



**CLASSIC
EDGE™**
TITANIUM HD SERIES

THE ULTIMATE WOOD HEAT



Warmth for your entire home



Keep the fire and mess outside




Burn less wood, deliver more 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.
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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.



What do you currently pay for heat?				
Cost per 100 million Btu				
Cost per cord of seasoned red oak	\$	x 6.61	= \$	Cost of fuel annually
Cost for one gallon of fuel oil	\$	x 892.9	= \$	Cost of fuel annually
Cost for one therm of natural gas	\$	x 1250	= \$	Cost of fuel annually
Cost for one gallon of propane	\$	x 1359	= \$	Cost of fuel annually
Cost per kilowatt of electricity	\$	x 29300	= \$	Cost of fuel annually
Appliance efficiency will affect annual fuel cost. Water heater savings up to an additional \$1200 per year.				

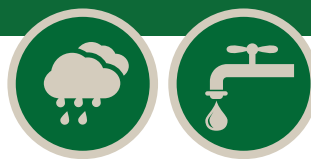
Heating with wood...
"It's the right thing to do!"

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.



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.

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.

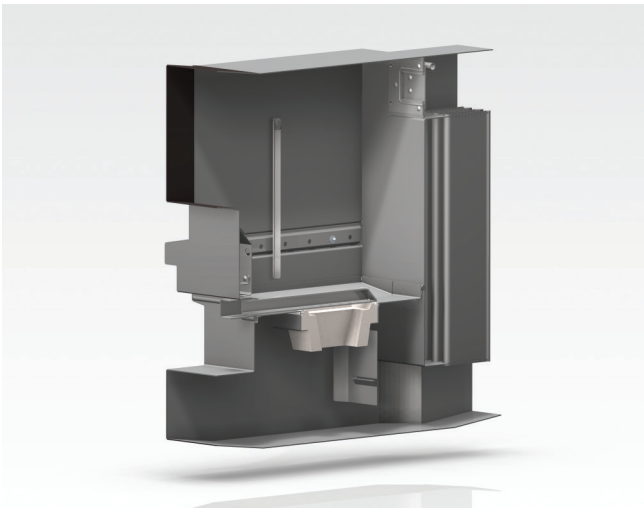
LOCATION The Central Boiler outdoor wood furnace is located outside, typically 30 to 200 feet (but as far as 500 feet) away.

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.
The result? An outdoor furnace that is simple to operate and easy to maintain.



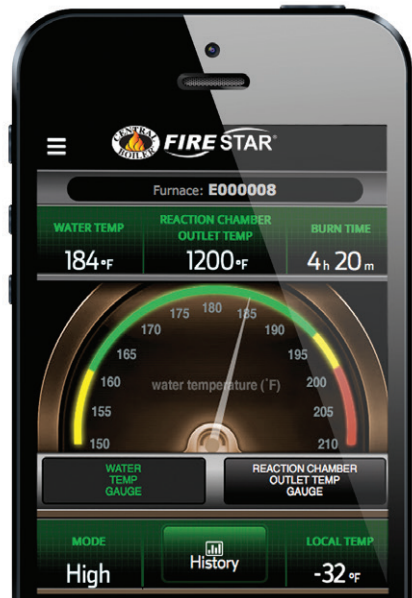
Classic Edge Titanium HD Series firebox cutaway view

**CLASSIC
EDGE™**
TITANIUM HD SERIES

Stainless Steel Firebox

Constructed of titanium-enhanced stainless steel (proven to be the best, most forgiving firebox material), 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 without the adverse affects that a non-stainless steel firebox can experience.

**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.*



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.

View operational information and receive text alerts on your smartphone.

Phone not included. Requires data plan, wireless router and internet to enable remote access.

FIRE STAR®
with E-Link Technology

Stay connected with a limited-time complimentary FireStar subscription.

E-Link™ Technology inside

Built-in wireless connectivity - no ethernet cables needed.

Connect to your furnace from anywhere.

