

Proven performance, reliability & savings



Efficient outdoor
wood furnaces

Lower heat bills

Affordable,
renewable fuel

20 years of reliability
& safety built right in

WOOD
MASTER[®]

The WoodMaster Advantage

Now is the best time to switch your home heat to a WoodMaster outdoor wood furnace. You'll reduce your family's energy costs, maximize efficiency and rely less on traditional fuels.

WoodMaster furnace owners get more usable heat from more affordable, cleaner sources. Each WoodMaster wood furnace is specifically engineered to efficiently heat your entire home or other spaces. You save money every time your WoodMaster kicks in. You also stay insulated from fluctuating fuel oil, natural gas and other prices. And WoodMaster dealers have no-hassle financing available.

Freestanding, easy-to-operate WoodMaster furnaces work with most existing heat systems, including hot water, forced air, hydronic heat, radiant baseboard, existing water-to-water and in-floor. A WoodMaster furnace serves as a primary heat source or in conjunction with existing systems to warm homes of all sizes, garages, workshops, pools, whirlpools, spa areas and other spaces, plus hot water systems.

Your WoodMaster team will help you find a furnace to save time, money and natural resources.





Research & Development

Proven performance, reliability and savings

Research & Development has been the foundation of WoodMaster since we built our very first furnace in 1989. As the company expanded, R & D expanded. As the market changed, R & D stayed ahead of industry developments and consumer demands. Most recently, WoodMaster added 4,000 square feet and unified R & D under one roof, accommodating prototype testing, full emission and delivered efficiency testing, a large fabrication shop and office space. We can now complete mechanical and electrical design, fabrication, insulating, plumbing, wiring, test firing and emissions testing in one location. Our R & D also now collaborates with European companies on emerging clean energy technologies and products.



CEO Chuck Gagner with a Flex Fuel furnace: our latest R & D project.

How a WoodMaster furnace brings the heat to you

How it works

Each WoodMaster furnace is installed outdoors, from 25 - 400 feet from the home or structure(s) that it will heat. A core fire box is surrounded by a water jacket. The fire warms water to its optimal heating temperature, maintained by automatic controls. The warm water moves through insulated underground piping into the home's heat exchangers and heating systems. Inside, you control the temperature with your thermostat.

The WoodMaster furnace also:

- Produces very little ash for reduced cleanup work
- Produces virtually no creosote, a major cause of chimney fires
- Helps decrease U.S. dependence on imported oil
- Provides carbon-neutral heat, which doesn't contribute to increased greenhouse gases

Incomparable safety

WoodMaster furnaces operate so no fuels enter the house, which eliminates smoke and soot, fire hazards, and reduces the risk of dangerous carbon monoxide buildup.



Insulated underground tubing

Dealer support advantage

Our dealers will help you find the right WoodMaster model for your heating requirements, balancing WoodMaster's capabilities with your needs. All WoodMaster dealers carry a full line of parts and accessories and provide attentive, expert service at installation and throughout the life of each furnace—all to fit your lifestyle!

Lower your heating costs for good

How low can your home heating costs go?

Heat your whole home for far less money than fuel oil, propane, natural gas and even off-peak electric rates with a WoodMaster outdoor wood furnace. You also keep control of your heating costs in your hands—and savings in your pocket.

Zero out your fuel costs

WoodMaster furnace owners who have scrap wood sources or cut their own wood can basically eliminate their “fuel” costs. All owners dramatically cut their heating costs.

Calculate your savings

This chart helps you compare the costs of various heating sources, based on 100,000,000 Btu, which is an average rating to heat a 2,000 square foot home.

Fuel type	Usage	Local cost per unit	Cost to heat 2,000 sq. ft.
Fuel Oil	830 Gallons	X	=
Propane	1187 Gallons	X	=
Natural Gas	1087 Therms	X	=
Electric Off-Peak	29,303 kwh	X	=
Seasoned Pine*	11.66 Cords	X	=
Seasoned Red Oak*	6.94 Cords	X	=

*20% moisture

Source: Northwest Manufacturing, Inc. Assumptions include normal end-use efficiencies, generally-accepted efficiency levels, fuel costs and output. Consumption is based on average fuel use for a 2,000 square foot home.

