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STATE OF NEW HAMPSHIRE
DEPARTMENT of RESOURCES and ECONOMIC DEVELOPMENT
DIVISION of TRAVEL and TOURISM DEVELOPMENT
172 Pembroke Road P.O. Box 1856 Concord, New Hampshire 03302-1856

Jeffrey J. Rose
Commissioner

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April 6, 2015

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Executive Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Pursuant to RSA 4:8, authorize the Department of Resources and Economic Development, Division of Travel and Tourism Development to accept a donation of one (1) Ideal Steel Model 210 wood stove with a value of approximately \$2400.00 from Woodstock Soapstone Company, Inc. to be used at the Springfield Welcome and Information Center effective upon Governor and Executive Council approval.

EXPLANATION

Woodstock Soapstone Company has provided a freestanding woodstove (Model 204) at the Springfield Welcome and Information Center for use at no charge since March 2004. The agreement was originally arranged by the Department of Transportation. Woodstock Soapstone Company has been maintaining the stove and has been providing necessary replacement parts and labor for service at no charge.

Last year, Woodstock Soapstone Company's Ideal Steel Model 210 was EPA approved and the company is looking to put the stoves in the field for real life use and feedback. This model is larger, more efficient and has a new unique customized look. Woodstock Soapstone Company would be replacing the Model 204 with this new model, customized with a moose motif. Woodstock Soapstone Company would continue to provide parts and labor at no charge to keep the stove maintained. If the Division of Travel and Tourism Development decided the stove should be removed for any reason, Woodstock Soapstone Company would be contacted and the stove would be removed and returned to the company.

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Respectfully submitted,

Approved by,


Victoria Cimino
Director


Jeffrey J. Rose
Commissioner



February 3, 2014

To: Jennifer Codispot
From: Lewis Thibodeau
Woodstock Soapstone Company, Inc.
66 Airpark Road West Lebanon, NH 03784
RE: Agreement of use of freestanding wood stove

Dear Jennifer Codispoti,

CURRENT SITUATION

Woodstock Soapstone Company has provided a freestanding wood stove model 204 at the Springfield NH rest area (originally arranged with the DOT) for use at no charge. WSC has been maintaining the stove including providing necessary replacement parts and the labor for service at no charge.

This stove has been on location since about March of 2004. At that time our Director of Marketing at Woodstock Soapstone Company, Paul Charlton made contact and offered to provide one our stoves for the location. The advantage to the rest area was to provide a better heat source as compared to the wood stove that was currently there and the advantage for WSC was to help us put the product in front of the visitors that stopped at the facility for marketing exposure. We were also asked to supply company information that was kept behind the counter so that it may be offered if a guest specifically asked about the product, which was a very advantageous surprise.

NEW STOVE OFFER

We have just had our most recent stove the Ideal Steel (model 210) EPA approved and we are making beta stoves to put in the field for real life use and feedback. We would like to offer you a stove that we made with this location in mind. This model is larger, more efficient and has a new unique customized look. We will exchange this beta version with a production version in the Summer of 2014.

The offer includes use of the Ideal Steel Beta stove until the finish production version is ready and then to use that production stove woodstove for as long as you would like. We will continue to provide parts and labor to keep the stove operating well and looking good for as long as you use it. If the rest area ever decides that the stove should be removed you agree to contact Woodstock Soapstone Company so that we may pick up the product.

The Ideal Steel earned the grand prize in the woodstove challenge on the Mall in Washington D.C. in December of 2013 and will be featured in Popular Mechanics in March. It has been on local news, mentioned in the New York Times and should prove to be a true attention getter.

Sincerely,
Lewis Thibodeau
VP Manufacturing
Woodstock Soapstone Company, Inc.