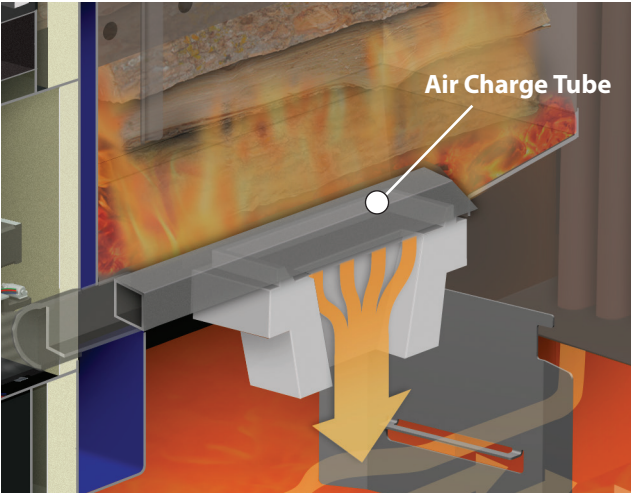
View your furnace's status and performance online.

Receive texts or emails from your furnace.

Complimentary FireStar™ subscription for a limited time.

See dealer for details or visit CentralBoiler.com/FireStar

Live FireStar XP Demo at CentralBoiler.com



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.

With so many features not found in any other furnace, the Classic Edge stands out as a true engineering marvel.

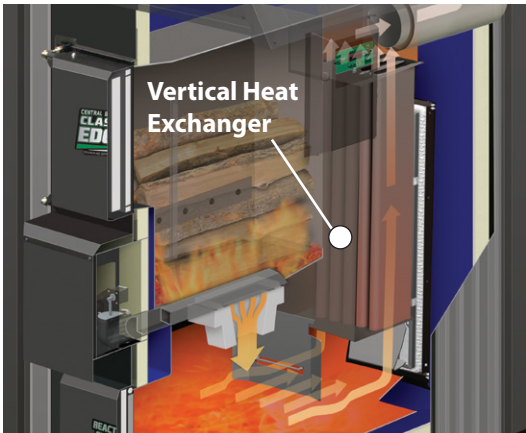
Watch the Air Charge Tube video
CentralBoiler.com > [Explore](#) > [Videos](#)

Vertical Heat Exchanger

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.

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.



Easy View™ Heat Exchanger

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

Watch the Vertical Heat Exchanger video
CentralBoiler.com > [Explore](#) > [Videos](#)

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.



Helpful installation videos at
CentralBoiler.com > [Explore](#) >
[Videos](#) > [DIY](#)

B Designed to Perform

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.

C Lower Emissions

Extreme temperatures in the **Fusion Combustor** re-burn the exhaust gases from the upper firebox.

