

BURNS CLEAN

The America's Heat furnace feeds the corn into the bottom of the combustion chamber, therefore providing the most efficient fuel consumption. The residual ashes (clinkers) are then spilled over the top of the combustion ring into the ash pan. This process, in effect, self cleans the combustion chamber.



SAFE, COMFORTABLE HEAT

Your home's thermostat electronically controls the fuel feed system to provide a constant temperature. The furnace will remain lit as long as the bin contains fuel, and will shut down automatically if the fuel supply is depleted.



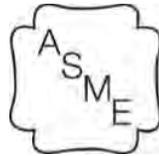
A BETTER ALTERNATIVE

The corn burning furnace has many advantages over wood heat. The large storage bin holds up to 10 days supply of fuel, which is automatically fed into the combustion chamber as needed. There's no need to load the furnace several times a day. The use of corn or pellets also eliminates the bark mess, insects, splinters, and storage and handling problems connected with the use of cord wood fuel.



QUALITY CONSTRUCTION

America's Heat products feature quality construction for long-lasting performance. A one year warranty is included on all parts and a five year limited warranty on the burner and fabricated steel parts. Boiler vessels carry a 20 year manufacturers warranty. All electrical parts carry a one year warranty.



THE FIRST UL LISTED

The America's Heat furnace is the first shelled corn fired central furnace to be listed by Underwriters Laboratories. The UL listing for the USA and Canada assures you of a safe and quality product.



REDUCE YOUR HEATING COSTS

WITH OUR

CORN/BIOMASS/PELLET

FURNACES AND BOILERS

America's Heat

Bio-Mass Heating Systems



Manufacturing LTD

www.americasheat.com



100,000 BTU

170,000 BTU
Forced Hot Air

100,000/170,000
BTU Boilers

**51 Koppers Ln
Montgomery, PA 17752**

Phone: (570) 769-7775

E-mail: lmf@americasheat.com

www.americasheat.com

DEALER:

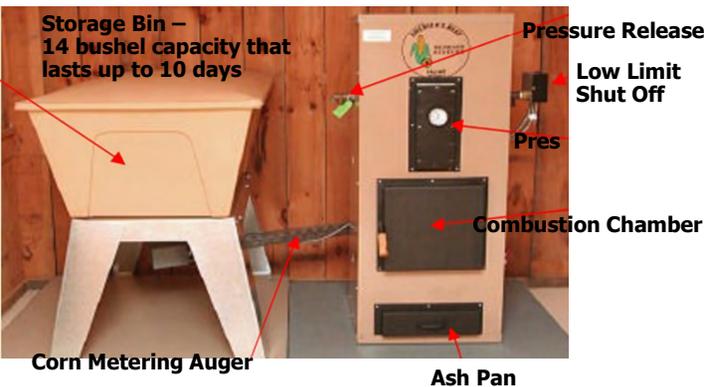
In these times of high energy costs, it makes sense to use a heat source that utilizes a resource that is readily available and cost effective. All America's Heat furnaces and boilers burn wood pellets, shelled corn, barley, oats, wheat, rye, and other bio-mass commodities. Bio-Mass products typically cost less per BTU than other heat sources, producing an economical, and ecologically safer home heating system.



Product Specifications

Model AHB 100/170

The America's Heat boiler is a closed loop hydronic heater manufactured in two sizes, a 100,000 BTU and a 170,000 BTU model. Each boiler is made as a stand alone unit or as an add-on to your current system. Our boilers can be used with baseboard registers, radiators, in-floor loops, water to air exchange and can also heat your domestic water for everyday use. The America's Heat Boiler utilizes an ASME certified steel tube type wet leg water jacket. The tanks for the America's Heat Boiler's are ASME certified and offer a 20 year limited manufacturers warranty. Our boilers are UL listed for the USA and Canada and are also EPA certified Clean Burning 2015 NSPS. With its quality construction and most up to date safety features, the America's Heat boiler is one of the safest and most efficient biomass boilers on the market today



