

WOOD  
MASTER®

PRODUCT CATALOG



WOODMASTER  
**CleanFire**

# Ignite the revolution.

**Patent-pending design changes heating from the inside out.**

**Burns hotter. Cleans easier. Lasts longer.**

WoodMaster's CleanFire uses a dry fire chamber to provide hotter, more efficient heat that requires minimal effort to maintain.

- No ceramics
- No damaging corrosion
- No creosote build-up

The primary boiler is a true low pressure ASME H stamped boiler. It keeps oxygen out of the system, preventing corrosion to the water vessel. ASME certification ensures the use of the highest quality materials and workmanship resulting in a boiler life expectancy of 40 or 50 years.

All of it is run by the exclusive WoodMaster control board, which burns at the optimum rate to meet the heat load. No batch burning or quick cycling. The board uses more than 300 settings to maintain this furnace modulation, increasing efficiency.



# CleanFire

## SPECIFICATIONS

BTU/HR .....88,750 BTU/HR output on an 8 hour burn  
Max BTU..... 102,400  
Efficiency .. 67.26% weighted, 73% efficiency on high burn  
Emissions..... 0.065 LBS/MMBTU

Water Capacity ..... 55 gallons of water  
Fire chamber dimensions ..... 28"L x 30"W (approx.)  
Door Size ..... 16.5"W x 19"H (approx.)  
Dry weight ..... 2,885 lbs

## FEATURES

- ASME certified pressurized vessel
- Dry fire chamber
- Minimal maintenance
- Non-cycling, modulates for heat load

## FUEL DOOR

- Large fuel door for ease of filling.
- Spring loaded door latch maintains pressure and ensures a tight seal.
- Two part door, very insulated. Greatly reduces heat transfer to the outside.

## DRY FIRE CHAMBER

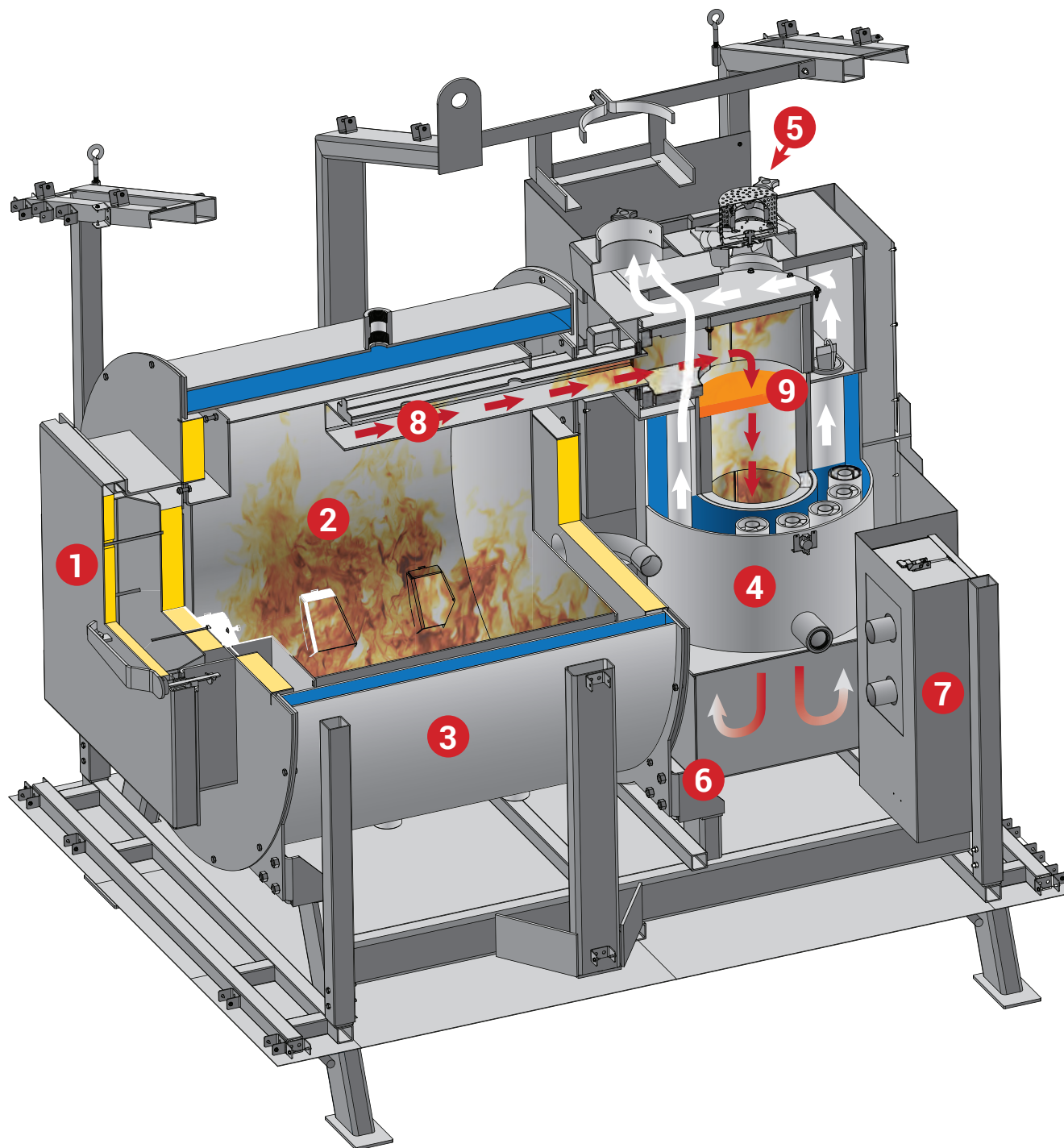
- Patent pending design
- A dry fire chamber means no creosote build-up, no ash corrosion, and no need for ceramics.
- Pre-heated combustion air.
- Made from 8 gauge steel.
- Very long lasting due to no creosote.
- Extremely easy maintenance, can be cleaned in a few minutes

