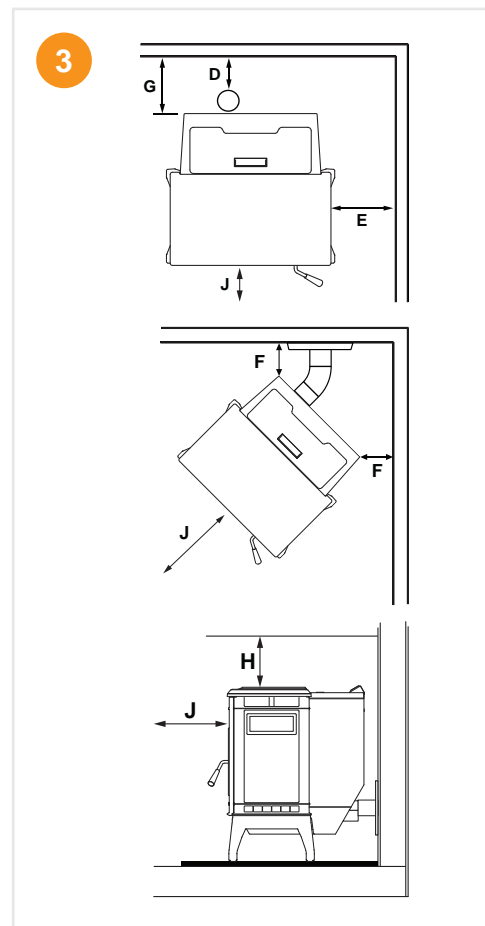
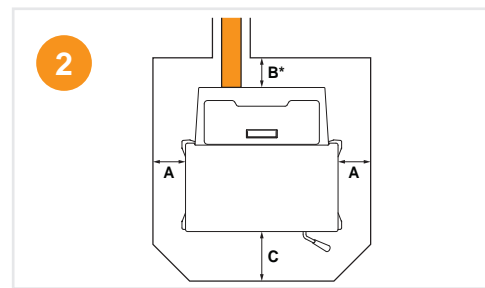
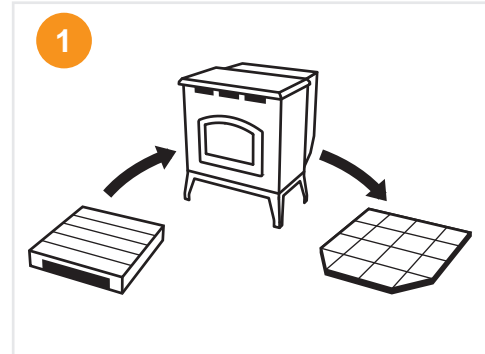
*Non-combustible floor protection must extend 2 inches (51mm) beneath the flue pipe when installed horizontal venting or under the top vent adapter with vertical installation. CANADA REQUIRED, USA RECOMMENDED.

- 3 Confirm required clearances to combustibles:

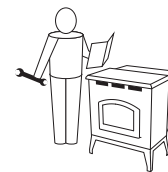
Vertical Installations (Interior Flue)			
Straight back against wall		Inches	mm
D	Back wall to pellet pipe	3	76
E	Side wall to stove	13	330

Corner Installation			
Straight back against wall		Inches	mm
F	Walls to stove	3	76

Horizontal Installations			
Straight back against wall		Inches	mm
G	Back wall to stove	2	51
E	Side wall to stove	13	330
H	Clearance to top of stove	7	178
J	Clearance to front of stove	48	1219



Installing Your Stove



Venting Your Stove

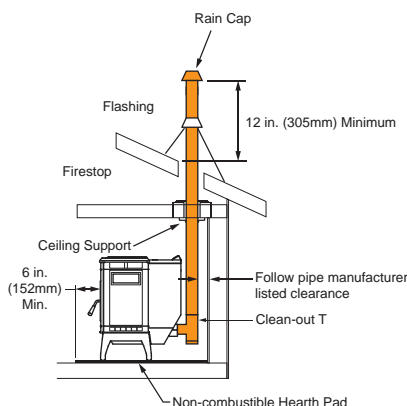


CAUTION!

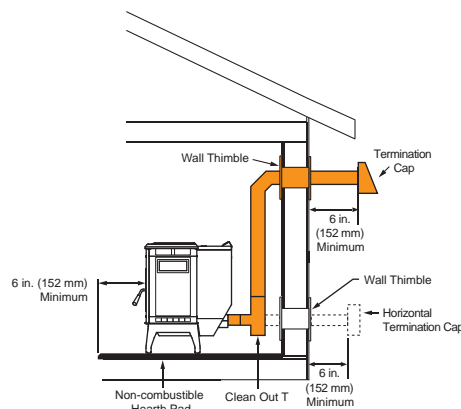
Take appropriate precautions to locate utilities within the wall and avoid contact.

- 1 Mark and cut wall for venting penetration on exterior wall (if needed).
- 2 Install wall thimble (sold separately) per manufacturer requirements.
- 3 Install venting. (For additional installation options visit pelprostoves.com)
- 4 Use silicone to create an effective vapor barrier at the location where the chimney or other component penetrates to the exterior of the structure.

Vertical - Interior, Preferred Installation



Exterior - Optional Installations



NOTE: In Canada when using a factory-built chimney it must be safety listed, Type UL103 HT (2100°F) CLASS "A" or conforming to CAN/ULC-S629M, STANDARD FOR 650°C FACTORY-BUILT CHIMNEYS.

Pro Tips

- See venting manufacturer's required clearances to combustibles
- For horizontal installations, the minimum clearance from exterior to termination cap is 6"—you may want to increase to 18" clearance to minimize soot blow back on home exterior.

Install vent at clearances specified by the manufacturer



WARNING!