Model AHB 100/170

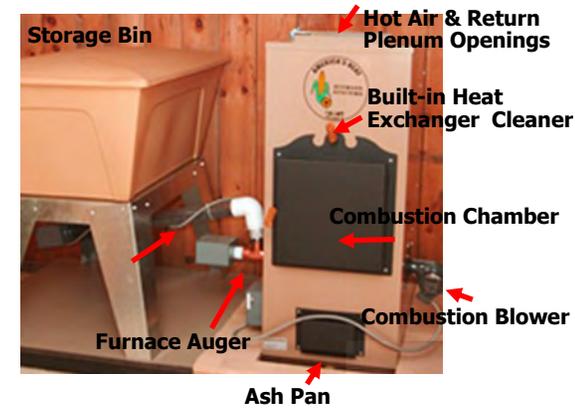
Dimensions - Boiler.....	59" H X 22" W X 30" D
Dimensions - Bin.....	48" H X 36" W X 52" D
Weight - Furnace.....	520 lbs
Weight - Bin.....	50 lbs
Flue Pipe.....	6" Class A
Heat Tubes.....	16
Heat Exchanger.....	6 gauge steel
Fire Pot.....	Cast Iron
Combustion Blower - 100,000 BTU.....	50 CFM
Combustion Blower - 170,000 BTU.....	60 CFM
Tank Capacity (ASME Certified).....	18 gals.
BTU's (2 Models).....	100,000 - 170,000
Low Water Cut-off.....	UL Required
Water Pressure.....	between 12 - 14 lbs
Pipe Size.....	1 1/2"
Bin Capacity.....	14 bushels
Voltage.....	110 volts
Domestic Hot Water Coil available - Coil produces 5 gals per min	
Thermostat Controlled	
Clearance to Combustibles:	
Top.....	32" Front.....30"
Side.....	6" Rear.....18"

Model AH 100

The model AH 100 is a fully automatic biomass furnace rated at 100,000 BTU's. The furnace operates no differently than any fuel oil, LP or natural gas furnace, other than the fact that it burns a solid fuel. Pellets or grain may be burned. Your homes thermostat controls the burn system on the America's Heat furnace. When there is a call for heat, the augers feed fuel to the burn pot. When the furnace reaches temperature, the room air blower operates to heat your home. When the thermostat is satisfied, the Corn-trol digital system will automatically slow the auger motors and combustion blower to the minimum firing rate to maintain the fire in the burn pot. An America's Heat furnace equipped with a Corn-trol digital system can maintain a fire for several days in low fire mode. The Corn-trol Digital system also makes our furnaces true variable speed units. The computer controls the speed of the augers to produce from 10,000 to 100,000 BTU's. The America's Heat furnace is made as a stand alone system or can be connected to your existing furnace, and will operate with your air conditioning unit during the summer. The AH 100 is also UL listed for the USA and Canada.

Model AH 170

The model AH 170, is rated at 170,000 BTU's and is similar in operation to the AH-100, but the interior of the AH 170 has been completely redesigned. The AH 170 is also able to burn wood pellets or grain. We increased the number of heat fins to scrub extra heat from the exchanger and made the interior of the furnace more aero dynamic. In addition to the redesigned interior we have added larger blowers and faster auger motors. The circulation blower has been mounted on top of the unit and an air chase has been added on both sides enhancing the airflow circulation throughout the unit. By pushing the air down over the internal smoke pipe and circulating it over the new heat fins we've captured more of the units heat making it a much more efficient unit. With the addition of the Corn-tol Digital System our furnaces are now true variable speed units. The computer controls the speed of the auger motors to produce from 10,000 to 170,000 BTU's. The redesigned interior and the addition of the Corn-trol system make the Model AH 170 state of the art technology in the biomass furnace industry. The AH 170 is also UL listed for the USA and Canada.



Model AH 100

Dimensions - Furnace.....	53" H X 27" W X 46" D
Dimensions - Bin.....	48" H X 36" W X 52" D
Weight - Furnace.....	440 lbs
Weight - Bin.....	50 lbs
Flue Pipe.....	6" Class A
Plenum Openings.....	14" Square
Heat Exchanger.....	14 gauge steel
Fire Pot.....	Cast Iron
Air Filter.....	20" X 20" X 1"
Bin Capacity.....	14 bushels
Combustion Blower.....	60 CFM
Hot Air Blower.....	CFM 1200/1500/1800.....1/3 HP - 3 speed
BTU's.....	100,000
Voltage.....	110 volts
Clearance to Combustibles:	
Top.....	32" Front.....30"
Side.....	6" Rear.....18"



Model AH 170

Dimensions - Furnace.....	68 3/4" H X 27" W X 46" D
Dimensions - Bin.....	48" H X 36" W X 52" D
Weight - Furnace.....	480 lbs
Weight - Bin.....	50 lbs
Flue Pipe.....	6" Class A
Plenum Openings.....	14" X 18"
Heat Exchanger.....	14 gauge steel
Fire Pot.....	Cast Iron
Air Filter.....	12" X 12" X 1"
Bin Capacity.....	14 bushels
Combustion Blower.....	70 CFM
Hot Air Blower.....	1/2 HP - 4 speed
BTU's.....	170,000
Voltage.....	110 volts
Clearance to Combustibles:	
Top.....	32" Front.....30"
Side.....	6" Rear.....18"