## COMBUSTION PROCESS

- Primary and secondary air ducts equipped with 2 dampers to allow for optimal burn.
- The remaining gasses leaving the combustion chamber are mixed with oxygen in the injection tube ensuring a complete combustion through the catalyst.
- The catalyst temperatures are controlled to ensure clean combustion and longevity.
- The heat is recovered in the heat exchanger, then exits the chimney.
- The stack averages an optimal temperature to remain efficient, yet not condense. (approx. 240 degrees)
- The CleanFire is equipped with a lambda sensor which monitors the oxygen levels and adjusts the boiler to maintain the optimal burn.







# WOODMASTER CleanFire

1. Fire Door
2. Dry Fire Chamber
3. ASME-certified stage 1 boiler
4. ASME-certified stage 2 boiler
5. Negative Pressure Suction Fan
6. Isolators
7. Dampers - primary and secondary
8. Oxygen Injection Tube
9. Catalyst location

C  US LISTED

  
SETTING THE STANDARD

# CleanFire



## WOODMASTER CONTROL

- The control is designed to read water temperature in and out, and adjust the boiler automatically to satisfy the heat load.
- It adjusts the fan and primary and secondary air dampers based on heat load and water temp needed.
- This is not a cycling boiler; it modulates for the heat load needed.
- Ability to connect to wifi, or basic internet, for in home monitoring or it can link to your smart phone.
- Built in protection to keep the catalyst from overheating.
- The control display- displays water temp, catalyst temp, O2 level, boiler pressure (max. 30 psi), lighting feature, allows for a brief history of alarm details

## MAINTENANCE

- Very minimal maintenance.
- The heat exchanger tubes should only need to be cleaned twice a year.
- The ash in the bottom chamber of the heat exchanger needs to be cleaned as needed, again, very minimal.

