TOTALLY RENEWABLE HEAT SOURCE

The most advanced, efficient outdoor wood furnace on the market today.

Look for exclusive E-Classic features.

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!”**

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

Reforestation reduces erosion risks and protects watersheds that are a source of the water we drink and use.

Sustainable forestry makes more room for new and healthier growth through reforestation.

By harvesting old and dead trees that can easily burn, it can significantly reduce the risks of costly wildfires.

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**What do you currently pay for heat?**

<table>
<thead>
<tr>
<th>Cost per 100 million Btu</th>
<th>Cost per cord of seasoned red oak</th>
<th>Cost for one gallon of fuel oil</th>
<th>Cost for one therm of natural gas</th>
<th>Cost for one gallon of propane</th>
<th>Cost per kilowatt of electricity</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6.61</td>
<td>$892.9</td>
<td>$1250</td>
<td>$1359</td>
<td>$29300</td>
<td>$10.00</td>
</tr>
</tbody>
</table>

Appliance efficiency will affect annual fuel cost. Water heater savings up to an additional $1200 per year.

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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.
Installing your Central Boiler outdoor furnace is easier than you might think. Many customers choose to install their own furnace because the installation can be easily completed using the installation manual. Authorized Central Boiler dealers have all the supplies and accessories you need for installation and maintenance. All of our dealers can provide you with information regarding your installation, and most dealers can even handle the entire installation for you.

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.

**TIME SAVING OPTION**

Never start a fire manually again! The optional Gas-fired Wood Ignition Kit is easily installed in minutes without modifications and gives you the convenience of easy push-button lighting of the wood with the added convenience of automatic relighting if needed. The propane burner is standard. A natural gas conversion kit is available. Kit is pre-assembled and easy to install no wiring needed.

Available for all E-Classic Ignition Ready (IR) models, the Gas-fired Wood Ignition Kit is available from your Central Boiler dealer.

**EASY OPERATION**

Standard on all E-Classic models, the FireStar II combustion controller monitors all functions of the furnace, optimizing the gasification process by automatically adjusting the primary and secondary air for a cleaner and more efficient burn.

**EASY TO STAY CONNECTED**

FireStar keeps you in constant contact with your Central Boiler furnace if you’re away. It can even tell you when to add wood. View operational information and receive text alerts on your smartphone.

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

The optional FireStar XP is easy to install and configure. Wireless outdoor version shown. Also available as desktop or wall-mount version.

**INSULATED REAR ACCESS PANEL**

This panel swings open giving you full access to the Reaction Chamber door, power disconnect and pumps, all from one location. That makes installation and maintenance convenient and easy. The insulated panel keeps the heat in and the cold out, which preheats the combustion air and makes the furnace more efficient.
Engineered to the highest standards...ours.

**A** Ultimate Control
The FireStar® combustion controller monitors all functions of the furnace and optimizes the gasification process with any wood type for a cleaner, more efficient burn. Capable of data collection with the ability to communicate with other devices, the FireStar provides easy operation of the furnace with just the touch of a button.

**B** Less Maintenance
The Xtract® heat exchanger allows you to get the most heat out of your wood. It is designed to optimize the transfer of heat from the extremely hot gases to the water. The vertical design of the heat exchanger minimizes the amount of maintenance.

**C** Extended Burn Times
Constructed of titanium-enhanced stainless steel, the firebox is extremely resistant to corrosion. This allows loading the furnace for extended burn times when needed and can burn wood that is less than perfectly seasoned.

**D** Performance
Patented air charge tube adds air in all the right places to aid in the combustion process and keeps the coal bed from falling through.

<table>
<thead>
<tr>
<th>Comparing Insulation</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>

**E** Operational Convenience
Bypass Door allows you to redirect the exhaust before opening the firebox door. The Bypass Door Alarm reminds you to close the bypass door after you have closed the firebox door for efficient operation of your furnace.

**F** Easy Ignition Option
The optional gas-fired wood ignition takes the work and worry out of lighting a fire. With just the push of a button, the power ignition will light the fire. It will also automatically relight the fire if needed, even when you are away from home. It is just that easy.

**G** Easy Loading
Urethane foam insulation and the triple insulated firebox door give you the best energy savings, even when the conditions outside are at their worst. 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.

**H** High Efficiency, Low Emissions
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.

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

Dual Heat System
In-Floor Radiant/Forced Air

Heating Multiple Buildings

Multi-Zone In-Floor

Greenhouse Applications

NOTE
For illustrative purposes only. Actual pipe sizes may vary. 
Always consult with a contractor or provider for applications. 
Consult local building codes and regulations.

NOTE
When using mesh style tables - PEX piping must 
be protected from UV rays.

NOTE
4 mil. black poly

NOTE
Finned Tube
Forced Air

NOTE
Installer must comply with all applicable 
codes and regulations.

NOTE
1" Central PEX® - Piping is spaced 6" on center,

NOTE
4 x Pipe Dia. Max. (e.g., for 1" pipe, fittings must
not be more than 4" apart)

NOTE
If heating loops are above manifolds, 
additional controls (e.g. zone valve or
flow check) may be needed to prevent 
ghost flow (see Radiant Heat with 
Flow-Check Valve illustration).