Do not terminate venting in any enclosed or semi-enclosed area such as: a carport, garage, attic, crawl space, under a sun deck or porch, narrow walkway or closely fenced area, or any location that can build up a concentration of fumes such as a stairwell, covered breezeway, etc.

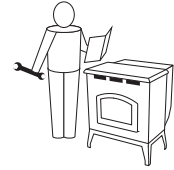


CAUTION!

Ensure that your stove venting terminates above your stove. The following may occur:

- Your stove appliance will not draft properly
- Smoke may seep in your house
- Excessive sooting

Installing Your Stove



Venting Your Stove

The maximum horizontal venting allowed with no vertical venting attached is 48 inches including one 90° elbow or two 45° elbows. Addition of any horizontal venting beyond 48 inches requires a minimum 60 inches of additional vertical vent. Horizontal sections of vent pipe should have a 1/4 inch rise per foot. We recommend using the shortest venting and fewest elbows possible when venting horizontal.

We recommend the use of 4 inch vent with any installation requiring more than two 90° elbows, or more than 15 feet of venting.

- 45° elbow is equivalent to 1 foot of straight pipe
- 90° elbow is equivalent to 3 feet of straight pipe

⚠ WARNING!

Fire Risk

- Only LISTED venting components may be used
- NO OTHER vent components may be used. Substitute or damaged vent components may impair safe operation.



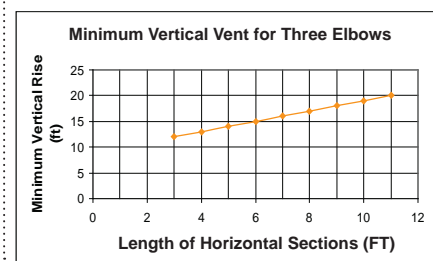
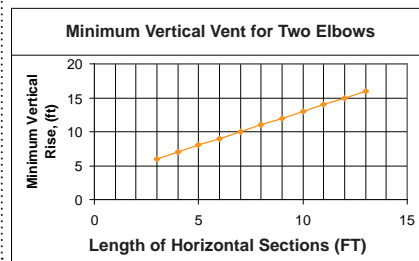
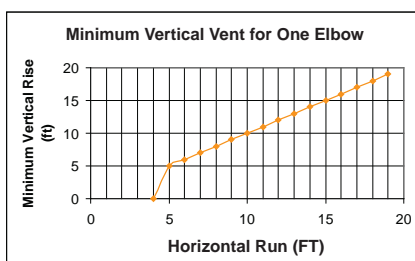
Notice:

These are guidelines for successful venting of your pellet appliance. The more vertical rise you can obtain in your system, the better it will perform. Horizontal vent runs can accumulate ash and will need to be cleaned more often. Try to keep them as short as possible.

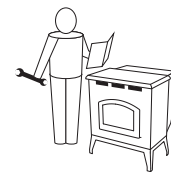
ONE 90° ELBOW		
Total Horizontal	Minimum Vertical	Vent Diameter
4	0	3
5	5	3
6	6	3
7	7	3
8	8	4
9	9	4
10	10	4
11	11	4
12	12	4
13	13	4
14	14	4
15	15	4
16	16	4
17	17	4
18	18	4
19	19	4

TWO 90° ELBOWS		
Total Horizontal	Minimum Vertical	Vent Diameter
2	5	3
3	6	3
4	7	3
5	8	3
6	9	3
7	10	4
8	11	4
9	12	4
10	13	4
11	14	4
12	15	4
13	16	4
14	17	4
15	18	4

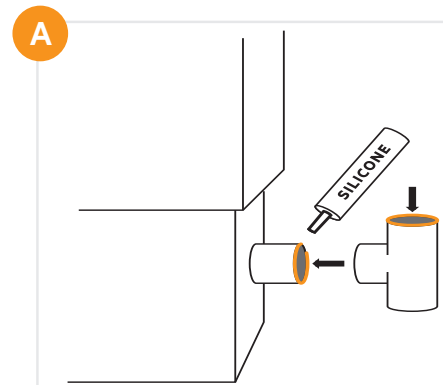
THREE 90° ELBOWS		
Total Horizontal	Minimum Vertical	Vent Diameter
2	11	4
3	12	4
4	13	4
5	14	4
6	15	4
7	16	4
8	17	4
9	18	4
10	19	4
11	20	4



Installing Your Stove



- 5 Install pellet venting through wall and connect vent/pipe to stove **A**
- Some venting manufacturers offer pellet stove adapters for their venting for easier installation
 - Seal all pipe joints using high-temp silicone (500°+)
 - Secure exhaust venting system to the appliance with at least 3 screws or rivets per the pipe manufacturer's instructions. Also secure all connector pipe joints with at least 3 screws through each joint.
 - Install termination cap
 - Confirm all required stove clearances to combustibles



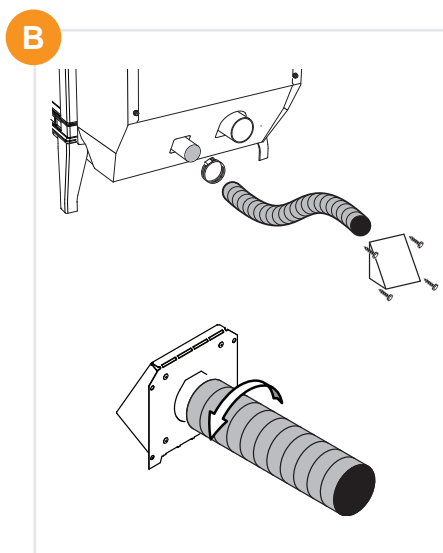
Pro Tip

Installing a cleanout "T" (sold separately) to the rear of your stove, when venting vertically can save time during cleaning.

- 6 Install outside air kit (included)
- For optimal performance, PelPro recommends the outside air kit for all installations. Outside air kit is required for all mobile/manufactured home installations.

