

# MAGNUM

A FAMILY OF  
HEARTH PRODUCTS

by American Energy Systems Inc.



## **Corn | Wood Pellets | Biomass | Agri-fuels**

Choose from a variety of clean-burning, renewable fuels while getting a return on your investment. You'll be proud to own a Magnum biomass appliance.

Locate your certified dealer at [www.magnumheat.com](http://www.magnumheat.com).



## MAGNUM

*The responsible choice  
for heating alternatives.*



**Beautiful, innovative and ecologically sound.**

***Quality you can trust.***

Your Magnum appliance will provide you with a lifetime of service and safety. You can trust our state-of-the-art electronics, safety sensors, diagnostics capabilities, thermostatic operation and self ignition to provide complete control against down drafts, blocked venting, open doors or a lack of fire. Your Magnum appliance is even designed to detect negative pressure and shut down before dangerous emissions would ever enter your home.

***Efficiency you demand.***

With your Magnum appliance, you will no longer need to be covering up with extra blankets or wearing multiple layers because you have turned the thermostat down to save on your heating costs. With both convectional and radiant heat output your Magnum appliance will heat the objects and the air in the room.

***Simplicity you desire.***

Operation of your Magnum appliance needs to be simple and work every time. Each appliance we manufacture is designed to be simple to use and we've eliminated every hassle. It's as easy as filling the hopper, setting the controls, and pushing a button. There's never a need to tear up paper, chop kindling, or split wood. We take great pride in the minimum amount of effort it takes to operate and maintain your Magnum appliance.



***Reliability you expect.***

Over 30 years ago, Mike Haefner, owner of American Energy Systems and designer of the Magnum product line, made a decision to provide products that would give a lifetime of service. **Contact your nearest Magnum dealer or visit [www.magnumheat.com](http://www.magnumheat.com) to find out more.**

***Heating with corn and other agri-fuels is a science.***

***Magnum – the proven choice for over 30 years.***



*When it comes to heating  
with renewable fuels,*

*think...*

**MAGNUM**

*For centuries men have been fascinated by the dancing flames of fire; a dance that relaxes and warms the soul. As long as there has been fire, women have desired the warmth and comfort of the fire's radiant heat. Together, men and women have been romanced by the fire's enchantment. Now everyone can enjoy the beauty and warmth of the fire while adding the right amount of elegance to virtually any room in your home.*

There is nothing else like it in the marketplace. Magnum biomass, stoves fireplace inserts, and forced-air furnaces offer luxurious, modern cabinet design with the versatility of burning very affordable and renewable energy sources such as shelled corn, wood pellets, wheat, barley, oats, cherry pits, waste paper pellets and a variety of other fuels.

The multi-fuel capability of your Magnum appliance allows you to choose your preferred fuel source, depending on the availability in your geographic location. With the growing demand to develop new, alternative energy products, it made sense to us to consider developing a way to use organic, renewable, and cost effective resources as alternative fuels. As a result we have developed the first biomass stove that allows you to choose from a variety of renewable fuel sources.

**American Energy Systems is known worldwide for providing you with solutions to economically heat your home.**

***“Necessity is the brainchild of invention”***

This was certainly true in colonial America where open fires were used to warm homes. To rectify this unsafe method of heating, Benjamin Franklin invented the iron furnace stove. Beginning in 1973, Mike Haefner began developing high-end hearth appliances and invented the world's first certified biomass fuel stove, improving on Franklin's heating icon. Using corn and other renewable resources as a heat source is the ecological and economic choice of thousands of homeowners just like you.



Magnum Countryside fireplace insert (left) and leg model stove shown with gold options, forest green color (below)



Magnum Baby Countryside cabinet model stove shown with nickel options

# Versatility is the key to biomass appliances.

## *The Magnum difference.*

At American Energy Systems, we're doing more than just manufacturing appliances; we're providing solutions to global energy shortages. We need to preserve our natural resources and benefit from our plentiful renewable resources. By doing this we are ensuring a healthy outlook for future generations and promoting the use of "home grown" fuels and reducing the massive dependability on importing foreign fuels.

