Warmth for your entire home
Burn less wood, deliver more heat

THE ULTIMATE WOOD HEAT

More convenience, safety and savings than any other method of wood heat.

CentralBoiler.com
There is no better way to heat with wood.

Since 1984, Central Boiler has been developing better designs to heat with wood. Today, Central Boiler is the largest outdoor wood furnace manufacturer because the improvements they continue to make give customers more efficient, cleaner burning and more cost-effective furnaces.

**PEACE OF MIND** Keep the fire outside and it eliminates the traditional indoor wood stove hazards. Burning wood indoors is inherently dangerous as there is a threat of a fire and carbon monoxide buildup.

**IMPROVED INDOOR ENVIRONMENT** The mess stays outside with a Central Boiler outdoor wood furnace. Anyone that has burned wood inside is familiar with the smoke, ashes, odors and soot that often occur. In addition, bringing wood indoors can bring in unwanted bugs, bark and dirt.

**FREEDOM TO DO MORE** Those that choose to heat with wood often do so because of the cost savings. With a Central Boiler outdoor wood furnace, it can take less wood to heat more space, so no matter what your costs and time are associated with acquiring your wood supply, using less wood means you’ll have more time (plus save more money!) to do other things.

**STABILITY** Wood is usually sourced locally. Conventional heat sources like propane, natural gas and fuel oil will always be susceptible to price fluctuations and are irreplaceable fossil fuels. Historically, the price of electricity trends only upward.

**SUSTAINABILITY** Harvesting wood with sustainable forestry practices helps to maintain a healthy ecosystem for wildlife habitats, aesthetics, soil and water quality, native biological diversity, and recreational opportunities. It can also significantly reduce the risks of costly wildfires.

---

**Heating with wood... “It’s the right thing to do!”**

---

**PRESERVES WILDLIFE HABITAT** Harvesting wood has a pruning effect on forests – planting new trees ensures wildlife will have a healthy habitat.

**SOIL AND WATER QUALITY** Reforestation reduces erosion risks and protects watersheds that are a source of the water we drink and use.

**AESTHETICS AND RECREATION** Sustainable forestry makes more room for new and healthier growth through reforestation.

**REDUCES FOREST FIRES** By harvesting old and dead trees that can easily burn, it can significantly reduce the risks of costly wildfires.
So advanced, it’s simple.

How a Central Boiler outdoor wood furnace works.

A Central Boiler outdoor wood furnace burns wood to heat water. The heated water is circulated through insulated underground pipes called ThermoPEX to the buildings being heated. Heated water can transfer its heat energy by direct circulation or by moving through one or more heat exchangers, or both.

**Circulation** The furnace contains water that surrounds the furnace firebox and heat exchanger. This heated water is circulated to buildings through insulated underground pipes which is a highly efficient way to move heat over distances.

**Integration** Central Boiler outdoor wood furnaces are designed to work with your existing heating system. Water-to-air or water-to-water heat exchangers or direct circulation conveys the heat into the structure's forced-air furnace, radiant baseboard or radiant floor heating system. This allows you to control the heat simply with your thermostat.

**Unlimited Hot Water** When you install a heat exchanger on your domestic water heater, you can enjoy unlimited hot water and the savings when you turn your water heater off.

**Heat Multiple Buildings** Unlike an indoor wood stove, a Central Boiler outdoor wood furnace has the ability to heat multiple buildings such as a house, garage, workshop, shed, greenhouse or barn. It can even be used to heat a swimming pool or hot tub.

**Location** The Central Boiler outdoor wood furnace is located outside, typically 30 to 200 feet (but as far as 500 feet) away.

Installation is a breeze.

Connect the piping and heat exchangers to your existing heating system and the Classic Edge is ready to go to work.

Find additional information about how outdoor furnaces work, installation scenarios, and more at CentralBoiler.com
Smart features designed with you in mind.

**Stainless Steel Firebox**
Constructed of titanium-enhanced stainless steel, the firebox has superior corrosion resistance and excellent heat transfer performance.