Install through wall **B**

- Maintain clearances from exhaust
- Remove knock out in the rear of stove
 - Attach flex pipe to outside air connection on stove
 - Use hose clamp
 - Route tube outside the structure
 - Attach cap
 - Secure to outside wall with appropriate fasteners



Take a Break

Inspect your work

- _____ Confirm clearances to combustibles are maintained
- _____ Pipe joints are secure and properly sealed
- _____ Outside air kit installed properly
- _____ Confirm termination clearances

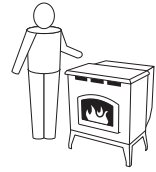


CAUTION!

Never draw outside combustion air from:

- Wall, floor or ceiling cavity
- Enclosed space such as an attic, garage or crawl space.

Using Your Stove



Fuel Tips

Fuel Material and Fuel Storage

Pellet fuel quality can greatly fluctuate. We recommend that you buy fuel in multi-ton lots whenever possible. However, we do recommend trying various brands before purchasing multi-ton lots to ensure your satisfaction. Store fuel in dry location not within clearances to combustibles of your stove.

Fuel Material

- Made from sawdust or wood by products
- Depending on the source material it may have a high or low ash content.

Higher Ash Content Material

- Hardwoods with a high mineral content
- Fuel that contains bark
- Standard grade pellets or high ash pellets

Lower Ash Content Material

- Most softwoods
- Fuels with low mineral content
- Most premium grade pellets

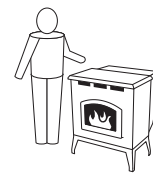
Pro Tip

We recommend the use of Pellet Fuels Institute certified pellet fuel with this product.



Your stove has a manufacture-set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or otherwise operate your stove in a manner inconsistent with operation instructions in this manual.

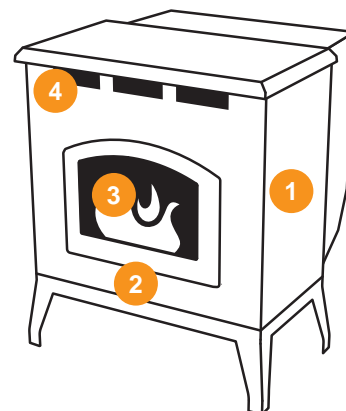
Using Your Stove



Starting your stove the first time

What to Expect

- 1 Combustion blower will turn on
- 2 Igniter will turn on
- 3 Pellets will drop, smoke may occur in firebox but will evacuate, and flame will appear in firepot.
- 4 Convection blower will automatically turn on after the stove heats up. Convection blower will continue to run even after your stove has been shut down.



Pro Tips

- Odors and vapors are released during initial startup after purchase; burning your stove on HI for 30 minutes will allow the paint to cure. Open windows or doors for air circulation until burn off is complete.
- During start up and normal operation your stove's front door must be closed
- Priming is only required the first time your stove is lit, or after a FUEL FEED ALARM.



⚠ WARNING!

Fire Risk

Keep combustible materials, gasoline and other flammable vapors and liquids clear of appliance.

- Do NOT operate appliance with door open
- Do NOT operate appliance with firepot floor open
- Do NOT store flammable materials in the appliance's vicinity
- Do NOT use gasoline, lantern fuel, kerosene, charcoal lighter fluid or similar liquids or gels to start or "freshen up" a fire in this heater

Keep all such liquids well away from the heater while it is in use as combustible materials may ignite.

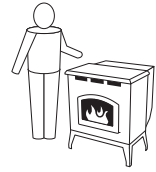


⚠ WARNING!

HOT SURFACES! Glass and other surfaces are hot during operation AND cool down.
Hot glass will cause burns.

- Do not touch glass until it is cooled
- NEVER allow children to touch glass
- Keep children away
- CAREFULLY SUPERVISE children in same room as fireplace
- Alert children and adults to hazards of high temperatures
- High temperatures may ignite clothing or other flammable materials
- Keep clothing, furniture, draperies and other flammable materials away

Using Your Stove



Use and Care

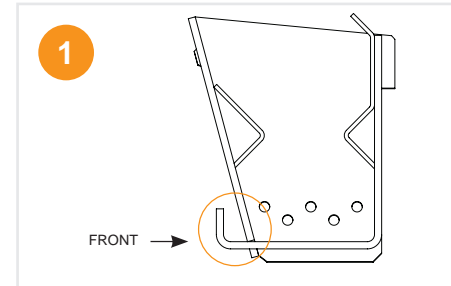
Visit pelprostoves.com or scan this code:



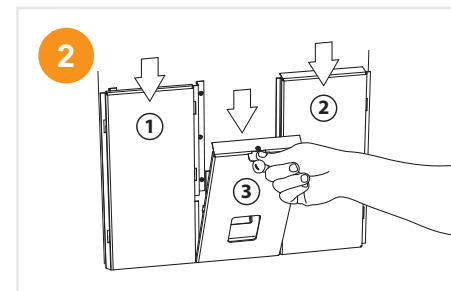
Important:

Allow up to 20 minutes for
your stove to start.

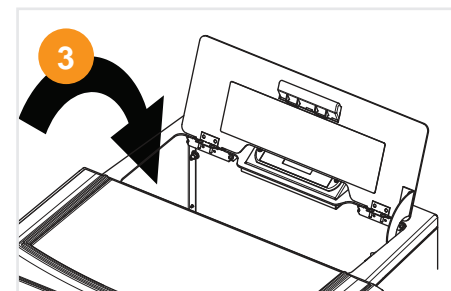
- 1 Confirm firepot is properly positioned



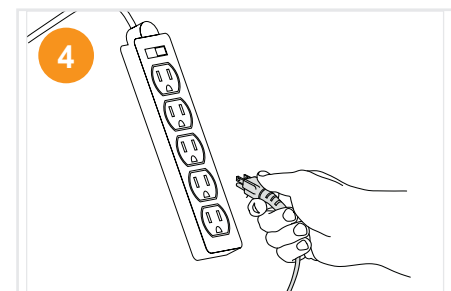
- 2 Confirm three baffles inside firebox are secure, placing the side baffles before the center



- 3 Add some pellets to hopper and fully close lid



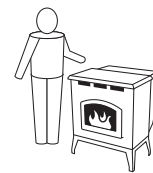
- 4 Plug in your stove



WARNING! Shock hazard.

