TRUE CRAFTSMANSHIP

Vermont Castings was founded on the belief that the stately beauty of cast iron could be combined with the simple utility of wood heat, to craft stoves of value and enduring beauty.

Among the vibrant hills and silver waters of the Green Mountain State is one constant: the promise of American craftsmanship. This is where day after day, year after year, the proud people of Vermont Castings craft each stove with hand and heart.

Vermont Castings provides more than heat. It’s the warmth that unites. The timeless designs and furniture-quality finish set the scene for intimate memories. No detail is too small, no element insignificant. This is true craftsmanship.

VERMONT CASTINGS
**Key Technologies**

**FlexBurn® Technology**
FlexBurn stoves burn with or without a catalyst and achieve 15% higher efficiency on low burns with the catalyst in place.

1. **START UP**
   - Primary burn started and fueled by fresh air
   - Bypass damper is open

2. **2-STAGE BURN**
   - Damper is closed once stove and flue are sufficiently hot, forcing smoke into the secondary combustion chamber
   - Additional air feeds combustion of gases for secondary burn

3. **3-STAGE BURN**
   - With catalyst in place, increased efficiency and lower emissions result from a tertiary burning of gases and CO
   - The catalyst also enables combustion at much lower temperatures, extending burn times and saving on fuel costs

**SAVE MONEY AND USE LESS WOOD WITH A CATALYST**
Increase your heating efficiency and lower your stove emissions, ensuring you get the most out of each load of wood.

**Top Load Technology**
Our top load technology is second to none and perhaps the most celebrated feature of Vermont Castings stoves.

Top loading lends itself to numerous conveniences and safety features:
- The top load design increases load capacity by allowing you to utilize the entire firebox; load the firebox right to the top for longer burns
- Top loading is safer and cleaner, keeping ash and embers contained
- The smokeless design releases less smoke in your room than loading from the front
- Direct heat to the stovetop results in a superior cooking surface

**THERMOSTATICALLY CONTROLLED COMBUSTION**
Our unique, built-in thermostat requires no electricity and automatically adjusts the required air for combustion. Just set the stove for the heat output you want and let the thermostat do the rest. The result—longer, more even heat.
Defiant FlexBurn
WOOD-BURNING STOVE

KEY FEATURES

- Timeless cast iron styling with a furniture-quality finish
- Convenient top load keeps smoke and ash contained and increases load capacity
- Exclusive swing-out ash pan allows you to cleanly remove ashes, even when the stove is hot
- Cast iron griddle top offers a versatile cooking surface for the stovetop chef

FlexBurn Technology
Thermostatically Controlled Combustion
Top Load Technology
KEY FEATURES

Timeless cast iron styling with a furniture-quality finish

Convenient top load keeps smoke and ash contained and increases load capacity

Exclusive swing-out ash pan allows you to cleanly remove ashes, even when the stove is hot

Cast iron griddle top offers a versatile cooking surface for the stovetop chef

Encore FlexBurn Wood-Burning Stove

Catalyst Included

FlexBurn Technology

Thermostatically Controlled Combustion

Top Load Technology
**Intrepid FlexBurn**

**Wood-Burning Stove**

**FlexBurn Technology**

**Top Load Technology**

**Thermostatically Controlled Combustion**

**Optional Catalytic Performance Pack available**

**KEY FEATURES**

- Timeless cast iron styling with a furniture-quality finish
- Convenient top load keeps smoke and ash contained and increases load capacity
- Exclusive swing-out ash pan allows you to cleanly remove ashes, even when the stove is hot
- Cast iron griddle top offers a versatile cooking surface for the stovetop chef
KEY FEATURES

- Timeless cast iron styling with a furniture-quality finish
- Built-in ash pan for trouble-free ash removal
- North-south orientation for easy loading
- Top plate cooking surface

Thermostatically Controlled Combustion
WARMING SHELVES with mitten racks; stylish, yet practical

MATCHING ENAMEL PIPE

TRANSITION STYLE DOORS offer cleaner lines and a wider view to add a contemporary feel to a classic design