*Central Boiler recommends burning seasoned wood when possible because dry wood burns better and provides more energy for heating your home. You’ll burn less wood, saving you more money and time. That is, after all, what you want your outdoor furnace to do.

Actual burn times vary based on wood types, moisture content, heat load and ambient temperature.

**Vertical Easy View™ Heat Exchanger**
An industry exclusive, the patented vertical Easy View™ Heat Exchanger with hinged door provides full access without the use of tools. That makes for quick inspections and easy cleaning.

The vertical design provides great efficiency and makes maintenance and operation easy. As heat passes through the heat exchanger it is transferred into the water. Small particles in the exhaust can drop to the bottom and are easy to clean out of the Reaction Chamber. In essence, a lot of the maintenance is done for you by gravity.

**Stepper Motors**
Low-voltage, zero-maintenance stepper motors control air flow efficiently and use less power. With a simple design, they are more robust and never need adjustment or replacement due to wear.

**Air Charge Tube**
Unique to Central Boiler, the air charge tube takes the power of a raging fire and focuses it to obtain high efficiency and low emissions, helping the furnace to relight faster. Ultimately, this increased efficiency puts more heat into your home.

In other brand furnaces with a horizontal heat exchanger, particles settle in the horizontal tube or passageways, reducing exhaust flow and heat transfer efficiency. This can lead to a lot of maintenance, frequent cleaning and, over time, it can plug.

**IT’S EASY TO STAY CONNECTED**
More than just a controller, the FireStar features built-in wireless connectivity, giving you the ability to communicate with the furnace without additional equipment or cumbersome ethernet cables. Stay connected from almost anywhere in the world to the furnace that saves you money on your heating bills. You can even receive reminders such as when to add wood.

Stay connected with a limited-time complimentary FireStar subscription. Phone not included. Requires data plan, wireless router and internet to enable remote access.

**Built-in wireless connectivity - no ethernet cables needed.**
**Connect to your furnace from anywhere.**
**View your furnace’s status and performance online.**
**Receive texts or emails from your furnace.**
**Complimentary FireStar™ subscription for a limited time.**

*Watch the Vertical Heat Exchanger video*
*CentralBoiler.com > Explore > Videos*

*Watch the Air Charge Tube video*
*CentralBoiler.com > Explore > Videos*

**Patented Easy View™ Vertical Heat Exchanger**
**Hinged Door - no tools required**

**Fully accessible front and rear ash cleaning area**
Engineered to the highest standards...ours.

A. Easy Installation
Every Classic Edge model is designed with a skid base framework to make installation easy with or without a cement foundation. Simply set the furnace in place, connect the piping and heat exchangers to your existing heating system, and the Classic Edge is ready to go to work.

B. Designed for Endurance
Low-voltage, zero-maintenance stepper motors control air flow efficiently and use less power. With a simple design, they are more robust and never need adjustment or replacement due to wear.

C. Lower Emissions
The patented Air Charge Tube adds air in all the right places to aid in combustion and keeps the coals from falling through into the lower Reaction Chamber. Extreme temperatures in the Fusion Combustor re-burn the exhaust gases from the upper firebox.

D. Higher Efficiency
Final combustion takes place as these gases move downward through the Fusion Combustor to the Reaction Chamber where extremely high temperatures aid in complete combustion. This entire process results in high efficiency and extremely low emissions.

E. Burn Less Wood
A hallmark of Central Boiler furnaces for over 30 years, spray-on urethane is the ultimate airtight, waterproof insulation that locks the heat in to reduce wood usage, even at temperatures of -35°F or colder. It effectively covers all surfaces, prevents condensation, maintains its high R-value, and won’t settle or compress over time.

Comparing Insulation

<table>
<thead>
<tr>
<th></th>
<th>Urethane</th>
<th>Fiberglass Batt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waterproof</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>Airtight</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>Effectively covers all surfaces</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>Maintains R value</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>Higher R value</td>
<td>✓</td>
<td>-</td>
</tr>
<tr>
<td>Doesn’t compress</td>
<td>✓</td>
<td>-</td>
</tr>
</tbody>
</table>

F. Less Maintenance
Patent-pending Easy View™ vertical heat exchanger optimizes heat transfer and requires little maintenance (full heat exchanger is easily accessible without tools using the rear panel, if ever needed).