## MORE INFORMATION

- Can add autofill to the boiler so you never have to worry about low water.
- Two pressure release valves

- Separate blow down valves for each vessel.
- Pump conveniently located in the house.
- Equipped with 1 ¼ " plumbing for single or double hook-ups.
- Equipped with four chimney tie downs. Guy-wire ready for extended chimney.
- Programmable LED lighting

## SAFETY FEATURES

- Low water cutoff
- High limit control
- Pressure relief valve

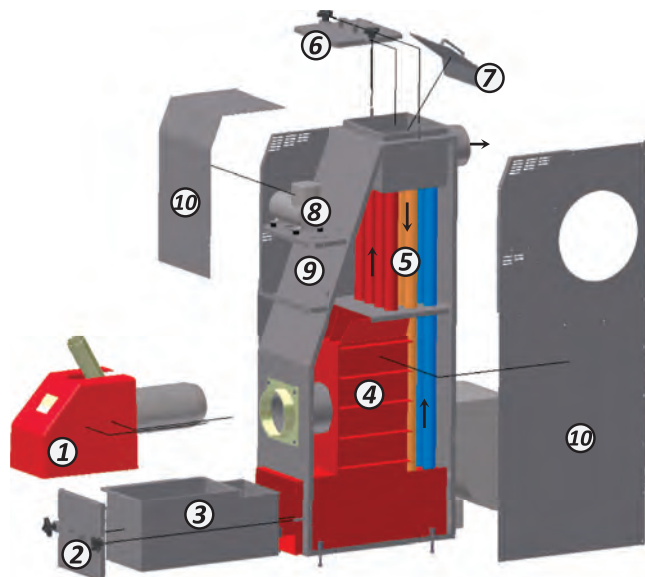


### FORCE 20 DIMENSIONS

A. 55.1" B. 22.4" C. 53.1" D. 12.4" E. 5" F. 13.2"

### FORCE 30 DIMENSIONS

A. 58.3" B. 30.5" C. 61.2" D. 12.4" E. 6" F. 18"



# Force Series

The dimensions of the Force 20 and Force 30 make them very easy to install and allow the furnace to be installed in smaller rooms and tighter spaces. Make sure to leave enough room to properly clean the furnace. The chimney pipe is located on the back of the furnace. The electrical installation is easily made via existing cables. Just plug it in. Servicing the furnace is easy to make since all connections and components are easily accessible from the front of the furnace.

## FEATURES

1. High Efficiency Renovator burner with automatic ignition. Burns less fuel for greater savings.
2. Easy access ash door in front for quick and easy ash maintenance.
3. Large ash box for longer intervals between cleaning.
4. High efficiency louvered firebox transfers the maximum amount of heat to the air chamber for greater efficiency.
5. Triple pass flue tube insures the heat stays in your home and not out the stack.
6. Easy access flue tube clean out door for simpler maintenance.
7. Flue tube diverting plate assures proper flow of the triple pass flue tubes.
8. Air supply to auto clean the Renovator, assures high efficiency burn & minimizes maintenance. (20 kW only)
9. Central electrical location for ease of wiring.
10. High quality attractive outer shell.

## SPECIFICATIONS

Flue Pipe Diameter	5" F20/6" F30
Connection Hole (Burner)	6" Diameter (approx.)
Power Connection	120v
Maximum Output BTU	68,000 F20 / 102,000 F30
Ash Box Volume Cubic Feet	1 F20 / 2 F30
Weight (approx.)	220 lbs. F20 / 320 lbs. F30
Fan Capacity	1100 - 1638 CFM
Circulating Fan	Multi Speed

# Mini Boiler

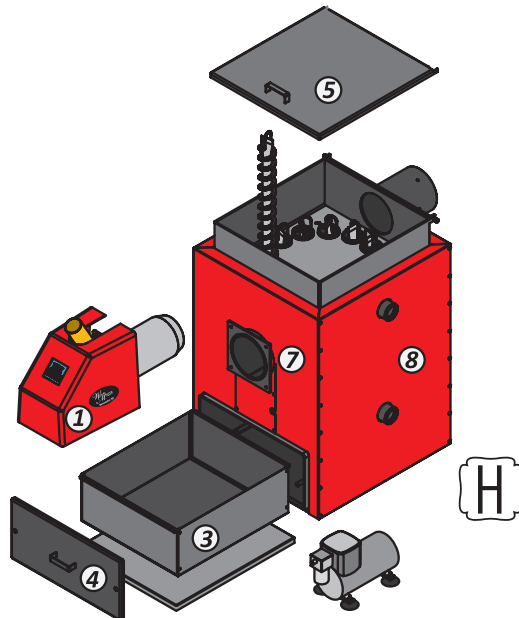
The Mini Boiler is an indoor ASME-certified wood pellet boiler. The compact design utilizes thermal storage to maximize efficiency.

