



Corn Facts

We are constantly depleting the world's valuable fossil fuel reserves and polluting the atmosphere with carbon dioxide and other harmful greenhouse gases. Our reliance on fossil fuels for energy is the main cause of global warming and the polluted air we breathe. **Corn Stoves** are “**carbon neutral**” and can help us address these issues in a couple of different ways. During the growing season, corn adds oxygen to the atmosphere and removes carbon dioxide and other harmful greenhouse gases. Each fall, when the kernels are harvested, they can be used for food, used to manufacture ethanol or be burned for heat. By burning corn for heat you can help conserve the remaining petroleum reserves while reducing your dependence on petroleum. You can also lower your heating costs, help the farming community in our country and contribute to saving the environment by heating with a [corn stove](#).

Estimated Annual Heating Cost for Selected Fuels

Fuel type	BTUs Produced	Fuel cost	Energy use per year 1500 sq foot home	Energy cost for a well insulated 1500 sq ft home
Corn	9000 Btu/lb	3.50 / bucket *	205 buckets	\$720.00
Electricity	3413 Btu/kWh	.085 /kWh	35159 kWh	\$2988.00
Propane	92,000 Btu/gal	1.55 /gallons	1304 gallons	\$2021.00
Natural gas	100,000 Btu/therm	.90 /therm	870 therm	\$900.00
Fuel oil	140,000 Btu/gal	1.98 /gallons	857 gallons	\$1697.00
Coal	13,000 Btu/lb	187.00 /ton	4.61 tons	\$863.00
Pellets	7000 Btu/lb	4.50/40 lb bag	308 bags	\$1386.00

* Our corn is cleaned and packaged in 5 gallon plastic buckets that hold 35lbs.

Depending on the source, fuel corn typically costs between \$3.00 and \$6.00 a bushel. Unlike other sources of energy where the cost can fluctuate substantially during the coldest months of the year, the cost of corn remains relatively stable all year round. [We guarantee the price of our corn will not change during a heating season.](#)

www.earthinhandcornstoves.com

610-559-5131

How large of an area will it heat?

The [Caneco 5775](#) is rated at 60,000 BTU and will heat an area up to 2400 sq. ft. Open concepts have the best results.

Can I control the heat?

Yes, there are thermostat controls on the stove to control both the room fan and the corn flow into the firepot.

How is the heat circulated?

A variable speed fan in the stove circulates the air around the room. In reality a corn stove is a convection heater.

What type of corn can be used?

All grades of corn will burn in the stove; however, the higher the grade of corn, the cleaner it will burn and the more heat it will produce. We recommend using screened corn.

How much corn does a stove use?

We package our corn in 5 gallon buckets, which hold 35 lbs and are sealed with lids. Our stoves will hold 1 bushel of corn and will burn for approximately 24 hours. A bushel weights 56 lbs.

Do I need a chimney?

A corn stove uses a direct vent system. The stove can be vented straight through the wall, like a dryer, eliminating the need for a chimney.

How do I start the stove?

Fill the firepot half full with pellets, apply 2 ounces of fire starter gel, then light the gel with a match. When the internal temperature of the stove reaches 95 degrees it will begin to feed corn.

How do I clean out the stove?

You will have to remove a clinker after burning 1 bushel of corn. This is done easily; the stove does not need to be shut down. The clinker is about the size of your fist and comes out in one solid piece of ash.

GRAIN FUELS BURN CLEANER than any other solid heating fuel on the market today. While wood appears to be a natural burning fuel, burning wood significantly contributes to environmental pollution.

Corn Stoves EXCEED the strict requirements of the U.S. Clean Air Act.

- It took more than 4 million years to create fossil fuels.
- It takes 40 years to grow a mature tree.
- It only takes 4 months to grow a crop of corn

FACT 1

Wood is not a clean burning fuel. In July 1990, the U.S. Clean Air Act set new stringent particulate standards on wood heaters. Catalytic heaters can only emit 4.1 grams per hour and non catalytic heaters can only emit 7.5 grams.

Corn Stoves GREATLY EXCEED these standards, emitting only 1.6 to 2.7 grams per hour at maximum burn.

FACT 2

Independent tests show that grain burns cleaner than any other solid heating fuel on the market today. Not only does grain burn cleaner, it also produces a greater amount of heat per unit cost.

FACT 3

The air-to-fuel ratio of corn stoves is 68 to 1, again FAR EXCEEDING the 35 to 1 ratio for the most efficient wood burning products on the market.

FACT 4

You can make a difference! By burning wood you are contributing to deforestation. By burning fossil fuels you are contributing to the depletion of a non-renewable energy source.

With Corn Stoves, you can burn a non-polluting, abundant, renewable, and cost-efficient grain.