Ideal Steel Hybrid

Winner of the 2013 Wood Stove Design Challenge

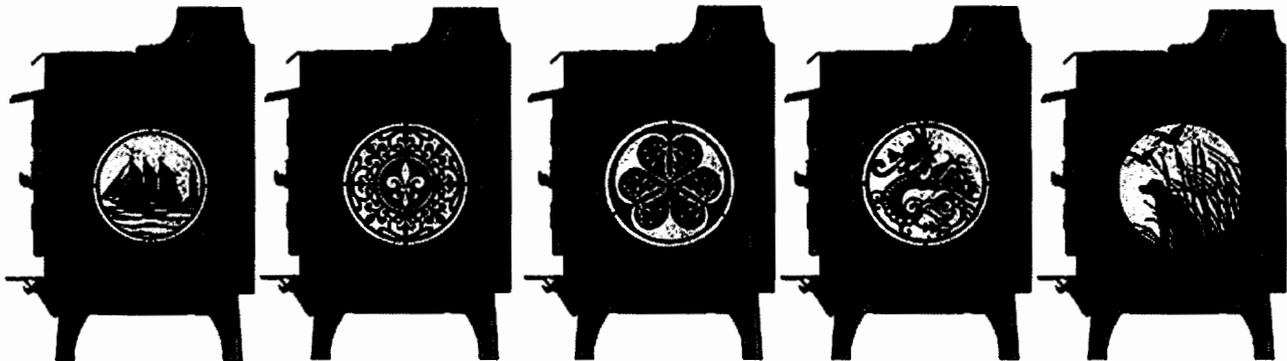
HIGH PERFORMANCE IN AN AFFORDABLE STOVE

The IDEAL STEEL Hybrid was developed in 2013 as Woodstock Soapstone Company's entry in the Woodstove Design Challenge. The Design Challenge had 14 finalists from 5 countries competing for a \$25,000 grand prize awarded for the best overall performance in 5 criteria: affordability, efficiency, emissions, innovation and market appeal. The Ideal Steel Hybrid was the grand prize winner!

The IDEAL STEEL Hybrid has a record 82% EPA tested efficiency and average emissions of 1.04 gm/hr. It will easily burn 12-14 hours, and will heat large areas comfortably. It's high efficiency means that it will produce up to 131,000 more BTUs per day than a standard non-catalytic stove.

To make the IDEAL STEEL Hybrid affordable, we changed from cast iron to steel as our basic building material. Steel costs about half as much per pound as cast iron. We believe that the IDEAL STEEL Hybrid is the most efficient, cleanest, and longest burning stove in its price range (less than \$2,000).

Because we are using steel as a base material, we are able to offer low cost customization on the IDEAL STEEL Hybrid. You can choose a design for the sides, the top, and the andirons from our design book, or you can design you own parts using our GEARED 2U DESIGN SERVICE.



We can produce almost any two dimensional graphic design for your stove!

[Click here to see our GEARED 2U DESIGN BOOK](#)

DIMENSIONS & SPECIFICATIONS

HxWxD (Max.Leg Height): 35.5"x29.5"x27.5"
 HxWxD (Min. Leg Height): 30.5"x29.5"x27.5" (Ash Pan Not Available)
 Leg Height Adjustment: 5" (in 1" increments)
 Firebox Size: 3.2 Cubic ft.
 Wood Length (Maximum): 22"
 Burn Time: 10-14 hrs
 Area Heated: up to 2,200 sq.ft.
 BTU Output: 13,017-60,530/hr (per EPA tests)
 EPA Efficiency: 82% (per EPA tests)
 EPA Emissions: 1.04 grams/hr (per EPA tests)
 Combustion System: Hybrid (Catalyst & Secondary Air)
 Flue Exit: Top or Back
 Flue Size: 6"
 Flue Height to Center (Max Leg Height): 29.5"
 Flue Height to Center (Min Leg Height): 24.5"
 Window Size (viewable): 12.25"H x 17"W
 Draft Control: Manual
 Weight: 550 lbs.
 Loading Door: Front Only
 Ash Pan: Optional (cannot be retrofit to stove)
 Rear Heat Shield: Optional Bottom Heat Shield: Standard