- Plug directly into properly grounded 3 prong receptacle
- Do NOT route cord under or in front of appliance
- Recommend the use of a surge protector

Using Your Stove



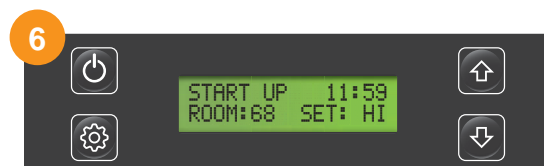
Starting your stove from an empty hopper

5 Prime your stove:

- 1) From "OFF" press
- 2) Press and hold until display reads "FEEDING."

The feed motor will run about 2 minutes.

6 Once feeding stops press power button.



CAUTION:

During this process DO NOT:

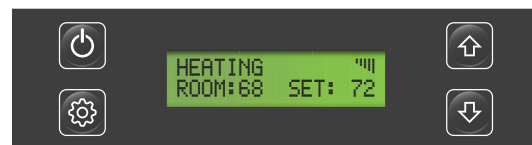
- Try to restart, manually add pellets or use any type of accelerant

Pro Tip

For all menu items press after making your selection to store value.

Comfort Settings

Control your comfort:



- **POWER button** - Used to turn your stove on, off and to reset.
- **Adjust temperature** – Set to your desired temperature level. Once the desired temperature level is achieved the stove will automatically shut down. When the temperature in the room drops below the desired temperature level, your stove will automatically restart.
 - **LO setting** – Your stove will continue to run on low regardless of room temperature.
 - **HI setting** - Your stove will continue to run on high regardless of room temperature.

Pro Tip

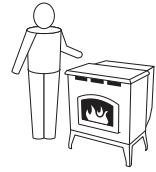
If your stove is turned to the off position and then back on, even if by mistake, your stove will go through the shutdown process (approximately 15 minutes) and restart.

Thermostat

Your PelPro stove comes with a built-in thermostat system that provides easy temperature adjustments. An external thermostat is available as an option (sold separately). To use an external thermostat:

- 1 Install according to the manufacture's instructions and connect to the back of your stove.
- 2 Set THERMOSTAT to EXTERNAL in settings menu on the digital display.
- 3 Turn stove on and set desired power setting.

Using Your Stove



If your stove tries to start but fails on the initial burn, it will display **MISSED IGNITION**.

1. Turn your stove off, remove and clean the firepot
2. Confirm firepot is properly positioned
3. Ensure there are enough pellets in the hopper.
4. Prime your stove per previous instructions



Trim Adjustment

Trim adjustment is located in the menu. This feature will adjust the air/fuel ratio and below are examples of when to use it:



- If the fire is too large, lazy or producing black soot, adjust trim down one level at a time and allow 15 minutes for stabilization before making another adjustment
- If your fire is too small and sometimes goes out when there are pellets in the hopper, adjust the trim up one level at a time and allow 15 minutes for stabilization before making another adjustment.



WARNING!

This wood heater needs periodic inspection and repair for proper operation. It is against federal regulations to operate this wood heater in a manner inconsistent with operating instructions in this manual.

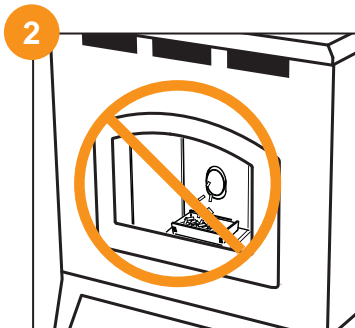
Turning Your Stove Off

- 1 Press and hold  power button for 3 seconds

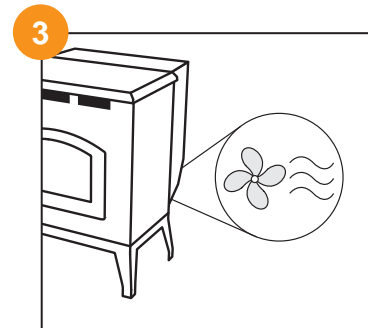


CAUTION! Smoke Hazard

- Press power button on display to OFF, let appliance completely cool and exhaust blower must be off. Now you can unplug appliance before servicing
- Smoke spillage into room can occur if appliance is not cool before unplugging

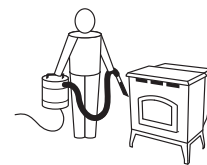


Auger stops feeding pellets.



Blowers continue to run until after the exhaust temperature has cooled.

Maintaining Your Stove



Cleaning & Maintenance

Important:

Regular cleaning helps to assure optimal performance of your stove. Please refer to page 29 to log your maintenance and cleaning.



Cleaning your stove

Visit pelprostoves.com or scan this code:



Maintaining your stove

Visit pelprostoves.com or scan this code:



What You'll Need



Cleaning tool



Phillips head screwdriver



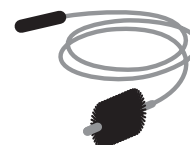
Safety glasses



Gloves



Ceramic glass cleaner & non-abrasive cloth



Flue cleaning brush



Metal container with lid

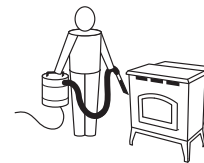


Dropcloth



Ash vacuum

Maintaining Your Stove



Where, When and How

Disposal of Ashes

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible surface or on the ground, well away from all combustible materials, pending final disposal. If the ashes are to be disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all embers have been thoroughly cooled.



WARNING!