D Higher Efficiency

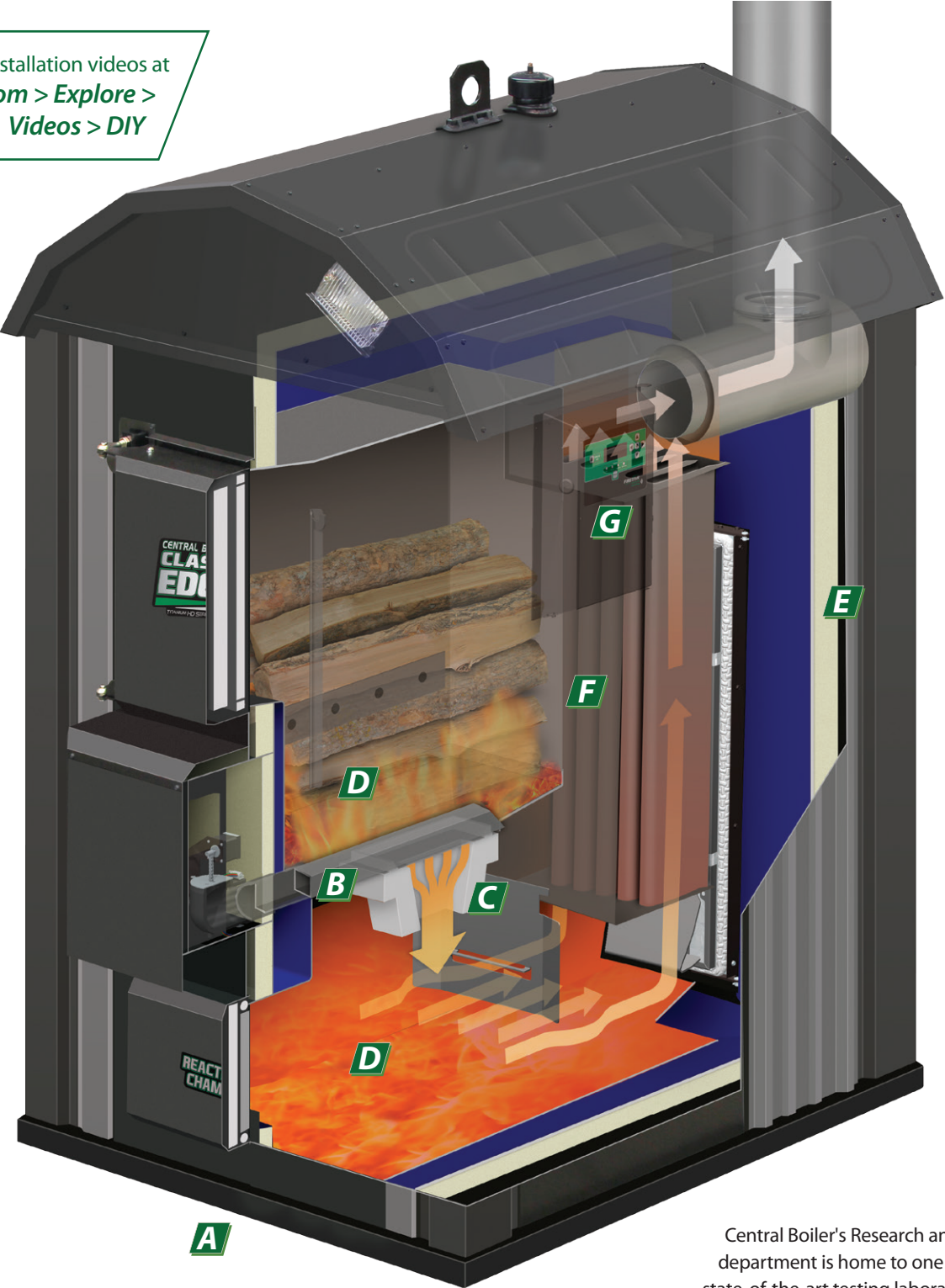
Final combustion takes place as these gases move downward through the **Fusion Combustor** to the **Reaction Chamber** where extremely high temperatures aid in complete combustion. This entire process results in high efficiency and extremely low emissions.

E Burn Less Wood

A hallmark of Central Boiler furnaces for over 30 years, **spray-on urethane** is the **ultimate airtight, waterproof** insulation that prevents condensation and locks the heat in to reduce wood usage, even at temperatures of -35°F or colder. It provides 2-3 times the effective **R-value** of conventional fiberglass batt insulation. Fiberglass batt insulation also settles and compresses over time.



Watch the Urethane Foam Insulation video
CentralBoiler.com > [Explore](#) > [Videos](#)



LONGER BURN TIMES*

UP TO
50%
LESS
WOOD

Less
• Cutting
• Splitting
• Loading
• Expense
• Work
More
• Free Time
• Money

*Compared to traditional and some other methods of wood heating.