Customers comment on our modern cabinet design, our large viewing windows and our graceful, yet sturdy construction. With our Magnum product line, you choose your custom options, including five paint options, nickel and 24 Karat gold plating and three etched glass options. When it comes to buying a biomass appliance, there's only one choice: Magnum. **It's the brand you can trust. We guarantee it.**



Magnum Winchester cabinet model stove shown with nickel options

## MAGNUM Appliance Comparison

No matter what your needs are, there is a perfect Magnum appliance for you.

\*These specifications are for reference only and subject to change without notice. Heating capacity can vary with different fuels and climates.



### Countryside

I'm the original certified corn-burning/ biomass appliance. I have the longest burn times between cleaning in the industry. Call me old reliable every day of the year.

#### Corn/Biomass/Agri-fuels

Pedestal: 28"W x 33"H x 28"D  
Legs: 28"W x 30.75"H x 28"D  
Insert: 28"W x 23"H x 28"D

350 lbs. (pedestal), 300 lbs. (insert)

app. 75 lbs.

up to 56,000\*

up to 50 hours

3" or 4" PL vent (power vented)

exempt



### Baby Countryside

I have today's hottest technology, self-ignition and a sleek cabinetry look. Check out my new legs!

#### Corn/Biomass/Agri-fuels

Cabinet: 20"W x 32"H x 22"D  
Legs: 20"W x 40"H x 22"D

200 lbs.

up to 50 lbs.

up to 40,000\*

up to 50 hours

3" or 4" PL vent (power vented)

exempt

#### Fuel Type:

#### Dimensions:

#### Shipping Weight:

#### Fuel Capacity:

#### BTU Range:

#### Burn Time:

#### Exhaust:

#### EPA Status:

## Choose your furnace.

Magnum furnaces are designed with the most advanced heat exchangers and air distribution systems on the market today. This ensures heat stays in your home and doesn't escape through your chimney.

With a fuel storage capacity of up to 210 pounds, your time will be spent enjoying your home rather than constantly having to re-fill your fuel supply. We have taken a "no-tools approach" that allows you to quickly and easily service your furnace without needing special tools to clean ash build up areas. Our advanced combustion system means less ash, higher efficiency, and a clean, safe fire.

For maximum heating, the Magnum 7500 furnace has a BTU range of up to 78,000 and is equipped with a self-cleaning system for the firepot. The 7500 is a perfect fit if you are looking for high heat output and low daily maintenance. The model 6500 Magnum furnace has the latest in clean-burning, low ash combustion technology. This means no ash blowing outside.

**Today is a GREAT day to heat with alternative fuels / renewable energies!**

### Where to find shelled corn, wood pellets, biomass or agri-fuels.



Visit [www.magnumheat.com](http://www.magnumheat.com) or check the Yellow Pages to find your closest Magnum dealer, feed mill or grain elevator. The Extension Office in your county, land-grant University or local corn growers association will also be helpful in finding a shelled corn fuel source. You can find wood pellet suppliers at [www.pelletheat.org](http://www.pelletheat.org).



### Winchester

I create warm memories with my traditional cabinet style. The advanced option of DC technology means I'll keep burning bright when the lights go out.

#### Corn/Biomass/Agri-fuels

Cabinet: 24"W x 33"H x 22"D

Legs: 24"W x 39"H x 22"D

Insert: 23.5"W x 21.5"H x 27.5"D

280 lbs.

up to 68 lbs.

up to 45,000\*

up to 56 hours

3" or 4" PL vent (power vented)

exempt



### 6500 Furnace

With high-tech, tri-level combustion and no fly ash, I'm able to burn high ash and higher moisture corn. Choose me for the cleanest burn in the industry.

#### Corn/Biomass/Agri-fuels

26"W x 47"H x 36"D

560 lbs.

190 lbs.

up to 78,000\*

up to 40 hours

4" PL vent (power vented)

exempt



### 7500 Furnace

I have the original fuel stirrer system that is the best in the industry. High ash fuels are no problem as my high-tech design allows operation at top-notch efficiency.

#### Corn/Biomass/Agri-fuels

26"W x 47"H x 36"D

480 lbs.