G. Ultimate Control
The FireStar® combustion controller monitors all functions of the furnace and optimizes the gasification process automatically with any wood type for a cleaner, more efficient burn. Working much like a car’s engine control unit (ECU), the FireStar optimizes furnace performance by using sensors to decide how to control and independently adjust the primary and/or secondary air for a cleaner and more efficient burn. It can even shut the fan off to preserve heat if it runs out of wood.

Easy Refire
With the FireStar’s all-new Easy Refire Mode, it can eliminate the hassle of relighting the fire when adding wood. If you choose to enable this optional mode, the controller uses your custom parameters to preserve enough of the current wood load to make restarting the next load easy.

Central Boiler’s Research and Development department is home to one of the most complete state-of-the-art testing laboratories in the industry. Since 1984, its goal has been to develop, engineer, test and refine a wide range of quality heating products to ensure Central Boiler quality, performance and value are in every outdoor furnace manufactured.
Sample Applications

Greenhouse Applications

Dual Heat System
In-Floor Radiant/Forced Air

Heating Multiple Buildings

Multi-Zone In-Floor

Find more applications at CentralBoiler.com
Choose ThermoPEX. Because performance matters.

Choosing the best insulated piping system for your outdoor furnace is imperative if you want to lower heat loss and reduce the amount of wood you’ll burn. The ThermoPEX insulated piping system from Central Boiler is a proven system that saves energy and maximizes the efficiency of your outdoor furnace.

**ENERGY EFFICIENT** – ThermoPEX saves energy and maximizes efficiency. The thick waterproof jacket keeps moisture out and the inner urethane insulation locks the heat in. Greater system efficiency maximizes the delivery of heat from each pound of wood so you will burn less wood compared to a system using inferior insulated piping.

**RELIABILITY** – ThermoPEX is a proven, time-tested insulated piping system.

**FLEXIBLE AND INSTALLS FAST** – Easy to handle and easy to install, requiring only a narrow trench approximately a foot deep.

Central Boiler authorized system parts and accessories

For the maximum performance and life of your outdoor furnace, always insist on using Central Boiler authorized system parts and accessories. Your Central Boiler dealer can provide you with a complete selection of parts and accessories to simplify the installation and maintenance of your system.

To locate your nearest dealer for parts, pricing or technical information, use the Dealer Locator at CentralBoiler.com.

**Our new Central Boiler system is without a doubt the finest wood burning system we have ever had the pleasure of using. The ease of operation, the efficiency, safety and the end result of a steady, dependable heat source provided by our Central Boiler stove surpasses anything we have encountered in the past 50 years of wood burning as a heat source.**

- Justin, MN

**[The Classic Edge] burns cleaner, it’s more than twice as efficient—it just doesn’t compare to anything I know of. Operating the Classic Edge is just easy.**

- Joe, MI

**The best decision I ever made was purchasing my Central Boiler.**

- Matt, MI

**This is my fourth winter owning a Central Boiler. It has literally paid for itself at least twice already. The best investment I think I ever made.**

- Dwanye, OH

**The furnace has paid for itself. It may very well be the best investment I ever made.**

- John, WV

**Our new Central Boiler system is without a doubt the finest wood burning system we have ever had the pleasure of using. The ease of operation, the efficiency, safety and the end result of a steady, dependable heat source provided by our Central Boiler stove surpasses anything we have encountered in the past 50 years of wood burning as a heat source.**

- Justin, MN

**[The Classic Edge] burns cleaner, it’s more than twice as efficient—it just doesn’t compare to anything I know of. Operating the Classic Edge is just easy.**

- Joe, MI

**The best decision I ever made was purchasing my Central Boiler.**

- Matt, MI

**This is my fourth winter owning a Central Boiler. It has literally paid for itself at least twice already. The best investment I think I ever made.**