## FEATURES

1. High Efficiency Renovator 30kW (102,000 BTU) burner with automatic ignition.  
Fully automatic PLC.
2. ASME certified pressurized vessel.
3. Large ash box for longer intervals between cleaning.
4. Easy access ash door in front for quick and easy ash maintenance.
5. Easy access flue tube clean out door for simpler maintenance.
6. Air supply to auto clean the Renovator, assures high efficiency burn & minimizes maintenance.
7. Central electrical location for ease of wiring.
8. High quality attractive outer shell.
9. Compact: 38"H, 26.5"W, 33.5"D

## MINI BOILER DIMENSIONS

D1 .....	33.5"	W .....	26.5"
D2 .....	49.75"	H .....	38-40"
(All dimensions are approx.)			



## SPECIFICATIONS

Flue Pipe .....	6" Diameter
Connection Hole (Burner) .....	6" Diameter (approx.)
Power Connection .....	120v
Maximum Output .....	102,000 BTU
Ash Box Volume .....	1.74 Cubic Foot (approx)
Weight .....	785 Pounds (approx.)
Boiler Water Capacity .....	9.5 Gallons



# Ultra Series

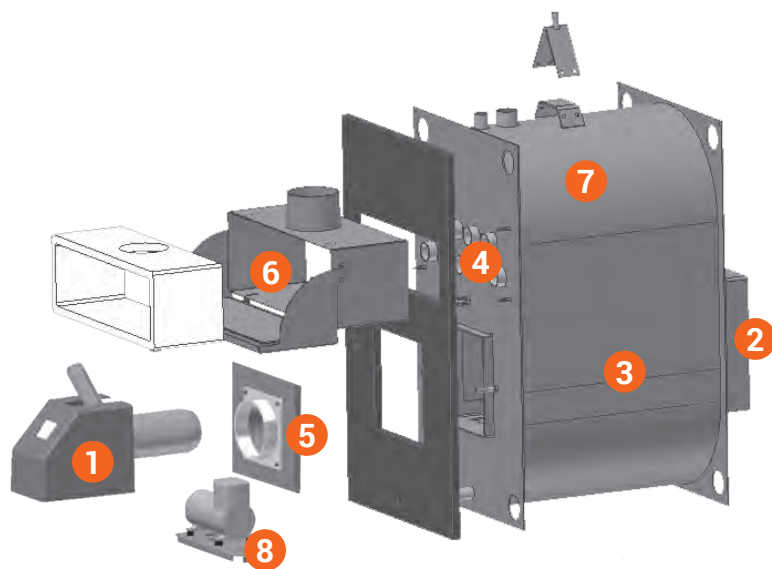
The WoodMaster Ultra Series pellet furnace is powered by the Renovator 20kW or 30kW. Its fully automatic P.L.C. (Programmable Logic Control) allows ease of operation and the burn back protection keeps it operating safely. With its compact design, the Ultra Series furnace is self lighting, self cleaning and has a large ash storage. It is safety tested to meet or exceed quality and safety standards and may qualify for rebates/programs.