Disconnect stove from power supply before servicing

Zone 1 - Firebox

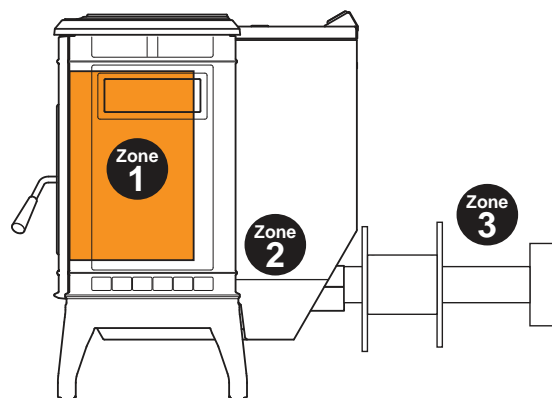
WEEKLY OR **AS NEEDED**

Firepot

- Remove the firepot
- Scrape clean and remove ashes
- Replace firepot

Firebox

- Remove baffles and vacuum residual ash
- Remove ashes from firebox floor



WARNING!

If using a vacuum to clean stove, be sure embers are thoroughly cooled to prevent a fire in the vacuum.

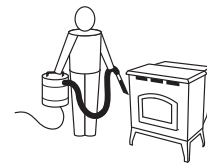
Glass

- Apply ceramic glass cleaner
- Use non-abrasive cloth to remove residue

Door Inspection

- The gasketing between the glass and firebox should be inspected periodically to make sure there is a good seal.

Maintaining Your Stove



Pro Tip

The type of fuel you are burning will dictate how often you have to clean your firepot.

If the fuel you are burning has a high dirt or ash content, it may be necessary to clean the firepot more than once a day.

Poor quality fuel will cause clinkers to form in the firepot. Clinkers are formed when dirt, ash or a non-burnable substance is heated to 2000 deg. F (1093 deg. C) and becomes glass-like.

Always burn dry fuel. Burning fuel with high moisture content takes heat from the fuel and tends to cool the appliance, robbing heat from your home.

Damp pellet fuel can clog the feed system.

CAUTION!

Handle glass assembly with care and refer to maintenance instructions. **When cleaning glass:**

- Avoid striking, scratching or slamming glass.
- Do NOT clean glass when hot
- Do NOT use abrasive cleaners
- Do NOT operate with glass cracked, broken or scratched



WARNING!

Glass is 5mm thick high temperature heat resistant ceramic glass.

- DO NOT REPLACE with any other material
- Alternate material may shatter and cause injury

Zone 2 - Stove Body

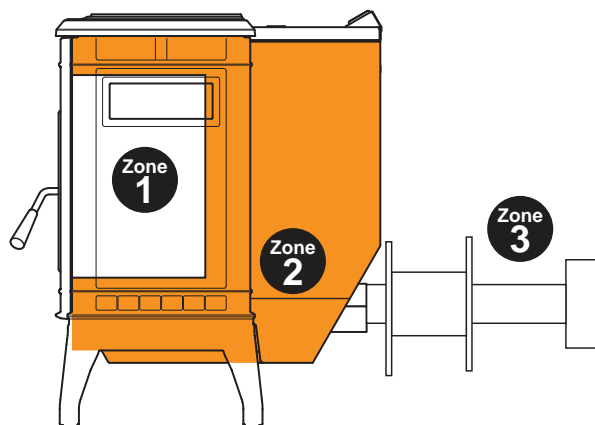
MONTHLY OR AS NEEDED

Convection Blower

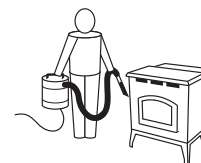
- Remove right side panel to access and remove convection blower
- Vacuum any debris from the fan blades and blower housing

Hopper

- Empty hopper of any pellets
- Vacuum any remaining pellets/debris from the hopper



Maintaining Your Stove



Electrical Components

- Identify and remove any debris
- Verify all connections are secure

ANNUALLY OR **AS NEEDED**

Exhaust Blower

- Remove right side panel to access and remove exhaust blower
- Vacuum any debris from the fan blades and blower housing

Zone 3 - Venting

ANNUALLY OR **AS NEEDED**

Termination Cap

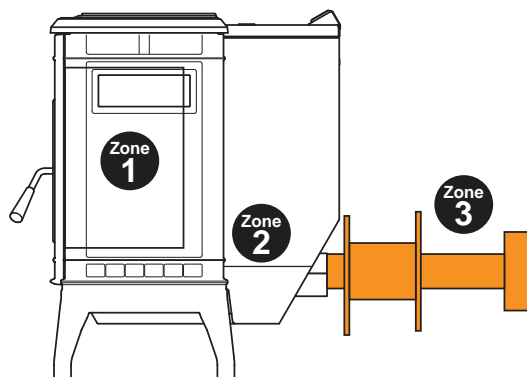
- Remove termination cap
- Brush out to remove dust and hard buildup

Vent Components

- Soot, creosote, and fly ash will collect in the exhaust venting system and restrict the flow of the flue gases. This build up will occur more quickly in horizontal sections and elbows.
- Use the appropriate sized chimney brush to remove ash and buildup from the venting

Outside Air Kit

- Ensure there are no obstructions in the outside air kit cap



Having Trouble?

Visit the Troubleshooting section of this manual.

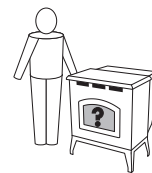
Caution!

When wood pellets are burned at a low temperature, they produce organic vapors which combine with moisture to form creosote vapors.

Creosote vapors condense in the relatively cool chimney flue of a newly-started or a low-temperature fire. As a result, creosote residue accumulates on the flue lining. When more heat is called for, this residue can be ignited, which creates an extremely hot fire in the chimney flue; this may damage the chimney or even destroy your home.