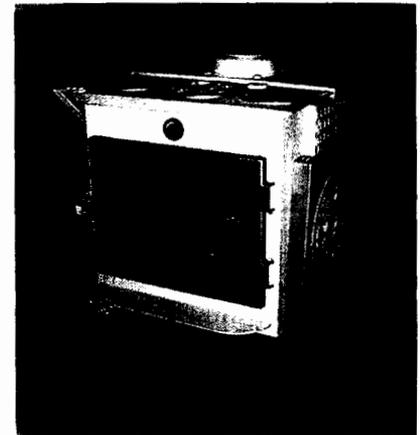
STOVE CLEARANCES:

Stove Rear Clearance (No Protection): 14"
 Stove Rear Clearance (w/ Heat Shield Kit): 6"
 Stove Side Clearance: 19" Stove Corner Clearance: 6"

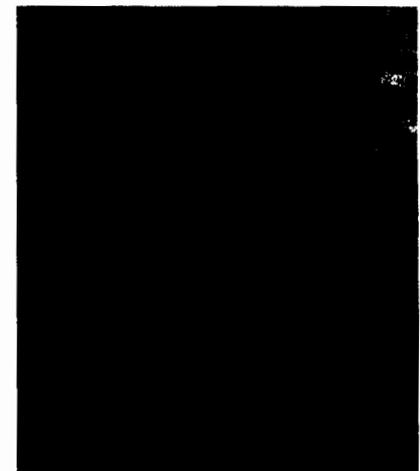
HEARTH PAD CLEARANCES & R VALUE:

Hearth Front Clearance: 16" (from stove body) Hearth Sides: 6"
 Hearth Back Clearance: 6" Hearth R Value: 0.41

2100 Degree Stainless Foil Catalyst: Standard



Ideal Steel Beta Stove
 Doug K., Newbury, VT
 Colors: Almond Body/Surf Sand Accents
 Art Scheme: Fleur de Lis



Ideal Steel Beta Stove
 Kurt W., Bow NH
 Colors: Charcoal Body/Charcoal Accents
 Art Scheme: Customer submitted design

Automatic Catalyst Air: Standard

Multi-temp Cooktop: Optional

Heat Transfer Radiator: Standard

Load Door/Bypass Lever Interlock: Standard

Easy Catalyst Access: Just Lift the Top Lid!

Choice of Colors:

Charcoal/Black/Blue/Brown/Gold/Copper/Silver, plus many more custom color options

Customizable Sides, Cooktop, and Andirons: [Design Book or Individual Requests](#)

COMPLETELY AFFORDABLE

Plus, you get options and performance not available in other steel stoves:

1. Top or Back Vent Option
2. High Heat Output
3. Adjustable Leg Height
4. High Efficiency/Low Emissions
5. Optional Ash Pan
6. Customizable
7. Introductory Prices are Now Available - [Click here for Details](#)

PERFORMANCE

The IDEAL STEEL is a hybrid. It has (1) a catalytic combustor, (2) a secondary combustion system, and (3) automatic catalyst air. Together they provide enhanced viewing pleasure, increased output and efficiency, decreased fuel consumption and clean burning.

In addition to record woodstove efficiency, the IDEAL STEEL Hybrid has a large 3.2 cubic foot firebox, will burn easily for over 12 hours on a load of wood, and will heat large living spaces.

The cut-away drawing below shows the basic elements of the combustion design.

Secondary combustion occurs across the top of the firebox. The fireback slopes so that you can easily see the secondary flames. Secondary air is preheated by passing across the back of the stove before entering the fireback.

Any exiting smoke and particulates not burned by secondary combustion must pass through a catalytic combustor, where they are ignited at temperatures as low as 400 degrees. The catalytic combustor is made of stainless steel foil, tested and approved for continuous operation at 2,100 degrees F. The thickness of the foil is approximately 50 microns (the thickness of a human hair), which is why it heats up and "lights off" so quickly.