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 MOST ADVANCED FURNACE

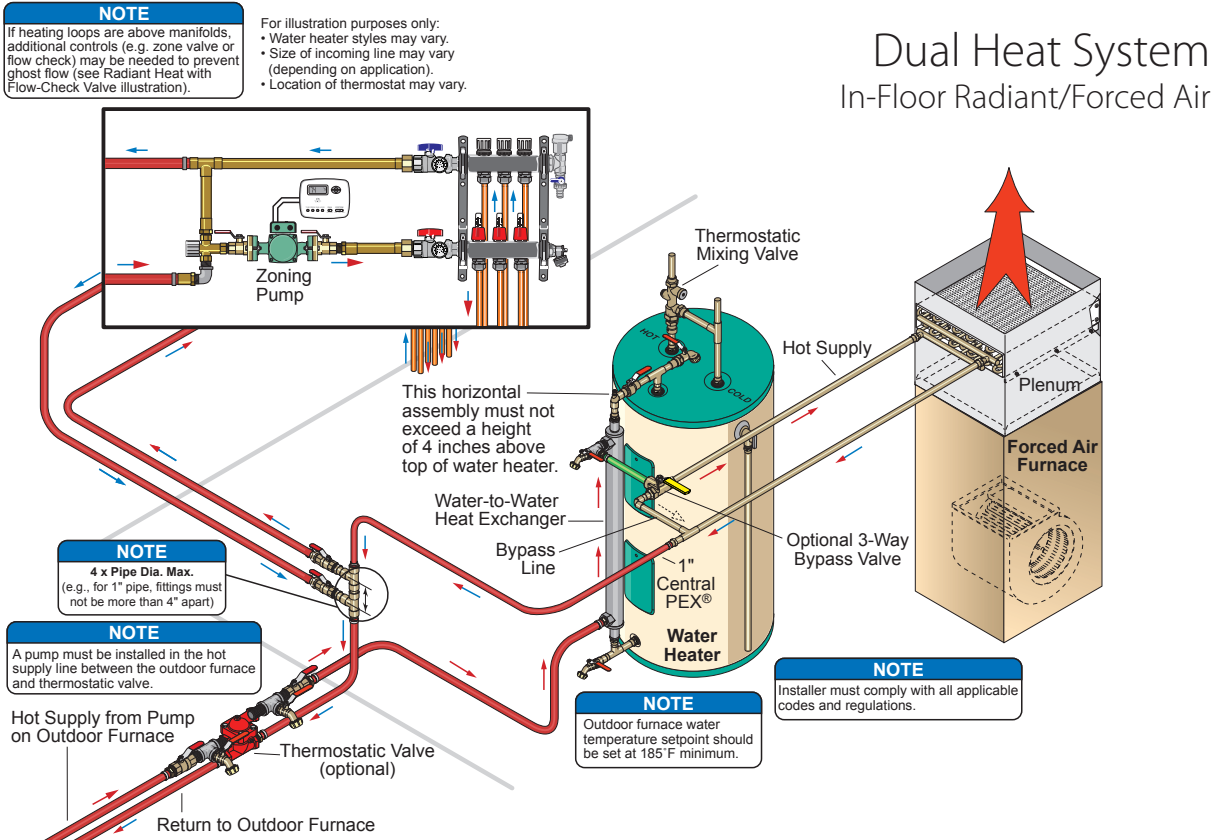
Standard on all Classic Edge Titanium HD models, the FireStar™ combustion controller monitors all functions of the furnace and optimizes the gasification process automatically. Working much like a car's engine control unit (ECU), the FireStar optimizes furnace performance by using sensors to decide how 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.

Comparing Insulation		
	Urethane	Fiberglass Batt
Waterproof	✓	-
Airtight	✓	-
Effectively covers all surfaces	✓	-
Maintains R value	✓	-
Higher R value	✓	-
Doesn't compress	✓	-