Your chimney should be inspected once every few months during the heating season to determine if a creosote or soot buildup has occurred. If creosote or soot has accumulated, it should be removed to reduce the risk of a chimney fire.

Troubleshooting



Troubleshooting your stove

Visit pelprostoves.com or scan this code:



Power Related



In the event of a power outage:


- If using a generator, Pelpro recommends a steady state generator for best stove performance.
- This stove needs 110v to run properly. This stove has not been tested for use with a third party battery backup.

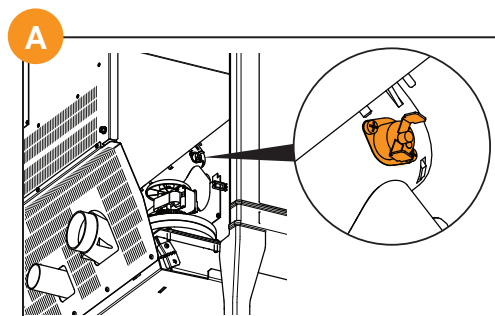
Pro Tip

Check passages to assure they are clear of ash and obstructions. Poor airflow leads to poor performance of your stove.



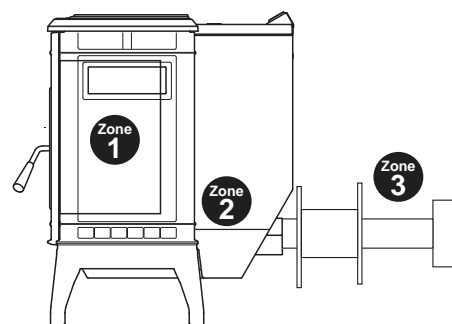
Stove plugged in but no response

- Check your home's circuit breaker
- Reset snap disc (located between drop tube and hopper (Zone 2) 
- Visually inspect wires, blowers and power cord for breaks or wear to find cause of possible short circuit (Zone 2)



Component (i.e. blower) fails to start or fails to turn off

- Check all connections and power plugs are secure
- Visually inspect wires, blowers and power cord to find cause of possible short circuit



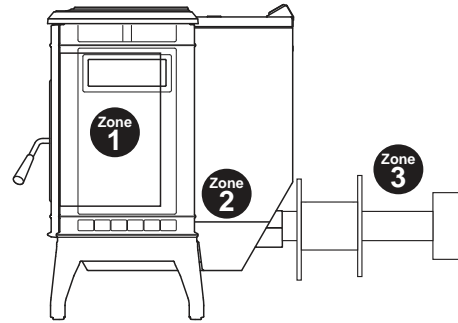
Troubleshooting



Blockage Related

Black soot on outside of house

- Confirm exhaust path is clean and clear (Zone 3)
 - Adjust air/fuel ratio using trim adjustment dial (See page 17 for trim adjustment instructions)
- Ensure termination cap has at least 18" clearance to reduce the effects of soot blow-back on home exterior (ie. siding)—if not able, refer to page 10 for alternate installation options



Rumbling/whistling noise during operation

- Confirm exhaust path is clean and clear (Zone 3)
 - Adjust air/fuel ratio using trim adjustment dial (See page 17 for trim adjustment instructions)

Stove will not light

- Confirm firepot holes are clean and clear (Zone 1)
 - Ignitor is getting hot (glows orange)
- Inspect stove body (Zone 2)
 - Confirm fuel is in hopper, close lid securely
 - Remove right side panel to access and confirm vacuum switch is clear and connected at both ends
 - Confirm all exhaust blower connections secure
 - Confirm the feed assembly and motor are clean and clear of debris
- Confirm exhaust path is clean and clear (Zone 3)

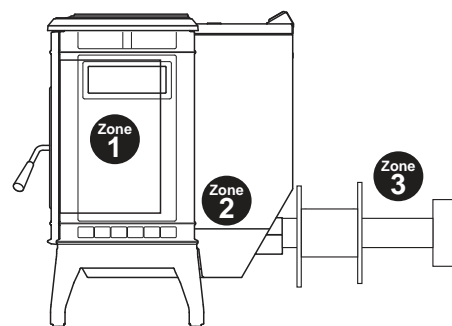
Troubleshooting



Blockage Related

Fire starts but goes out

- Confirm firebox is clean and clear (Zone 1)
 - Ensure firepot holes are clear
- Inspect stove body (Zone 2)
 - Confirm exhaust probe is connected
 - Inspect and clean the exhaust outlet
- Confirm exhaust path is clean and clear (Zone 3)



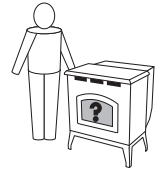
Starts and stops frequently in automatic mode

- Determine if your room is experiencing varying temperatures due to repeated opening/closing of doors or windows—correct if necessary
- Examine stove body (Zone 2)
 - Inspect ambient probe and confirm that at least 2" is exposed outside of stove body

Slow or smoky start-up and/or lazy flame

- Confirm exhaust path is clean and clear; clean your firepot and behind your baffles inside your firebox (Zone 3)
- Examine stove body (Zone 2)
 - Align igniter so it is properly placed and centered
 - Review fuel quality (see Pellet Fuel information on page 5)

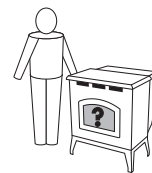
Troubleshooting



Following correction of any alarm, press  power button to clear the alarm, wait 10 seconds and turn the stove back ON.