Both the secondary combustion and the catalytic combustor produce heat. Without a hybrid system, some of this heat would be lost up the chimney.

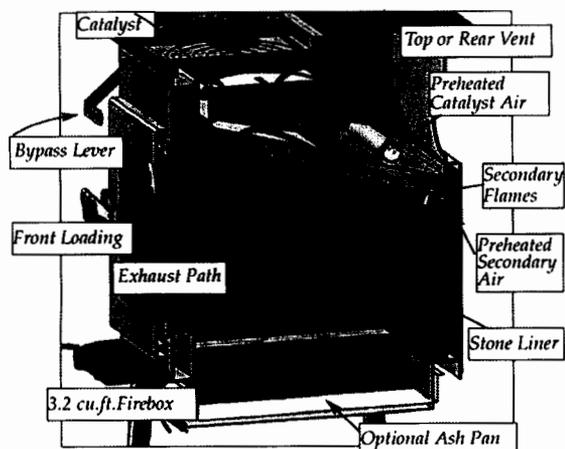


Ideal Steel Beta Stove (with Gear Head Crew)

Lincoln C., Bethel, VT

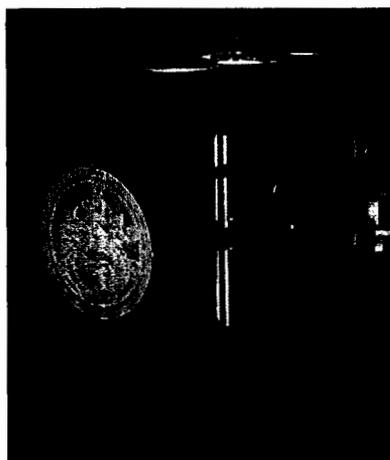
Colors: Charcoal Body/Moss Green Accents

Art Scheme: Labrador Retriever



The catalytic combustor is located right under the cooktop, so you get the full benefit of its heat. A radiator also transmits catalytic heat to the sides of the stove. Complete combustion, achievable only through a hybrid combustion system, and good heat exchange are what makes for record 82% efficiency. If the catalyst pointed toward the stack, as opposed to the cooktop, more heat would be lost and efficiency would drop.

The catalytic bypass damper interlocks with the loading door. You cannot open the loading door without opening the bypass damper first. This helps to ensure smoke free loading.



CUSTOMIZABLE

Everyone's house, hearth, and décor is different, so, why not your stove? Lots of people decorate their mantels, their refrigerators, bookshelves, and dining tables with images, photos, symbols, and memorabilia and centerpieces that are important to them. So, why not do the same thing with your stove?

The IDEAL STEEL Hybrid is the first woodstove that can accommodate owner designed artwork. The sides, andirons, and the cooktop burners can incorporate your design visions. All you have to do is send us a drawing, photograph or image of

what you would like to see on your stove and let our artists do the rest. If you are not feeling creative, you can choose a design from our **GEARED 2U Design Book**. And if you are really adventuresome, you can create a "Trophy Stove" like the Moose Stove and the "Poisson de Manon" pictured at the right. In any event, you get to choose between the 4 basic design options below, and then add any of our standard colors. To view the **Ideal Steel Standard Colors**, [click here](#).

The design options are:

- Essential Stove: We're always happy to make a stove with no ornamentation. All you have to do is tell us what color you want.
- Design Book: Choose a design from our, always growing, **Design Book**. There are a lot of good ideas there.
- Custom Design: We have a Geared 2U Design Service. Tell us what you want, and give us an image, drawing or photo to work with, and let us show you what we can do.
- Trophy Stove: We can extend the stove well beyond the confines of the basic box. Whether it's for a special occasion or a special person, we can make your stove into a **Moose**, a **Fish**, a Genie, an Angel, or a Mermaid.

The IDEAL STEEL Hybrid offers high efficiency heat, a great fire-viewing experience, clean burning and an opportunity to express your own design ideas if you choose to do so.