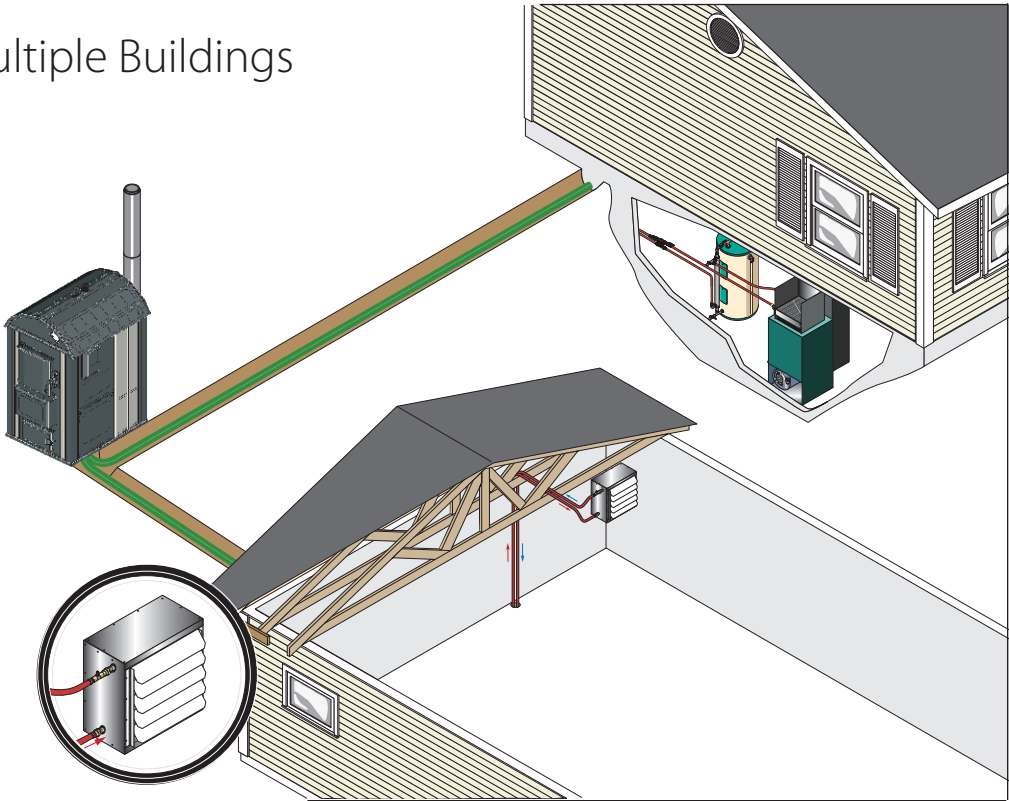
Central Boiler's Research and Development department is home to one of the most complete state-of-the-art testing laboratories in the industry. Since 1984, its goal has been to develop, engineer, test and refine a wide range of quality heating products to ensure Central Boiler quality, performance and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