Alarm	Possible Cause	Corrective Action
Fuel Feed Alarm Error Number 1 <i>The exhaust probe senses an abnormal temperature.</i>	No fuel is delivered to the firepot to sustain flame Hopper empty (most likely) Auger Jam (next likely) No vacuum Hopper lid open Flame is evident but the exhaust probe is not able to recognize the hot exhaust temperature Exhaust probe not attached to outlet Exhaust path is dirty	Fill the hopper, inspect the feed tube for jams, inspect the venting and firebox for obstructions and clean if necessary, inspect the exhaust blower to make sure it runs, or close the hopper lid. Inspect and clean the exhaust outlet, firebox, firepot, and behind the baffles. Inspect the exhaust probe to see if it is securely attached to the side of the exhaust outlet.
Error Number 2 <i>The exhaust probe senses an abnormal temperature.</i>	The exhaust temperature is above or below the acceptable range. Exhaust Probe Failure Not plugged in Failed component	Plug the probe into the board. Replace the component.
Error Number 3 <i>The ambient probe senses an abnormal temperature.</i>	The ambient temperature is above or below the acceptable range. Ambient Probe Failure Not plugged in Failed component	Plug the probe into the board. Replace the component.
Missed Ignition Error Number 4 <i>During the ignition sequence the load does not ignite. The unit will automatically retry once from the first failed attempt.</i>	Fuel No fuel Hopper Empty Feed jam Feed doesn't turn Feed motor disconnected or failed Firepot Firepot Dirty so fuel is not near ignition hole in the firepot Igniter No power Debris in the end of the igniter chamber	Fill the hopper Inspect and clear jam in the feed tube Inspect the feed motor circuit (hopper lid must be closed, vacuum switch must be closed (ie exhaust blower on), and feed motor must be plugged in. Clean the firepot. Check leads and see if the igniter works. Clean the end of the igniter chamber from inside the firebox (removal of the firepot required for this step).
Error Number 5 Communication Error	The Digital Display is not communicating correctly with the stove control board.	Inspect the cable for breaks or cuts and check the connection between the Digital Control and Control board. Replace the component.
Error Number 7 Exhaust Over Temperature <i>The exhaust temperature has exceeded the allowable temperature.</i>	Fuel Feed Motor Locked On Non-approved fuel used Convection blower Dirty Failed Installation Installation configuration is tight allowing for limited air circulation around the unit.	If the feed motor does not turn off, replace the control board. Review the fuel being used. Clean Replace Review the installation and move if necessary.

Troubleshooting




? Still having trouble?

Access additional resources at:
pelprostoves.com/troubleshooting



Warranty

 If replacement parts are needed, please note warranty coverage begins on the date of purchase. Retain your original receipt as proof of purchase. The warranty period for covered components is as follows:

Components Covered	Warranty Period (Parts only, Labor not included)
Electrical	1 Year
Steel Parts (excluding firepot)	5 Years
All replacement parts are covered for remainder of original warranty period or 90 days, whichever is longer	90 Days

Additional terms and limitations apply. See page 30 for complete warranty information.



Please review the “Maintaining Your Stove” and “Troubleshooting” sections in this manual.



Visit **pelprostoves.com** to access:

- Order replacement parts
- Installation videos
- Troubleshooting videos
- Use and care videos
- Manuals and more



To contact a Consumer Care Specialist, email us at **Info_PelPro@hearthnhome.com** or call **877-427-3316**.

Listings and Certifications



Appliance Certification

Series	PPC90/TSC90
Laboratory	OMNI-Test Laboratories, Inc.
Report No.	0061PS093S
Type	Solid Fuel Room Heater/Pellet Fuel Burning Type
Standard	ASTM E1509-12 and ULC S627-00, Room Heater Pellet Fuel Burning type and (UM) 84-HUD, Mobile Home Approved.



Note

This installation must conform with local codes.

In the absence of local codes you must comply with **ASTM E1509-12, ULC S627-00, (UM) 84-HUD**

⚠ WARNING!

- It is critical to have a working smoke detector installed in the home of unit operation.
- Smoke alarms that are properly installed and maintained play a vital role in reducing fire deaths and injuries. Having a working smoke alarm reduces the chance of fire related injuries.
- Install at least one carbon monoxide detector on each floor of your home.



⚠ WARNING! Asphyxiation Risk

DO NOT INSTALL IN A SLEEPING ROOM. Your stove consumes oxygen in the room.

Mobile Home Approved

This appliance is approved for mobile home installations **when not installed in a sleeping room and when an outside combustion air inlet is provided.**

- The structural integrity of the mobile home floor, ceiling, and walls must be maintained
- The appliance must be properly grounded to the frame of the mobile home with #8 copper ground wire, and use only listed double-wall connector pipe
- Outside Air Kit provided with each stove must be installed in a mobile home installation and must remain clear of leaves, debris, ice and/or snow. It must be unrestricted while the appliance is in use to prevent room air starvation which causes smoke spillage.
- The appliance must be secured to the mobile home structure by bolting it to the floor through holes provided at bottom of your cast legs on your stove.

Listings and Certifications



Glass Specifications

This appliance is equipped with 5mm ceramic glass.

Replace glass only with 5mm ceramic glass. Please contact PelPro for replacement glass.

Electrical Rating (On High)