- Dwanye, OH

**The furnace has paid for itself. It may very well be the best investment I ever made.**

- John, WV

**My Central Boiler has been a great investment over the past 4 years. I originally started heating our house, hot water, and attached garage, then added a second pump to heat a detached garage. I would recommend a Central Boiler to anyone.**

- Steve, WI

**We are into our 3rd season, this has been one of my best investments to date. We burn less wood than expected and it has been easy to learn the routine.**

- David, MI

**The best decision I ever made was purchasing my Central Boiler.**

- Matt, MI

**This is my fourth winter owning a Central Boiler. It has literally paid for itself at least twice already. The best investment I think I ever made.**

- Dwanye, OH

**The furnace has paid for itself. It may very well be the best investment I ever made.**

- John, WV

**We heat a 1730 square foot home and a two-car garage with in-floor heat. My Classic Edge 750 will heat everything for a month with just a bundle of slab wood which is $35. My wife doesn’t care so much about the money we save, but she does love the fact she can take all the hot baths she wants. We never run out of hot water anymore.**

- Steve, WI

**We have just built a 3,600 square ft house. The Central Boiler is the best thing that I could have done. After one heating season the only cost I had was paying rent on the propane tank. The heat is the warmest and most even of anywhere that I have ever been in.**

- George, OH

**We just got our first electric bill for a full month of use and it’s down probably $150 since I have the water heater shut off and my heat pump is not running...very happy customer.**

- John, PA

**We heat a 1730 square foot home and a two-car garage with in-floor heat. My Classic Edge 750 will heat everything for a month with just a bundle of slab wood which is $35. My wife doesn’t care so much about the money we save, but she does love the fact she can take all the hot baths she wants. We never run out of hot water anymore.**

- Steve, WI

**We have just built a 3,600 square ft house. The Central Boiler is the best thing that I could have done. After one heating season the only cost I had was paying rent on the propane tank. The heat is the warmest and most even of anywhere that I have ever been in.**

- George, OH

**We just got our first electric bill for a full month of use and it’s down probably $150 since I have the water heater shut off and my heat pump is not running...very happy customer.**

- John, PA

**We heat a 1730 square foot home and a two-car garage with in-floor heat. My Classic Edge 750 will heat everything for a month with just a bundle of slab wood which is $35. My wife doesn’t care so much about the money we save, but she does love the fact she can take all the hot baths she wants. We never run out of hot water anymore.**

- Steve, WI

**We have just built a 3,600 square ft house. The Central Boiler is the best thing that I could have done. After one heating season the only cost I had was paying rent on the propane tank. The heat is the warmest and most even of anywhere that I have ever been in.**

- George, OH

**We just got our first electric bill for a full month of use and it’s down probably $150 since I have the water heater shut off and my heat pump is not running...very happy customer.**

- John, PA

**We heat a 1730 square foot home and a two-car garage with in-floor heat. My Classic Edge 750 will heat everything for a month with just a bundle of slab wood which is $35. My wife doesn’t care so much about the money we save, but she does love the fact she can take all the hot baths she wants. We never run out of hot water anymore.**

- Steve, WI

**We have just built a 3,600 square ft house. The Central Boiler is the best thing that I could have done. After one heating season the only cost I had was paying rent on the propane tank. The heat is the warmest and most even of anywhere that I have ever been in.**

- George, OH

**We just got our first electric bill for a full month of use and it’s down probably $150 since I have the water heater shut off and my heat pump is not running...very happy customer.**

- John, PA
### Classic Edge Titanium HD Model Lineup

#### CLASSIC EDGE 350
**Titanium HD Series**
- **U.S. EPA Certified**
- **Firebox Volume:** 10 cubic ft
- **Total sq. ft:** 400
- **Suggestions:** 0-170
- **Fuel Consumption:** 0-170
- **Factors that affect your fuel burn rate:**
  - **Lower Fuel Consumption**
    - Decreased heat loss
    - Well insulated buildings(s)
    - Minimal cold air infiltration
    - Warmer temperature
    - Using seasoned wood with moisture content of less than 25%
  - **Higher Fuel Consumption**
    - Increased heat loss
    - Poorly insulated buildings(s)
    - Cold air infiltration
    - Colder temperature
    - Using wood with high moisture