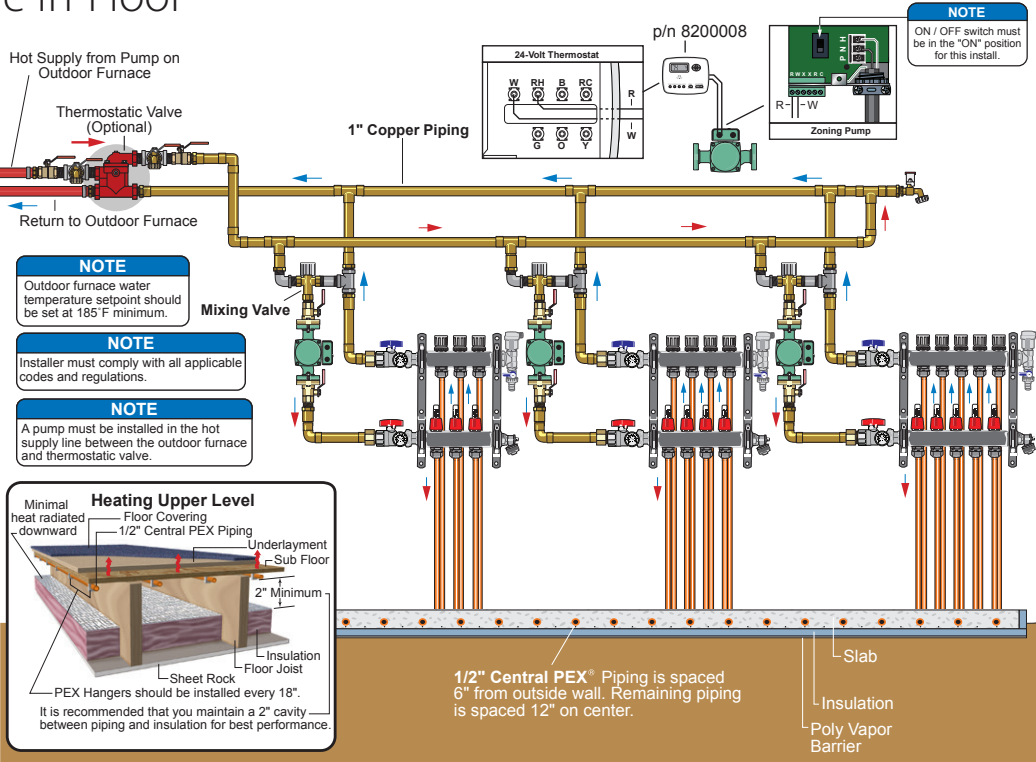
Sample Applications



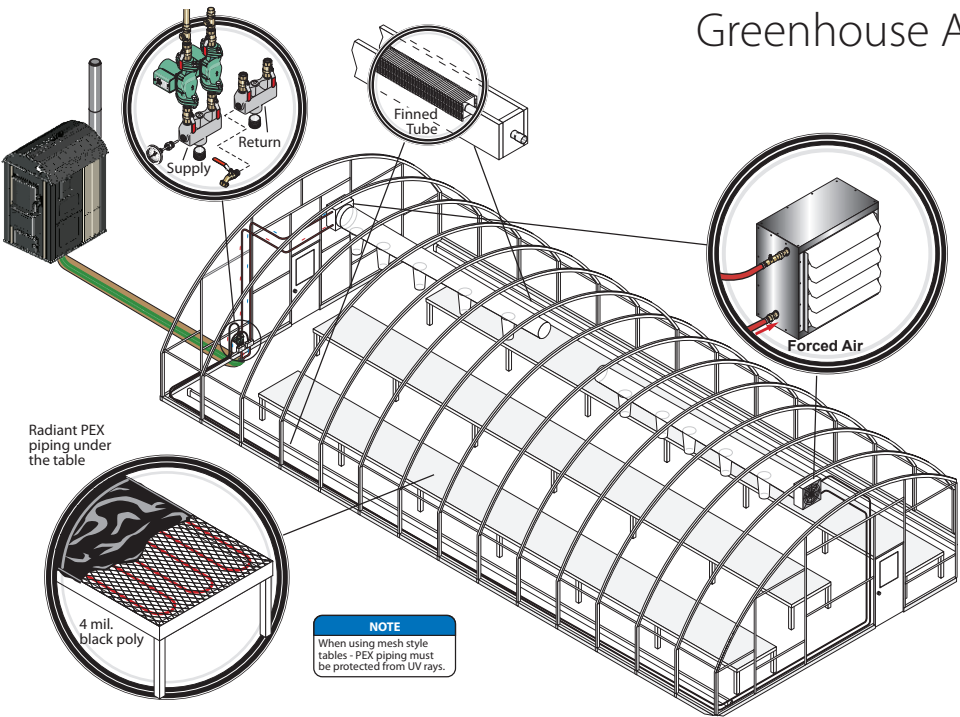
Heating Multiple Buildings



Multi-Zone In-Floor



Greenhouse Applications



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.



IN A HURRY? Some ThermoPEX can be UPS shipped - see dealer for details.



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

Meet owners of Central Boiler furnaces.

“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.”

- Dwayne, 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



- Mike, MI

“Everything is outside so it's a lot cleaner and it's a lot better heat, a more consistent heat. With how little wood it burns, it's a lot less work.”