For more in-depth information on cost, visit woodmaster.com

Did you know?

Burning wood produces no net increase in greenhouse gas emissions while reducing U.S. dependency on foreign oil supplies. Harvesting firewood helps manage forests, allowing new growth. Commercial users may deduct 100 percent of the equipment cost in the first year of ownership.

Calculate your savings online

Use our handy online calculator to see what you can save with a WoodMaster wood furnace. Simply enter a few details for your current fuel source, plus other options in your area, and our calculator shows your savings. Compare wood to fuel oil, propane, natural gas and

electric off-peak rates. You'll get the direct comparisons in actual dollars to heat an average-sized home for one heating season. Visit woodmaster.com to see what you can save.

3300



Brown

Superior products and so

3300 specifications

The WoodMaster 3300 furnace, plumbed with a single heating loop, is an economical choice when there is no need for multiple hook-ups. The 3300 furnace comfortably heats an average-sized home and hot water.

- ▶ Fire Box. 34" x 32"
- ▶ Door Size 20" x 21"
- ▶ Thickness 1/4" Fire Drum & Water Jacket
- ▶ Draft Control Fan
- ▶ Overall Size. 5'2" x 4'9" x 7'10"
- ▶ Total Water Capacity 105 gallons
- ▶ Heating Area 2,000 sq. ft.
- ▶ Heating Rate. 75,000 btu/hr on a 12 hr burn
- ▶ Limited Warranty 10 years
- ▶ Shipping Weight 1,421 lbs.

4400



Charcoal

4400 specifications

The WoodMaster 4400 heavy duty furnace is double-plumbed to heat larger homes or home-garage combinations. It offers a larger firebox, larger fuel door and higher Btu output.

- ▶ Fire Box. 38" x 44"
- ▶ Door Size 24" x 24"
- ▶ Thickness 1/4" Fire Drum & Water Jacket
- ▶ Draft Control Fan
- ▶ Overall Size. 5'2"x 5'9" x 8'1"
- ▶ Total Water Capacity 117 gallons
- ▶ Heating Area 5,000 sq. ft.
- ▶ Heating Rate. 125,000 btu/hr on a 12 hr burn
- ▶ Limited Warranty 10 years
- ▶ Shipping Weight 1,809 lbs.

Blend right in

WoodMaster furnaces are available in four standard colors (as shown). Contact your dealer about custom colors.



Brown



Charcoal

Service from WoodMaster

5500

5500 specifications

The WoodMaster 5500 super duty furnace is double-plumbed, and an ideal choice to heat areas up to 10,000 square feet such as a home-large shop combination, midsize commercial building or agricultural operation.

- ▶ Fire Box. 50" x 56"
- ▶ Door Size 27" x 27"
- ▶ Thickness 1/4" Fire Drum & Water Jacket
- ▶ Draft Control Fan
- ▶ Overall Size. 6' x 6'10" x 8'6"
- ▶ Total Water Capacity 194 gallons
- ▶ Heating Area 10,000 sq. ft.
- ▶ Heating Rate. 360,000 btu/hr on a 12 hr burn
- ▶ Limited Warranty 10 years
- ▶ Shipping Weight 2,835 lbs.



Green

6500

6500 specifications

The WoodMaster 6500 super duty furnace is plumbed with four heating loops and has double doors for large loads of wood. It's built for commercial buildings with big fuel appetites and/or to heat multiple buildings. This model will heat any combination of a home, garage or workshop, pool, spa, greenhouse, wood kiln or other structures.