## FEATURES

1. High Efficiency Renovator burner with automatic ignition
2. Easy access ash door in front for quick and easy ash maintenance
3. Large ash box for longer intervals between cleaning
4. Efficient heat transfer tubes
5. Rear access door that the burner mounts to
6. Easy access flue tube clean out door for simple maintenance
7. Water jacket with 60 gallon capacity
8. Air supply to auto clean the Renovator & minimize maintenance

## ULTRA SERIES

3.75' x 4.33' x 5.8'



## SPECIFICATIONS

Fire Box.....	23.5" x 24"
Door Size .....	16" x 16"
Thickness.....	.3/16" Fire Drum & Water Jacket
Draft Control .....	Fan
Overall Size.....	3.75' x 4.33' x 5.8'
Water Capacity .....	.60 gallons
Heating Capacity 20 kW Burner.....	68,000 Btu
Heating Capacity 30 kW Burner.....	102,000 Btu



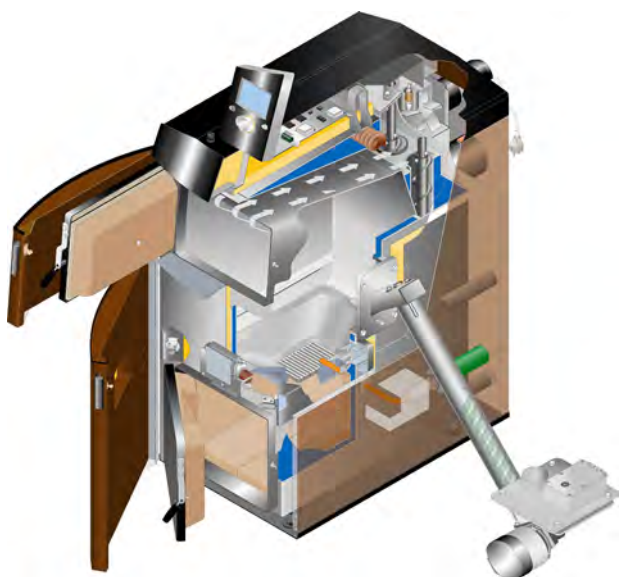


### **FLEX FUEL 30KW**

24" W x 48" L x 54" H

### **FLEX FUEL 60KW**

32.5" W x 60" L x 60" H



# Flex Fuel

Heat your commercial application for far less money than fuel oil, propane, natural gas and even off-peak electric rates with WoodMaster's Flex Fuel Series. Choose the least expensive fuel — cordwood and wood pellets — and burn less of it, guaranteed.

## FEATURES

1. Fuel Options—cordwood and wood pellets —help you control savings and provides ease of operation.
2. Lambda sensor analyzes levels in the stack and sends it to the eco manager, saving you more with higher efficiency and fewer emissions.
3. Variable speed fan adjusts the air intake to reach the optimal burn for efficiency, emissions and prolonged product life.
4. Eco manager pulls the system together—from the lambda sensor to the draft inducer—enabling user-friendly maintenance.
5. Optional self-ignition is programmable by time or water temperature.
6. Self-cleaning heat exchangers assist in maintaining money-saving efficiency levels—with less maintenance.
7. Wood gasification technology provides excellent combustion at high temperatures for better efficiency and fewer emissions.
8. Large ash chamber makes ash cleanup quick and easy.
9. Smoke extraction directs remaining smoke to the flue when you open the loading doors.
10. Easily converts from one fuel to another once installed. This gives you more options with less time.
11. Solar capable which is another option to save even more money and use less fuel.

## SPECIFICATIONS

### **FLEX FUEL 30KW**

Fire box .....	22.5" L x 14" W x 25" H	Capacity .....	24 gallons
Fuel door size.....	13.5" W x 9.5" H reversible with built-in smoke bypass	Btu.....	100,000
Heavy duty mild steel construction		Warranty.....	10 years
Draft.....	Fan-induced down draft	Shipping weight.....	1400 lbs.
		Fuel .....	Cordwood, wood pellets

### **FLEX FUEL 60KW**

Fire box .....	26.5" L x 22" W x 28" H	Capacity .....	50 gallons
Fuel door size.....	21.5" W x 10" H reversible with built-in smoke bypass	Btu.....	200,000
Heavy duty mild steel construction		Warranty.....	10 years
Draft.....	Fan-induced down draft	Shipping weight.....	1800 lbs.
		Fuel .....	Cordwood, wood pellets