NOTE
A pump must be installed in the hot 
supply line between the outdoor furnace 
and thermostatic valve.

NOTE
Outdoor furnace water 
temperature setpoint should 
be set at 185˚F minimum.

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 INSTILLS 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.

Download the parts and accessories catalog at CentralBoiler.com/pdf/catalog-parts.pdf

Read, watch and hear more at CentralBoiler.com

What Central Boiler owners say.

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 steadily dependable heat source provided by our Central Boiler stove surpass anything we have encountered in the past 50 years of wood burning as a heat source.

- Justin, MN

I recently bought an E-Classic, when the heater arrived I was skeptical that it could heat my entire house! My home is 8,000 plus square feet, well I’m happy to say I was wrong! This thing is amazing! I was on heating oil, and in the dead of winter I was burning about $1,600 a month in heating oil and propane to heat my house and hot water! I now have more hot water than I know what to do with! And my cost savings are out of this world! I’m going through a cord of wood a week at $125 a cord so that’s $500 per month compared to the $1,600 I was spending! I know this sounds too good to be true but it is!

- Thad, AK

I installed a Central Boiler 2 years ago. I heat a 2,500 square foot farm house and heat water for a family of 6. I haven’t used a drop of fuel oil since and have even turned off the breaker to the water heater.

- Lee, MI

I purchased my Central Boiler last December and we love it! I sometimes find myself saying I wish I had it 10 years ago. Thanks.

- Barry, TN

I think that the Central Boiler should be rated a 12 on a 1 out of 10. This is such a wonderful product, no home should be without one.

- David, OH

We purchased our Central Boiler last December and we love it! I sometimes find myself saying I wish I had it 10 years ago. Thanks.

- Barry, TN

I have been an owner of a Central Boiler since 1992. It has been a great money saver over these many years.

- Randy, MN

This is my second winter with the Central Boiler and my only regret is that I didn’t buy it sooner.

- David, IL

I load it once a day and forget about it. It is so much more convenient than having to constantly load the indoor wood burner and I am using about half the wood. I am more at ease with the fire outside away from the house along with the dust, bugs and ash. It has also been nice not having to hear the propane hot water heater run at all. The unit is nicely constructed and blends in with the surroundings out in the yard.

- Lucas, NC

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

- Matt, MI

This is the fourth year I have owned my Central Boiler and I have to say, it may very well be the best investment I have ever made. The furnace has paid for itself. I continue to be impressed with the quality and efficiency of the Central Boiler product, the simplicity of maintenance, and the excellent dealer support I receive. I have recommended your product to many people and will continue to do so, as I truly believe it is superior to your competitors.

- John, WV

This is the fourth year I have owned my Central Boiler and I have to say, it may very well be the best investment I have ever made. The furnace has paid for itself. I continue to be impressed with the quality and efficiency of the Central Boiler product, the simplicity of maintenance, and the excellent dealer support I receive. I have recommended your product to many people and will continue to do so, as I truly believe it is superior to your competitors.

- John, WV
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>
<th>Wood</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units</td>
<td>gallons</td>
<td>gallons</td>
<td>cubic feet, therms</td>
<td>kilowatts</td>
<td>cords</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 0.87/therm</td>
<td>x 0.037</td>
</tr>
<tr>
<td>Sizing Value</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 loss estimate (e.g., Hydronics Institute - form 1504WH).

Total Sizing Value

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

Furnace | Suggested Sizing Range
---|---
E-Classic 1450 | 0-475
E-Classic 3250 | 475-1800*

* Full cords of medium to high-quality wood.

Factors that affect your fuel burn rate

<table>
<thead>
<tr>
<th>Lower Fuel Consumption</th>
<th>Decreased heat loss</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Well insulated building(s)</td>
</tr>
<tr>
<td></td>
<td>Minimal cold air infiltration</td>
</tr>
<tr>
<td></td>
<td>Warmer temperature</td>
</tr>
<tr>
<td></td>
<td>Using seasoned wood with moisture content of less than 25%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Increased heat loss</th>
<th>Higher Fuel Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poorly insulated building(s)</td>
<td></td>
</tr>
<tr>
<td>Cold air infiltration</td>
<td></td>
</tr>
<tr>
<td>Colder temperature</td>
<td></td>
</tr>
<tr>
<td>Using wood with high moisture</td>
<td></td>
</tr>
</tbody>
</table>

BURN LESS WOOD WITH SEASONED WOOD

Burn’s Lost when Burning High Moisture Content Wood

Seasoned Wood

Wood with moisture content of less than 25%

Wood With High Moisture

Wood with moisture content of more than 50%

The difference between a full load of 25% moisture wood and 50% moisture wood is up to six gallons of water.
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.

The E-Classic 1450 and 3250 are U.S. EPA Certified.

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

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(800) 248-4681 or (218) 782-2575
CentralBoiler.com
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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.

*European EN 303-5 efficiency results for the E-Classic E 1450 are rounded to the nearest whole number. Results vary based on wood species, wood quality, wood quantity and moisture content. The efficiency of other models varies.

FREE 25 YEAR LIMITED WARRANTY

A free 25 year limited warranty is available if your E-Classic 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