210 lbs.

up to 78,000\*

up to 40 hours

3" or 4" PL vent (power vented)

exempt

## Features & Options

Features & Options				Forced-Air Furnace	
	Countryside	Baby Countryside	Winchester	6500	7500
Safe, reliable operation	✓	✓	✓	✓	✓
Approved for mobile home use	✓	✓	✓		
Realistic firebox brick insulation	✓		✓	✓	✓
Large viewing window with air wash system	✓	✓	✓	✓	✓
24 kt gold or nickel plate options	✓	✓	✓	✓	✓
24 kt gold or nickel plate legs	✓	✓	✓		
12 volt DC operation (selected models)	optional	DC models	DC models		
1 year warranty on electrical	✓	✓	✓	✓	✓
5 year warranty on structure	✓	✓	✓	✓	✓
Firebox oxygenation / Fuel stirrer system	✓				✓
Standard Metallic Black color	✓	✓	✓	✓	✓
Available in Charcoal, Honey Glo-Brown, Forest Green, or Sky Blue	✓	✓	✓		
Hook into ductwork				✓	✓

## Battery Backup (available on select models)

Magnum stoves reflect years of marketing research and development, bringing you state-of-the-art technology. Unlike most biomass and pellet stoves which rely on 110v AC current, Magnum 12 volt DC models incorporate an advanced electronic design that allows them to run on a 12v backup battery, which is kept fully charged by an automatic built-in trickle charger.

## Homeowners can save between \$600 - \$1,300 or more a year!

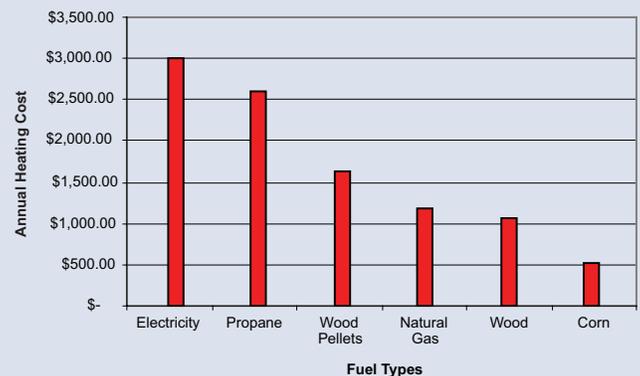
A 2,000 square foot home will use nearly 85.3 million BTU of heat (MBtu) per winter. Your annual heat cost can be calculated by using the following formula:  $D = 85.3 \times A / B \times C$

	Cost of Fuel	MBtu	Efficiency of Appliance	Annual Heating Cost
	A	B	C	D
<b>Electricity</b>	\$0.12/kWh	0.00341 MBtu/kWh	100%	\$3,002
<b>Propane</b>	\$1.95/gal	0.0915 MBtu/gal	70%	\$2,597
<b>Wood Pellets</b>	\$235/ton	15.3 MBtu/ton	80%	\$1,638
<b>Natural Gas</b>	\$12/Kcf	1.0265 MBtuKcfS/	85%	\$1,173
<b>Wood</b>	\$200/cord	26.52 MBtu/cord	60%	\$1,072
<b>Corn</b>	\$2.25/bushel	0.3809 MBtu/bu	95%	\$ 530

For a more in-depth fuel comparison, visit [www.magnumheat.com](http://www.magnumheat.com).

"I purchased my Magnum Countryside last year to heat my 1,800 sq. ft. farm house. I was able to heat my entire home this past season for \$680. I saved over \$1,300 in my normal fuel oil bill! American Energy Systems produces the best quality stoves I've seen on the market today! More homes in America should heat with corn stoves to support our county's farmers and cut dependency from foreign oil companies."

- Scott A. Thurber, New York



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Safety tested by Warnock Hersey to U.L. 1482/U.LS627, September 1992. Status: Exempt.



TESTED AND LISTED BY OMNI Environmental Services, Inc. I.C.B.O.TL-130 097-5-03-2, Inc. I.C.B.O.TL-130.



Your local authorized Magnum Reseller is:

Or visit [www.magnumheat.com](http://www.magnumheat.com) to locate a dealer near you.