- Al, MN



“We heat a 1720 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, MI

“I 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 anyplace 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

Read, watch and hear more at CentralBoiler.com

Classic Edge Titanium HD Model Lineup



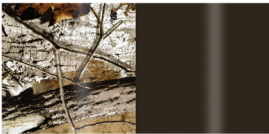
CLASSIC EDGE 350
TITANIUM HD SERIES

U.S. EPA Certified
Firebox Volume - 10 cubic ft
Firebox Dimensions - 28"L x 29"H x 21"W
Door - 16"W x 16"H
Ash Cleanout Door - 18"W x 9"H
Water Capacity - 150 gal.
Weight - 1,350 lbs
One set of 1-1/4" Supply and Return Ports*
Furnace Options and Accessories:
• LED Light Kits
• Pump Panel Extension Kit
*Can be configured for two pumps.

CLASSIC EDGE 550
TITANIUM HD SERIES
U.S. EPA Certified
Firebox Volume - 14 cubic ft
Firebox Dimensions - 33"L x 32"H x 23"W
Door - 18"W x 18"H
Ash Cleanout Door - 18"W x 9"H
Water Capacity - 205 gal.
Weight - 1,560 lbs
One set of 1-1/4" Supply and Return Ports*
Bypass Door and Alarm
Furnace Options and Accessories:
• LED Light Kits
• Pump Panel Extension Kit
*Can be configured for two pumps.

CLASSIC EDGE 750
TITANIUM HD SERIES
U.S. EPA Certified
Firebox Volume - 24 cubic ft
Firebox Dimensions - 37"L x 44"H x 26"W
Door - 21"W x 25"H
Ash Cleanout Door - 19"W x 11"H
Water Capacity - 330 gal.
Weight - 2,018 lbs
One set of 1-1/4" Supply and Return Ports
Two sets of 3/4" Supply and Return Ports
Bypass Door and Alarm
Furnace Options and Accessories:
• LED Light Kits

Four color combinations to complement your landscape



Realtree™ Camo and Bronze



Green and Bronze



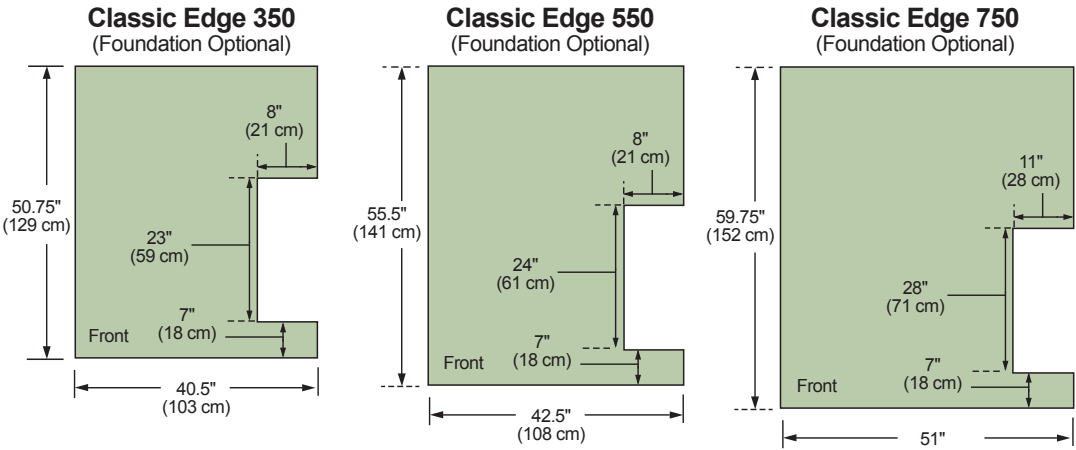
Charcoal and Bronze



Taupe and Bronze

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

Foundation Dimensions



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
Do not use any combustible materials for the foundation.

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Choose the right Central Boiler outdoor wood furnace for your application.

