

A furnace that fits your lifestyle

WOOD  
MASTER®  
PLUS+



Natural Energy™ Furnaces

It's a very personal choice...



...to make a difference,

to reduce our family's energy costs,

to maximize efficiency

and rely less on traditional fuel...

...and it's **my** choice.

Your WoodMaster team will help you find a furnace that fits your lifestyle.





# Welcome to WoodMaster

## >>> Affordably convert wood pellets, small grains and corn into heat

The WoodMaster Plus uses wood pellets, small grains and/or corn to generate natural, efficient, economical, safe heat. These fuels are environmentally-friendly heat sources that can be more quickly replenished, compared to petroleum and other fossil fuels.

The simple, easy-to-operate WoodMaster Plus works with most existing heat systems for homes of all sizes, garages, workshops, pools, whirlpools, spa areas and other spaces, plus hot water systems.

## Control your heating costs

WoodMaster Plus users have cut their heating costs by half in one winter, and most owners say the unit pays for itself in three years. Owners also appreciate controlling their own heating costs.

The chart below 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 for one heating season.

### Cost savings comparison chart

Fuel Type	Usage	Local cost per unit	Cost to heat 2,000 sq. ft.
Corn	297 Bushels	X <input type="text"/>	= <input type="text"/>
Wood Pellet	7.85 Tons	X <input type="text"/>	= <input type="text"/>
Fuel Oil	830 Gallons	X <input type="text"/>	= <input type="text"/>
Propane	1187 Gallons	X <input type="text"/>	= <input type="text"/>
Natural Gas	1087 Therms	X <input type="text"/>	= <input type="text"/>
Electric Off-peak	29,303 kwh	X <input type="text"/>	= <input type="text"/>

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: [www.woodmasterplus.com](http://www.woodmasterplus.com)

## Superior products and service

Since 1989, Northwest Manufacturing, Inc., has been building industry-leading outdoor furnaces. We strive to find innovative uses of Natural Energy while creating furnaces that fit our customers' lifestyles.

You'll see we offer many options, including the WoodMaster Plus furnace, which is a superior choice to provide natural, affordable heat for residential and commercial facilities.

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

We look forward to working together.



# AFS 900 and AFS 1100

## >>> AFS 900 and 1100

The WoodMaster Plus AFS furnaces are designed to heat spaces of every size and configuration. Both the AFS 900 and AFS 1100 are built to heat multiple buildings, including a home, garage or workshop, pool, spa, greenhouse or commercial structure. The WoodMaster Plus AFS furnaces include the exclusive ETC for more convenient efficiency and exclusive control panels.

### All WoodMaster Plus furnaces feature:

#### Variety of fuel uses:

Corn, small grains, pellet fuels & other alternative fuels

#### Refueling system:

Automated timer, fed through a hopper

#### Temperature control:

Electronic Temperature Control (ETC system)

### Other uses and packages

## >>> Corn & grain drying

The WoodMaster Plus, with its high Btu output, can save farmers thousands of dollars by using a Desert Air dryer, giving them the ability to dry their own corn and grain in the fall.

## >>> Bin setup

Fuel storage bin options for the WoodMaster Plus AFS furnaces range from holding 60 to 340 bushels. This feature allows owners to re-fuel the furnace at their convenience, with bin capacity ranging from one month to an entire heating season's supply of fuel.



#### AFS 900 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
Limited Warranty .....	5 years
Shipping Weight .....	940 lbs.
Heating Capacity .....	100,000 Btu



#### AFS 1100 specifications

Fire Box .....	34" x 32"
Door Size.....	16" x 16"
Thickness.....	1/4" Fire Drum & Water Jacket
Draft Control .....	Fan
Overall Size .....	5' x 6'
Water Capacity.....	120 gallons
Limited Warranty .....	5 years
Shipping Weight .....	1,800 lbs.
Heating Capacity .....	175,000 Btu

# Efficiency in the details

## >>> How it works

The WoodMaster Plus 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 system. Inside, you control the temperature with your thermostat.

Wood pellets are 100% sawdust, a by-product from furniture makers, saw, paper and other mills, and otherwise destined for landfills. The sawdust is compressed and formed into 1/4-inch diameter cylinders and packaged in 40 lb. bags.

By using corn, small grains and/or wood pellets, the WoodMaster Plus 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 fuel
- Provides carbon-neutral heat, which doesn't contribute to increased greenhouse gases
- Requires less work than splitting and stacking wood

## Incomparable safety

With the WoodMaster Plus, no fuels enter the house; only water enters, eliminating fire hazards, the mess of smoke, indoor soot and reducing the risk of dangerous carbon monoxide buildup. Many WoodMaster Plus owners qualify for reduced rates on their homeowner's insurance coverage.



The WoodMaster Plus generates heat by burning renewable fuels, including wood pellets, and a variety of agriculture materials such as corn, soybeans and rye.