FACT 5

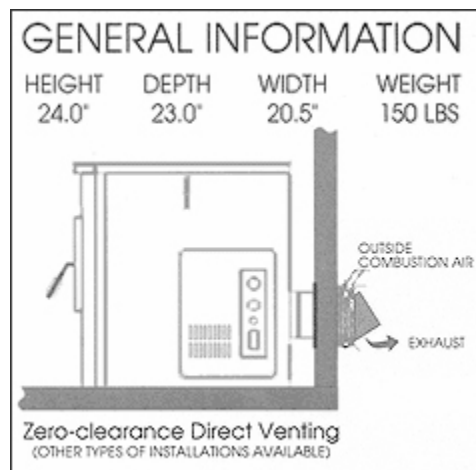
Our high technology solution is one of the most significant contributions to solving the environmental energy crisis facing us today.



CornGlo Model 3000



<u>CornGlo</u> Model 3000 Specifications	
Hopper Capacity	60lbs
Hopper Burn Time	Up to 48 hours
Adjustable BTUs	8,000 to 30,000
Heating Capacity	Up to 1,500 square feet
Air Circulating Blower	212 cubic feet per minute



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CornGlo Model 5000 Fireplace Insert



- The automatic shutdown feature ensures safe operation.
- Temperature controls can be adjusted for individual comfort.
- The hypo-allergenic air filter system filters your room air as you heat your home.

<u>CornGlo</u> Model 5000 Specifications	
Hopper Capacity	70lbs
Hopper Burn Time	Up to 38 hours
Adjustable BTUs	8,000 to 40,000
Heating Capacity	Up to 2,000 square feet
Air Circulating Blower	320 cubic feet per minute
Air Filters	7 Layers/Reusable

Minimum Fireplace Dimensions	
Width	27 inches
Depth	19 inches
Height	22 inches



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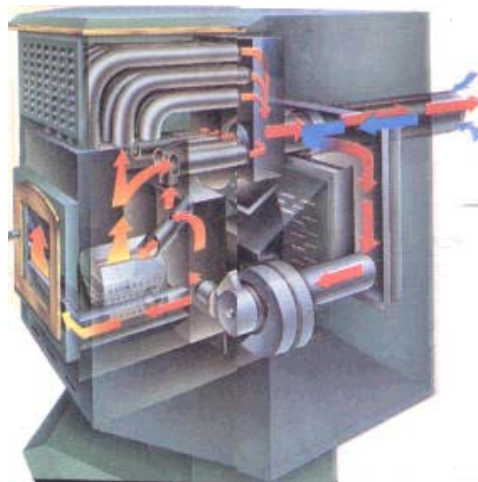
Model 5775

Powerful enough for larger areas



- Caneco's **5775 unit** has been referred to as the "Mini Furnace."
- With an increased heat exchange capability, the 5775 is ideal for heating larger areas.
- The automatic shutdown feature ensures safe operation.
- Temperature controls can be adjusted for individual comfort.

Caneco Model 5775 Specifications	
Height	29.0" without base
Width	32.5"
Depth	26.0"
Weight	310 lbs. without base
Max. Capacity	60,000 BTU/hr
Heating Capacity	Up to 2400 square feet
Hopper Capacity	60 lbs



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Buckner Model BR-7 Heat/ Hot Water



- Patented Zero-Clearance direct venting system.
- 70,000 BTU unit is designed to be a free-standing heater or ducted into an existing central heating duct system.
- An 80 gallon hot water heater recirculation system can be added.

Buckner Model BR-7 Specifications	
Hopper Capacity	100lbs
Hopper Burn Time	Up to 24 hours
Adjustable BTUs	15,000 to 70,000
Heating Capacity	Up to 2,800 square feet
Air Circulating Blower	465 cubic feet per minute
Hot water recirculation system	80 gallons

Minimum Stove Dimensions	
Width	30 inches
Depth	26.75 inches
Height	32 inches 40 w/legs

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CORN STOVE PRICES

CornGlo model 3000

30,000 BTUs	Picked up (stove only):	\$1575.00
Free standing unit	Installations start at:	\$2150.00

CornGlo model 5000

40,000 BTUs	Picked up (stove only):	\$1900.00
Fireplace insert	Installations start at:	\$2900.00
Free standing	Installations start at:	\$2800.00

Caneco model 5775

60,000 BTUs	Picked up (with stand):	\$2350.00
Free standing unit with the stand	Installations start at:	\$2950.00

Buckner model BR-7

70,000 BTUs	Picked up:	\$2600.00
70,000 BTU's W/ Hot water	Picked up:	\$2800.00

Buckner Corn Grill

Complete with stand	Picked up:	\$1195.00
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CornGlo Model 3000 Accessories

Standard base or Victorian style legs	\$125.00
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CornGlo Model 5000 Accessories

Fireplace kit	\$150.00
Extra-wide fireplace kit	\$200.00
Freestanding Base	\$125.00

Corn Stove Vent Kits

Complete vent kit for a straight through installation.	\$125.00
Complete vent kit for a 45° installation.	\$150.00

<u>CORN Fuel</u>	5 gal. bucket with 35 lbs. of cleaned corn.	\$3.50
FIRESTARTER	Gel, 16 ounce container	\$5.50
	Fire lighter blocks	\$3.50

Prices are subject to change without notice.