- ▶ Fire Box. 60" x 58"
- ▶ Door Size 44" x 31"
- ▶ Thickness 1/4" Fire Drum & Water Jacket
- ▶ Draft Control Fan
- ▶ Overall Size. 7'4" x 8'10" x 9'3"
- ▶ Total Water Capacity 487 gallons
- ▶ Heating Area 20,000 sq. ft.
- ▶ Heating Rate. 650,000 btu/hr on a 12 hr burn
- ▶ Limited Warranty 10 years
- ▶ Shipping Weight 3,742 lbs.



Black

Heating area may vary depending on construction, insulation and climate.



Green



Black

Efficient engineering saves you money

WoodMaster's exclusive design incorporates key features that maximize Btu delivered to your home. This gives you more usable heat while minimizing cutting and filling time—all with consistently comfortable home heating.

- A** Fan-induced draft allows faster water temperature recovery
- B** Smart heat baffle reduces exhaust escaping out fuel door and minimizes heat loss through chimney, plus reduces stack temperatures up to 53 percent in the closed position
- C** Exterior light for ease at night
- D** Thick R38 fiberglass insulation provides non-flammable, secure water jacket wrap. Insulated shell keeps heat in and maintains cool-to-the-touch exterior
- E** Free-standing design eliminates need for a concrete slab and allows year-round installation
- F** Large front doors for easier loading and cleaning, plus doors stay cool to the touch
Large rear door provides easy access for plumbing, multiple hookups and maintenance
- G** Ash auger (optional) eliminates shoveling ash and hot coals from the furnace, plus optimizes performance with an air scoop built into the grate that diverts air under the fire

Round is in

WoodMaster's innovative round chamber design provides optimum internal air movement and water circulation for even heat transfer and more efficient burn. This design also offers:

- Forty percent fewer seams than a square box, for less chance of cracking or leaking and minimal pitting
- Over-fire air injection improves internal air movement, efficiency and helps burn off secondary gases.
- No dead spots, so creosote doesn't build up
- A water jacket surrounds the core fire box
- The fire warms water to its optimal heating temperature, maintained by automatic controls



Only WoodMaster has ETC



The digital accuracy and energy saving features of the Electronic Temperature Control system were firsts in the industry and come standard with all of our furnaces. An important energy-saving feature of the ETC is the low temperature shut off. This precise controller provides one convenient center for operating the temperature settings, blower, reset, water level indicator and night light, all with an easy-to-read digital display.



F

A

G

E

With HeatLink[®] go barefoot all year

Our HeatLink in-floor hydronic heat system delivers even heat from special tubing placed underneath floors in homes and businesses. HeatLink pumps warm water through the tubing to provide consistent warmth on tile, vinyl, wood, stone and other floor coverings.



Complementary comfort

HeatLink systems are often combined with PureLink™, a potable water distribution system that delivers consistently strong water pressure for cooking, bathing and laundry. It provides quiet (no water hammer noise) flow in any climate with equalized pressure without hot or cold surges.

HeatLink's integrated StatLink temperature control system allows a thermostat in every room of the house, so owners may electronically set back the temperature in unoccupied rooms. StatLink's zone control temperature control may be one room, a single level or other designations. The StatLink control system is the "brain" of all various room thermostats to maximize efficiency and comfort.

Comfortable, efficient savings

The #1 reason consumers choose HeatLink is to maintain floor surface temperatures at no higher than 88 degrees F (31 degrees C), for year-round comfort.

HeatLink provides lower energy and operating costs with enhanced comfort and control. System projected energy use to heat 2,000 square feet:

- Forced air: 99,000 Btu h (29kW)
- Infrared: 66,000 Btu h (19 kW)
- HeatLink: 33,000 Btu h (10 kW)

HeatLink is powered by a boiler or a special water heater—no furnace is needed, so there are no hot or cold spots and no noisy fans or radiator expansion noise. HeatLink delivers heat where it's needed, with little waste. Control determines the system's efficiency. In your home, HeatLink allows flexible furniture arrangements because there are no grills or radiators to dodge.