**4400 SERIES** DIMENSIONS  
5'2" x 5'9" x 8'1"

**4400 Series**

Fire Box .....	23.5" x 24"
Door Size .....	16" x 16"
Thickness .....	3/16" Fire Drum & Water Jacket
Draft Control .....	Fan
Overall Size .....	3.75' x 4.33' x 5.8'
Water Capacity .....	60 gallons
Heating Capacity 20 kW Burner .....	68,000 Btu
Heating Capacity 30 kW Burner .....	102,000 Btu

# Traditional Series

Heat your commercial application for far less money than fuel oil, propane, natural gas and even off-peak electric rates. Owners who have scrap wood sources or cut their own basically eliminate their "fuel" costs. Energy savings allow all owners to dramatically lower their heat costs.

WoodMaster's five wood furnace models generate economical, natural, safe heat and are:

- Compatible with most existing and new heat systems, including hot water, forced air, hydronic heat, radiant baseboard, existing water-to-water and in-floor
- Built to heat commercial buildings, garages, workshops, and other spaces, plus hot water systems

## FEATURES

### SAFE

No fuels enter the house to limit smoke, soot, fire hazards and the risk of dangerous carbon monoxide buildup

### EFFICIENT

Designed to deliver maximum Btu for more usable heat with less wood cutting and furnace-filling time

### WOODMASTER EXCLUSIVES:

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
- No dead spots, so creosote doesn't build up

Digital Electronic Temperature Control (ETC) is one center for operating temperature settings, blower, reset, water level indicator and nightlight in an easy-to-read display.

## 3300

The WoodMaster 3300 wood 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 building and its hot water.



### 3300 SERIES DIMENSIONS

5'2" x 4'9" x 7'10"

## 3300 Series

Fire Box	34" x 32"
Door Size	20" x 21"
Thickness	1/4" fire drum & water jacket
Draft Control	Fan
Heating Area	2,000 sq.ft.
Total Water Capacity	105 gallons
Limited Lifetime Warranty	
Shipping Weight	1,421 lbs.

## 5500

The WoodMaster 5500 super duty wood furnace is double-plumbed and ideal for farms, providing heat for a barn and a large shop or midsize commercial building. Increased fuel capacity for higher heat output, plus a larger door (more than two feet by two feet) for easier loading makes this an efficient choice for agricultural applications.



### 5500 SERIES DIMENSIONS

6' x 6'10" x 8'6"

## 5500 Series

Fire Box	50" x 56"
Door Size	27" x 27"
Thickness	1/4" fire drum & water jacket
Draft Control	Fan
Heating Area	10,000 sq.ft.
Total Water Capacity	194 gallons
Limited Lifetime Warranty	
Shipping Weight	2,835 lbs.

## 6500

The WoodMaster 6500 super duty wood furnace is plumbed with four heating loops and has double doors for large loads of wood. It's built to heat commercial buildings or multiple buildings. This model will heat up to 20,000 square feet in any combination of office space, workshop, greenhouse, wood kiln or other structures.



### 6500 SERIES DIMENSIONS

7'4" x 8'10" x 9'3"

## 6500 Series

Fire Box	60" x 58"
Door Size	44" x 31"
Thickness	1/4" fire drum & water jacket
Draft Control	Fan
Heating Area	20,000 sq.ft.
Total Water Capacity	487 gallons
Limited Lifetime Warranty	
Shipping Weight	3,742 lbs.



# 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](http://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.





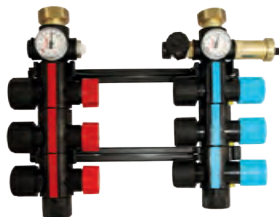
# Parts for all.

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

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.



Check out our  
online store:  
**HeatSupplies.com.**

## Setting the standard in commercial and residential biomass boilers and furnaces.

Our commercial and residential lines of boilers and furnaces are perfect for any building. Our residential product line is industry-leading in cordwood and wood pellet models.



**Proven Performance,  
Reliability, and Savings.**

*For more information visit* **WOODMASTER.COM** *or call* **800-932-3629.**



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