The Best Way to Size Your Furnace – Using Previous Heating History Including Water Heater					
Fuel Type	Fuel Oil	Propane	Natural Gas	Electricity	Wood†
Units	gallons	gallons	cubic feet, therms	kilowatts	cords
Units per Month					
Multiplier	x 1.18	x 0.78	x 0.0087/cu.ft x 0.87/therm	x 0.037	x 150
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 losses. 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).

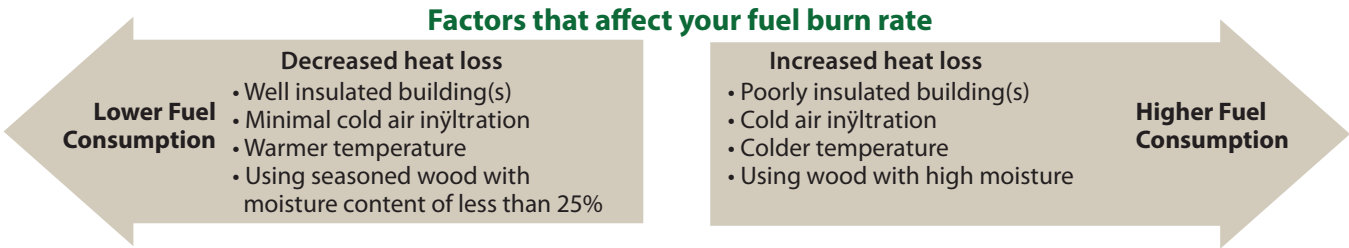
Total sq. ft.	
Multiplier	x 0.06
Total Sizing Value	

Total Sizing Value

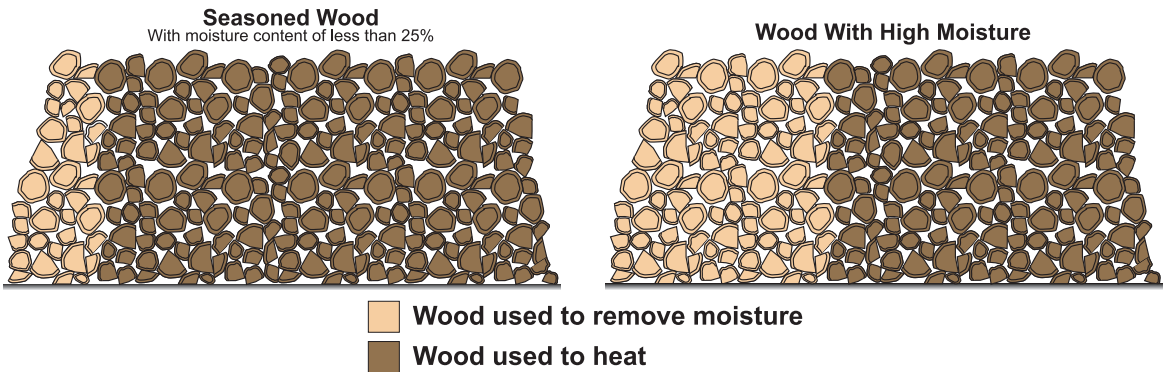
Compare your **Total Sizing Value** to the **Suggested Sizing Range** for the listed models.

Furnace	Suggested Sizing Range
Classic Edge 350	0-170
Classic Edge 550	0-395
Classic Edge 750	250-710

[†]Full cords of medium to high-quality wood.
^{††}Improperly insulated radiant slab heating can dramatically affect sizing requirements and heat load.
Be sure to consult your dealer when sizing. Previous heating efficiencies and heat loss need to be considered when sizing a furnace. This is only a guideline.
This sizing worksheet calculation estimates the existing fossil fuel (heating oil, propane, natural gas) heating equipment performing at 75% efficiency.



BURN LESS WOOD WITH SEASONED WOOD
Btu's Lost when Burning High Moisture Content Wood



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**.

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

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Printed in the United States 3/18

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.

p/n 9000609 - REV. A



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

Company Name: MMT Heating & Cooling

Company Address: 5501 Miller Trunk Hwy, Duluth, MN 55811

Phone Number: 218-729-1585