#### CLASSIC EDGE 550
**Titanium HD Series**
- **U.S. EPA Certified**
- **Firebox Volume:** 16 cubic ft
- **Total sq. ft:** 510
- **Suggestions:** 0-395
- **Fuel Consumption:** 250-710
- **Factors that affect your fuel burn rate:**
  - **Lower Fuel Consumption**
    - Decreased heat loss
    - Well insulated buildings(s)
    - Minimal cold air infiltration
    - Warmer temperature
    - Using seasoned wood with moisture content of less than 25%
  - **Higher Fuel Consumption**
    - Increased heat loss
    - Poorly insulated buildings(s)
    - Cold air infiltration
    - Colder temperature
    - Using wood with high moisture

#### CLASSIC EDGE 750
**Titanium HD Series**
- **U.S. EPA Certified**
- **Firebox Volume:** 24 cubic ft
- **Total sq. ft:** 720
- **Suggestions:** 0-395
- **Fuel Consumption:** 1290-2510
- **Factors that affect your fuel burn rate:**
  - **Lower Fuel Consumption**
    - Decreased heat loss
    - Well insulated buildings(s)
    - Minimal cold air infiltration
    - Warmer temperature
    - Using seasoned wood with moisture content of less than 25%
  - **Higher Fuel Consumption**
    - Increased heat loss
    - Poorly insulated buildings(s)
    - Cold air infiltration
    - Colder temperature
    - Using wood with high moisture

### The Best Way to Size Your Furnace – Using Previous Heating History Including Water Heater

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Fuel Oil</th>
<th>Propane</th>
<th>Natural Gas</th>
<th>Electricity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units</td>
<td>gallons</td>
<td>gallons</td>
<td>cubic feet, therms</td>
<td>kilowatts</td>
</tr>
<tr>
<td>Units Per Month</td>
<td>x 1.18</td>
<td>x 0.78</td>
<td>x 0.0087/cu.ft</td>
<td>x 0.037</td>
</tr>
</tbody>
</table>

**Total Sizing Value**

If you have New, Well-Insulated Buildings:

- New well-insulated buildings with R28 walls, R40 ceilings, insulated basement walls. Normal sizing allows for one picture window and one patio door. Calculation does not allow for extremely large glass or air exchange heat loss. Buildings that are not well insulated are not applicable in this calculation. Use previous heating history to determine sizing.

We recommend you complete a heat load estimate (e.g., Hydronics Institute - form 1504WH).

**Factors that affect your fuel burn rate:**

- Decreased heat loss:
  - Well insulated buildings(s)
  - Minimal cold air infiltration
  - Warmer temperature
  - Using seasoned wood with moisture content of less than 25%
- Increased heat loss:
  - Poorly insulated buildings(s)
  - Cold air infiltration
  - Colder temperature
  - Using wood with high moisture

### Choose the Right Central Boiler Outdoor Wood Furnace for Your Application

**Conclusion:**

The difference between a full load of 25% moisture wood and 50% moisture wood is up to six gallons of water. Use wood with moisture content of less than 25% to decrease fuel consumption and save money on your heating bills. Choose the right Central Boiler outdoor wood furnace for your application. **BURN LESS WOOD WITH SEASONED WOOD**

**Blu’s Lost when Burning High Moisture Content Wood**

- Wood used to remove moisture
- Wood used to heat

**Factors that affect your fuel burn rate:**

- **Lower Fuel Consumption**
  - Decreased heat loss
    - Well insulated buildings(s)
    - Minimal cold air infiltration
    - Warmer temperature
    - Using seasoned wood with moisture content of less than 25%
- **Higher Fuel Consumption**
  - Increased heat loss
    - Poorly insulated buildings(s)
    - Cold air infiltration
    - Colder temperature
    - Using wood with high moisture

**Total Sizing Value**

**Compare your Total Sizing Value to the Suggested Sizing Range for the listed models.**

- **Classical Edge 350:** 0-170
- **Classical Edge 550:** 0-395
- **Classical Edge 750:** 250-710