# Features and benefits

## >>> Heat transfer design

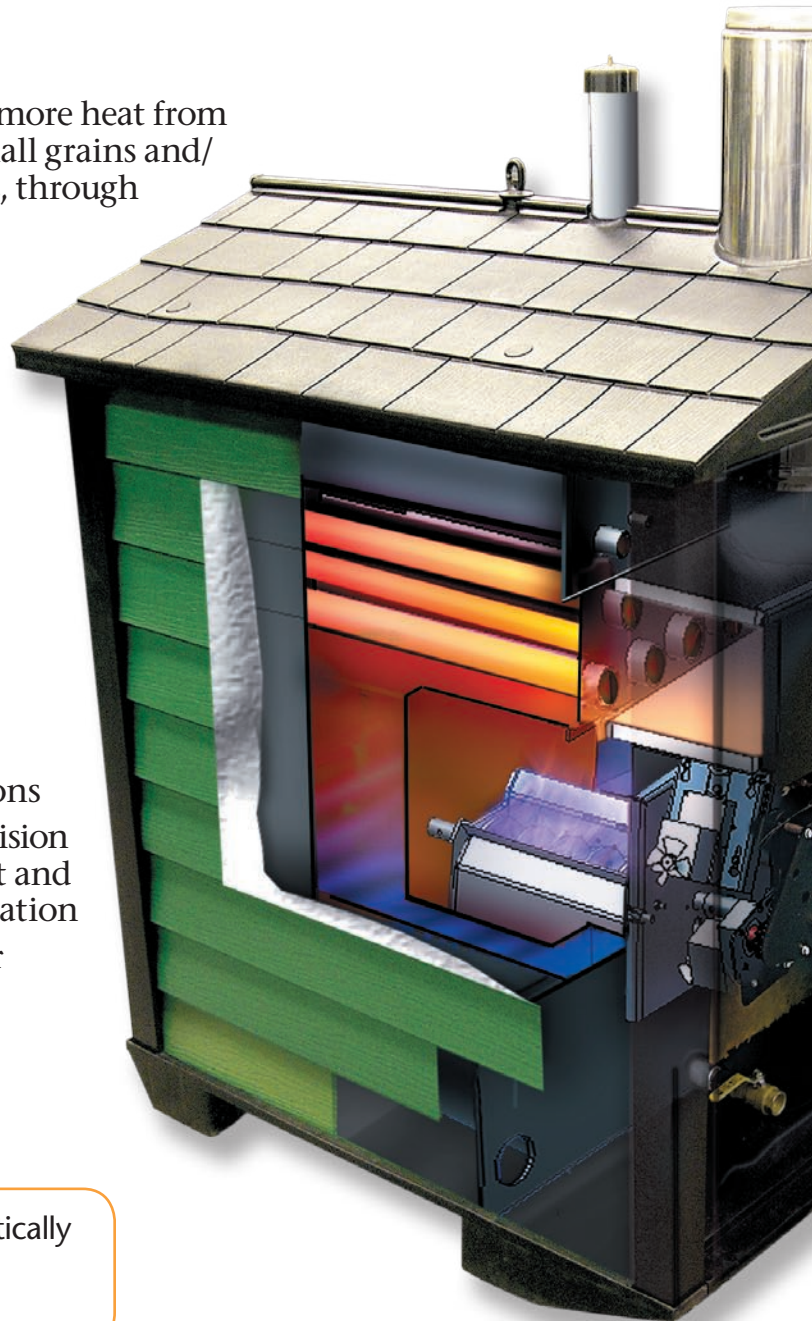
The WoodMaster Plus is designed to draw more heat from burning a comparable amount of corn, small grains and/or wood pellets than competitive furnaces, through features such as:

- Turbulators force hot exhaust to touch nearly all 1,418 sq. inches of walls to transfer more heat to the water and improve efficiency
- Layout utilizes heat transfer tubes to evenly distribute heat to the large water volume on top of furnace
- Extended travel and extreme turbulence provide peak heat transfer efficiency

## >>> Advanced composites

All models include exterior with:

- Premium, high density polyurethane, to withstand extreme weather conditions
- Computer-automated blueprint and precision blow and injection molding for a true fit and finish, plus decades of trouble-free operation
- Heavy-duty, multi-layered composite for resistance to dents, rust, rot, mildew and maintenance



**Take a look:** The WoodMaster Plus is aesthetically pleasing, and available in six standard and 11 custom colors.

## COLORWAYS

### Standard Colors



White



Grecian Green



Dove Gray



Evening Gray



Northwood



Autumn Brown



### >>> Ignition

From the start, the WoodMaster Plus' Electronic Sure Fire Plus provides clean, optimum modulated fuel use for continuous warmth and less hassle.

- Prime button automatically preloads the furnace with the precise amount of required fuel
- Furnace self-ignites in seconds, eliminating hassles of gels or risks of propane
- On button delivers 100,000 Btu within minutes

### >>> ETC system – Electronic Temperature Control

The WoodMaster Plus has an exclusive on-demand heat technology operating system to automatically adjust fuel usage according to owner's preset temperatures.

- Smart Burn Technology stops burning fuel when desired temperature is achieved
- ETC automatically re-ignites when heat is needed, minimizing unnecessary fuel use
- Low water level safety control shuts down furnace to eliminate damage

### >>> Fire box

Exclusive features and unique placement make the WoodMaster Plus fire box clean and efficient, designed with:

- Over-fire air injection in a clean, blue flame for the hottest, most efficient burn possible
- One-of-a-kind alloy auger agitates fuel and self-cleans the fire pot
- Unique design discharges used ash outside the pot to prevent problematic clinkers
- Once-a-week maintenance
- Capable of burning un-cleaned or sized fuels



A full line of nature-friendly wood  
and pellet fuel furnaces precisely engineered  
with legendary WoodMaster quality and  
efficiency built right in.

Isn't that refreshing?

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PLUS+

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For more information on the right WoodMaster furnace for your lifestyle visit:  
[www.woodmasterplus.com](http://www.woodmasterplus.com)