PPC90/TSC90 Series: 115 VAC, 60 Hz, Start 2.6 Amps,

Run 0.9 Amps

BTU & Efficiency Specifications

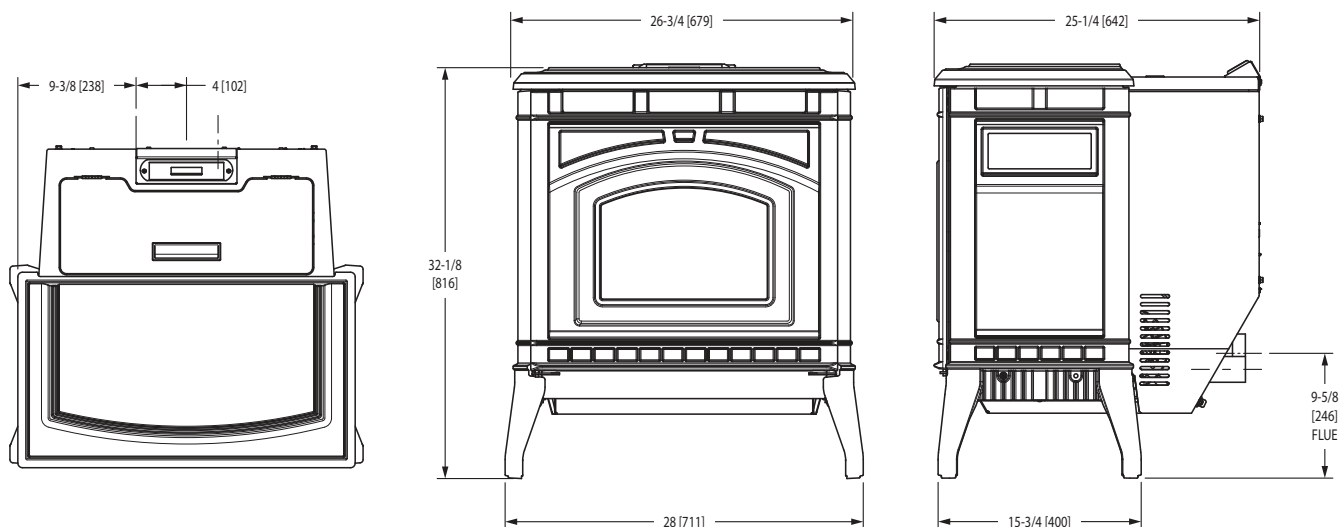
Model	PPC90/TSC90
Laboratory	OMNI-Test Laboratories, Inc.
Report No.	0061PS093E
EPA Certified	1.11 grams/hr
*BTU Input	11,055 - 47,378 / hr
*BTU Output	8,456 - 39,482 / hr
Efficiency HHV	82.3%
**Heating Capacity	Up to 2,200 sq. ft. depending on climate zone
Vent Size	3" or 4" L or PL
Hopper Capacity	90 lbs (Approximate)
Fuel	Wood pellets
Shipping Weight	340 lbs
Standard	EPA Certification 2015, test method: ASTM E2779-10



This manual describes the installation and operation of the Brand PelPro, Model PPC90/TSC90 wood heater. This heater meets the 2015 U.S. Environmental Protection Agency's crib wood emission limits for wood heaters sold after May 15, 2015. Under specific test conditions this heater has been shown to deliver heat at rates ranging from 11,055 to 47,378 Btu/hr.

*BTU input/output will vary, depending on the brand of fuel you use in your stove. **Heating capacity depends on climate zone, structure layout, insulation, windows, etc.

Stove Dimensions



Listings and Certifications



Hearth & Home Technologies, Inc. - PelPro Limited Warranty

Hearth & Home Technologies, Inc. (HHT), on behalf of its PelPro brand, extends the following warranty for PelPro appliances purchased from an authorized retailer.

If you experience issues with your PelPro appliance, Consumer Care is available to assist you with troubleshooting technical issues. Please contact PelPro Consumer Care at 1-877-427-3316 with any product issues rather than contacting the retailer where you purchased your PelPro appliance.

This warranty covers components of the PelPro appliances as listed in the table below.

Warranty Coverage:

Subject to the table below, HHT warrants to the owner of the PelPro appliance that the appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components are found to be defective in materials or workmanship during the applicable warranty period, HHT will replace the covered components.

HHT, at its own discretion, may fully discharge all of its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchase price of the product. This warranty is subject to conditions, exclusions, and limitations as described below.

Warranty Period:

Warranty coverage begins on the date of original purchase. The warranty period for covered components is as follows:

Components Covered	Warranty Period (Parts only, Labor not included)
Electrical	1 Year
Steel Parts (excluding fire pot)	5 Years
All replacement parts are covered for remainder of original warranty period or 90 days, whichever is longer	90 Days

Parts Service & Returns:

HHT is proud to offer the best technical and sales support in the industry. If you have any questions about how to operate your appliance or if you need service parts, please visit PelProStoves.com or call 1-877-427-3316.

Warranty Exclusions:

Warranty does not cover damage or breakage due to misuse, improper handling or modifications. There is no warranty on the paint, glass, fire pot, fire brick, or any gaskets, or against damage caused from corrosion. There is no expressed or implied performance warranty on PelPro units as HHT has no control over the installation, operation, cleaning, maintenance, or type of fuel burned.

Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations of implied warranties, so the limitations or exclusions set forth in this limited warranty may not apply to you. This limited warranty gives you specific legal rights and you may have other rights, which vary from state to state. Warranty is void if the PelPro appliance has not been installed, operated, cleaned and maintained in strict accordance with HHT's instructions.

NEITHER HHT NOR THE RETAILER FROM WHO YOU PURCHASED YOUR PELPRO UNIT SHALL BE RESPONSIBLE, LEGALLY OR OTHERWISE, FOR THE INCIDENTAL OR CONSEQUENTIAL DAMAGE TO PROPERTY OR PERSONS RESULTING FROM THE USE OF THIS PRODUCT. ANY WARRANTY IMPLIED BY LAW, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF THE MERCHANTABILITY OR FITNESS, SHALL BE LIMITED TO ONE (1) YEAR ON THE BREACH OF THIS WARRANTY OR ANY TYPE OF WARRANTY EXPRESSED OR IMPLIED BY LAW. HHT SHALL IN NO EVENT BE LIABLE FOR ANY SPECIAL, INDIRECT, CONSEQUENTIAL OR OTHER DAMAGES OF ANY NATURE WHATSOEVER IN EXCESS OF THE ORIGINAL PURCHASE PRICE OF THIS PRODUCT. ALL WARRANTIES BY HHT ARE SET FORTH HEREIN AND NO CLAIM SHALL BE MADE AGAINST HHT ON ANY ORAL WARRANTY OR REPRESENTATION.

Date purchased/installed: _____
(Attach proof of purchase)

Store purchased from: _____

Maintenance Log:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

