



WoodMaster and WoodMaster Plus Fact Sheet

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www.Woodmaster.com

www.WoodMasterPlus.com

About Northwest Manufacturing, Inc.

Founded: 1989 by Chuck Gagner

Headquarters: Red Lake Falls, Minnesota

Growing dealer network now in 31 states and 6 provinces

First product, WoodMaster furnace

Continued innovations:

- Great network of dealers and dedicated employees with continued new ideas
- WoodMaster BioFuel outdoor furnace that uses wood pellets, small grains, corn, and other sources to generate heat
- WoodMaster and WoodMaster BioFuel now available in six standard colors and 11 custom colors
- Flex Fuel furnaces that utilize three different fuels; cordwood, wood pellets and wood chips.
- Electronic Temperature Control
 - First in industry to offer digital accuracy of ETC – now standard with every WoodMaster furnace

Also offers HeatLink under floor heat systems and replacement parts for all brands of outdoor furnaces

How WoodMaster furnaces work

WoodMaster furnaces use wood and WoodMaster BioFuel furnaces use wood pellets, small grains, corn, and other sources 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.



- Each WoodMaster BioFuel furnace is installed outdoors, 25 – 400 feet from the home or structure(s) that it will heat.
- Core fire box is surrounded by a water jacket.
- Inside the fire box, cordwood, wood pellets, small grains, and corn.
- 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 the home or shop, you control the temperature with your thermostat.

WoodMaster and WoodMaster BioFuel furnaces work with most existing heat systems including hot water, forced air, hydronic heat, radiant baseboard, existing water-to-water and floor. A WoodMaster BioFuel 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.

WoodMaster BioFuel key features

Affordable - WoodMaster BioFuel furnace users have cut their heating costs by half in one winter, and most owners say the unit pays for itself within three or four years.

Cost savings comparison chart

Fuel Type	Usage		Local cost per unit	=	Cost to heat 2,000 sq. ft.
Corn	297 Bushels	X	\$ 5.95	=	\$ 1767.15
Wood Pellet	7.85 Tons	X	\$ 199.00	=	\$ 1562.15
Fuel Oil	830 Gallons	X	\$ 3.39	=	\$ 2813.70
Propane	1187 Gallons	X	\$ 2.34	=	\$ 2777.58
Natural Gas	1087 Therms	X	\$ 1.05	=	\$ 1141.35
Electric Off-peak	29,303 kwh	X	\$ 0.08	=	\$ 2344.24

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

*The 'local cost per unit' figures in this table are were gathered in February 2008 from Michigan.

Convenient - Depending on the size of the unit and fuel type, most owners fill their WoodMaster BioFuel furnace once or twice a day.

Environmentally friendly – Wood is renewable energy source. All fuel burning produces carbon dioxide, the primary greenhouse gas. Yet compared to coal, oil and gas, wood is part of the natural carbon - carbon dioxide cycle. As a tree grows, it absorbs carbon dioxide from the air and stores it in the wood as carbon. Burning the wood releases the carbon dioxide.

No additional carbon is released because the same amount of carbon dioxide would be released if the tree died and rotted on the forest floor. Burning waste wood also benefits the environment because it reduces wood waste that would otherwise take space in landfills. Using wood as a fuel aligns with Earth's natural ecosystem cycles. The heat produced by burning firewood is actually the warmth of the sun, stored in trees through the process of photosynthesis. During the winter, we release the sun's heat through the "reverse photosynthesis" of burning.

Reliable - Wood is a reliable fuel, providing heat and comfort even during emergencies. For instance, if severe weather or energy management causes power interruptions or rolling blackouts, homeowners can still heat with wood.

Safe - No fuels enter the house, eliminating fire hazards, the mess of smoke, indoor soot and reducing the risk of dangerous carbon monoxide buildup. Many WoodMaster BioFuel furnace owners qualify for reduced rates on their homeowner's insurance coverage.

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.

WoodMaster BioFuel specifications



BioFuel 250 specifications

Fire Box 34" x 32"

Door Size 16" x 16"

Thickness 1/4" Fire Drum & Water Jacket

Draft Control Fan

Overall Size 7' x 5' x 6"

Total Water Capacity 120 gallons

Limited Warranty 5 years

Shipping Weight 1,800 lbs.

Heating Capacity 175,000 Btu



BioFuel 120 specifications

Fire Box 23.5" x 24"

Door Size 16" x 16"

Thickness 3/16" Fire Drum & Water Jacket

Draft Control Fan

Overall Size 5.8' x 3.75' x 4.33"

Total Water Capacity 60 gallons

Limited Warranty 5 years

Shipping Weight 940 lbs.

Heating Capacity 100,000 Btu

WoodMaster specifications



3300

Fire Box 34" x 32"

Door Size 20" x 21"

Thickness 1/4" Fire Drum & Water Jacket

Draft Control Fan

Overall Size 5' x 5' x 7'4"

Total Water Capacity 105 gallons

Limited Warranty 10 years

Shipping Weight 1,421 lbs.

Heating Area 2,000 sq. ft.



4400

Fire Box 38" x 44"
Door Size 24" x 24"
Thickness 1/4" Fire Drum & Water Jacket
Draft Control Fan
Overall Size 5' x 6' x 7'6"
Water Capacity 117 gallons
Limited Warranty 10 years
Shipping Weight 1,809 lbs.
Heating Area 5,000 sq. ft.



5500

Fire Box 50" x 56"
Door Size 27" x 27"
Thickness 1/4" Fire Drum & Water Jacket
Draft Control Fan
Overall Size 6' x 7' x 8'6"
Water Capacity 194 gallons
Limited Warranty 10 years
Shipping Weight 2,835 lbs.
Heating Area 10,000 sq. ft.



6500

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

Square footage may vary depending on construction, insulation and climate.

Contact:

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