### Foundation Dimensions

#### Classic Edge 350 (Foundation Optional)

<table>
<thead>
<tr>
<th>Front</th>
<th>Right</th>
<th>Back</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>50.70” (129 cm)</td>
<td>23.5” (60 cm)</td>
<td>50.50” (128 cm)</td>
<td>23.5” (60 cm)</td>
</tr>
</tbody>
</table>

#### Classic Edge 550 (Foundation Optional)

<table>
<thead>
<tr>
<th>Front</th>
<th>Right</th>
<th>Back</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>59.70” (151 cm)</td>
<td>24” (61 cm)</td>
<td>59.70” (151 cm)</td>
<td>24” (61 cm)</td>
</tr>
</tbody>
</table>

#### Classic Edge 750 (Foundation Optional)

<table>
<thead>
<tr>
<th>Front</th>
<th>Right</th>
<th>Back</th>
<th>Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>59” (150 cm)</td>
<td>30” (76 cm)</td>
<td>59” (150 cm)</td>
<td>30” (76 cm)</td>
</tr>
</tbody>
</table>

### Notes

- Outdoor furnace must be installed on a noncombustible surface or foundation that incorporates an enclosure that will prevent supply and return lines from possible exposure to sunlight, fire, or physical damage that may be caused by an occurrence outside the outdoor furnace enclosure. Foundation may consist of concrete, crushed rock, or patio blocks.

- **CAUTION:**
  - Use noncombustible materials for the foundation.
  - Do not use any combustible material for the foundation.
  - Do not use any combustible materials for the foundation.

- **Color selections are close representations but are limited due to print variations.**

- **Foundation Dimensions:**
  - Classic Edge 350: 50.70” (129 cm)
  - Classic Edge 550: 59.70” (151 cm)
  - Classic Edge 750: 59” (150 cm)
LEADERS IN PRODUCT QUALITY, DESIGN AND INNOVATION

Central Boiler traces its roots back to 1984 in a workshop just south of Greenbush, Minnesota. There, a single idea and some welded pieces of metal would grow into a company that is recognized today as North America's largest manufacturer of outdoor furnaces. The company’s innovations and patents come from people who take a little more time, pay a little more attention and go a little further to make sure that every Central Boiler product is ready to meet the demands of the real world.

AUTHORIZED CENTRAL BOILER DEALERS LOCATED ACROSS THE U.S. AND CANADA

When you’re looking for a wood heating system, a Central Boiler dealer is there to answer questions, provide you with literature about Central Boiler outdoor wood furnaces and help you choose the model right for your heating needs.

To locate a Central Boiler dealer in your area, visit the dealer locator at CentralBoiler.com.

Check out Central Boiler’s complete line of products at CentralBoiler.com.

The Classic Edge is U.S. EPA Certified.

Using wood as a heating fuel is endorsed by the U.S. Forestry Service.

20502 160th Street • Greenbush, MN 56726
(800) 248-4681 or (218) 782-2575
CentralBoiler.com
© 2018 Central Boiler
* ™ Trademarks of Central Boiler, Inc.

Printed in the United States 9/18

For the maximum performance and life of your furnace, always insist on using Central Boiler authorized system parts and accessories.

See Owner’s Manual for proper chimney height and installation. Minimum chimney height is determined by proximity to other buildings. Consider location and direction smoke may travel with prevailing winds before installing your furnace.

Content of this brochure is information in possession of Central Boiler at the time of the design of this publication and may not represent what was previously manufactured. Product specifications and appearance subject to change.

Must be installed in accordance with all applicable codes and regulations.

Operating an outdoor furnace may not be suitable to some individuals’ abilities or lifestyles. Be sure to review the Owner’s Manual for the appliance with your dealer. Ask your dealer about Outdoor Furnace Best Burn Practices.

FREE 25-YEAR LIMITED WARRANTY

A free 25-year limited warranty is available if your Classic Edge is registered at the time of purchase. Central Boiler leads the industry with its commitment to stand behind its outdoor wood furnaces. See Warranty Registration form for details.

Your Authorized Central Boiler Dealer

p/n 9000639 - REV. A