Find a trained HeatLink installation contractor at woodmaster.com



How it works

HeatLink PEX tubing is laid on the sub-floor and covered with a flowable lightweight concrete. It can also be installed in the lower level concrete floor or underneath the joist space, which is called a 'dry' or 'staple-up' installation.



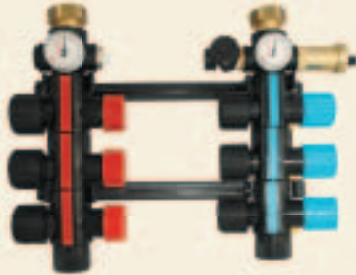
Parts for all

WoodMaster dealers carry complete lines of quality, affordable parts and accessories for most furnace brands, including new and existing heat systems, plus parts and accessories for HeatLink in-floor heat and complementary home comfort systems.

Our selection of hundreds of parts and accessories includes:

HeatLink Manifold

The HeatLink TwistSeal Manifold is a twist-lock, o-ring sealed manifold. It gives installers the option to add or remove individual modules or loops as needed. Supply modules provide on/off manual control to isolate individual loops. Return modules permit flow balancing and control to establish desired rate of flow for each individual loop. StatLink controls allow endless system control options. Optional actuators control individual or multiple loops with single or multiple thermostats. Deluxe Manifold kits include water temp gauges, hose bib for filling systems, silicone lubricant, manual and auto air vents, connection gaskets and mounting brackets. These manifolds are simple to assemble and hook up, and offer a clean, professional look.



Thermoflex-Time Saver

Corrugated polyethylene plastic is strong, lightweight and flexible. Specially designed to respond to the most intensive environments and climates, the PEX pipes are insulated with almost 5 inches of high-quality, closed cell polyethylene foam that provides thermal performance and protects against water migration.



Water to Air Exchanger

Designed to perform at high-fluid velocities with low-pressure drops. Made entirely of high-quality, specially treated stainless steel to ensure superior corrosion resistance and longer product life. Induced self-cleansing feature gives you one less thing to worry about.



Ash Grate System

WoodMaster has developed an auger system for wood furnaces that makes clean out easier for owners. Augers and grates can also be easily removed for simple year-end maintenance.



Fill/Filter Valve Kit

Designed for installation in the house on the return line to the stove. This kit makes it simple and easy to fill your WoodMaster any time of year.



Plate Heat Exchanger

Compact, high-output capacity that is ideal for water heaters or boiler hookup. Plate heat exchangers are used in both hot water boiler and steam applications.



Pool Kit

Everything needed to hook up your heat exchanger to your pool or hot tub.



Taco Pump

This pump continuously circulates heated water within the WoodMaster wood furnace system to provide consistent heat in your home.



We are WoodMaster

WoodMaster furnaces are manufactured and distributed by Northwest Manufacturing of Red Lake Falls, Minnesota. Since 1989, the company has built industry-leading outdoor furnaces, continually finding innovative uses of natural energy and alternative fuel sources for smart savings from good natured dealers.

Our dealers will help you find the right WoodMaster furnace for your heating requirements, balancing WoodMaster's capabilities with your needs. All dealers are certified and participate in our required continuing education program to maintain our industry leadership.

Dealers also carry a full line of parts and accessories and provide attentive, expert service at installation and throughout the life of each furnace. Find a dealer near you at woodmaster.com

Technical support

WoodMaster dealers work directly with expert company technicians to design the best system for each customer. We offer schematics, CAD drawings and other assistance. Our complete system design technical support helps complete larger, complex projects more smoothly, quickly and efficiently.

We're part of the solution

WoodMaster's leadership team collaborates with other furnace manufacturers and governing entities in many states to establish and adhere to emissions standards. Our leaders are helping set the standards for clean, efficient furnaces.

Northwest Manufacturing also offers HeatLink in-floor radiant heat, StatLink temperature control, PureLink water distribution, SnowMelt and other systems.

For more information and to calculate your cost savings, visit us at woodmaster.com