VARIABLE SPEED FAN KIT to better distribute heat in your space

SPARK SCREEN for open door, fireplace style viewing*

Add moisture to your room with a stylish enameled CAST IRON STEAMER

CAST IRON TRIVET for stove top cooking

MAGNETIC STOVE TOP THERMOMETER to take any guesswork out of operating the stove

OUTSIDE AIR ADAPTER

VERMONT CASTINGS LEATHER GLOVES

CAST IRON WOOD BIN

PORTABLE SAFETY SCREEN allows you to have peace of mind
## Option & Accessories

<table>
<thead>
<tr>
<th>Option</th>
<th>Defiant FlexBurn</th>
<th>Encore FlexBurn</th>
<th>Intrepid FlexBurn</th>
<th>Aspen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warming Shelves</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Enamel Finish Pipe¹</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Transition Doors</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Variable Speed Fan Kit</td>
<td>●</td>
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<tr>
<td>Spark Screen²</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Cast Iron Steamer</td>
<td>●</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Cast Iron Trivet</td>
<td>●</td>
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<td>●</td>
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<tr>
<td>Stove Top Thermometer</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<tr>
<td>Outside Air Adapter</td>
<td>●</td>
<td>●</td>
<td>Included</td>
<td>●</td>
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<tr>
<td>Leather Gloves</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Cast Iron Wood Bin</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Portable Safety Screen</td>
<td>●</td>
<td>●</td>
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</tr>
</tbody>
</table>

1: Enamel finish pipe not available in Twilight Enamel; 2: Spark screen requires 8-inch pipe on Defiant or Encore

## Stove Finishes

- **Classic Black**
  - Available on: Defiant FlexBurn, Encore FlexBurn, Intrepid FlexBurn, Aspen

- **Bordeaux Enamel**
  - Available on: Defiant FlexBurn

- **Majolica Brown Enamel**
  - Available on: Defiant FlexBurn

- **Biscuit Enamel**
  - Available on: Defiant FlexBurn

- **Twilight Enamel**
  - Available on: Defiant FlexBurn

Aspen
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>Defiant FlexBurn</th>
<th>Encore FlexBurn</th>
<th>Intrepid FlexBurn</th>
<th>Aspen</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Top</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Front</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Side - Top Vent</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Side - Rear Vent</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>Product Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Peak BTU/hr Output</strong></th>
<th>56,000</th>
<th>47,000</th>
<th>37,000</th>
<th>27,000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Heating Capacity</strong></td>
<td>1,300 - 2,800 sq ft</td>
<td>900 - 2,300 sq ft</td>
<td>600 - 1,800 sq ft</td>
<td>400 - 1,200 sq ft</td>
</tr>
<tr>
<td><strong>Maximum Burn Time</strong></td>
<td>14 hrs</td>
<td>12 hrs</td>
<td>8 hrs</td>
<td>5 hrs</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>80% (Catalytic)</td>
<td>71% (Non–Catalytic)</td>
<td>80% (Catalytic)</td>
<td>73% (Non–Catalytic)</td>
</tr>
<tr>
<td><strong>Emissions</strong></td>
<td>1.1 g/hr (Catalytic)</td>
<td>2.3 g/hr (Non–Catalytic)</td>
<td>1.1 g/hr (Catalytic)</td>
<td>1.6 g/hr (Non–Catalytic)</td>
</tr>
<tr>
<td><strong>Firebox Capacity</strong></td>
<td>3.1 cu ft</td>
<td>2.3 cu ft</td>
<td>1.3 cu ft</td>
<td>1.0 cu ft</td>
</tr>
<tr>
<td><strong>Recommended Log Length</strong></td>
<td>20”</td>
<td>18”</td>
<td>16”</td>
<td>16”</td>
</tr>
<tr>
<td><strong>Actual Weight</strong></td>
<td>518 lbs</td>
<td>471 lbs</td>
<td>348 lbs</td>
<td>240 lbs</td>
</tr>
<tr>
<td><strong>Technologies</strong></td>
<td>FlexBurn, Thermostatically Controlled Combustion, Top Load Technology</td>
<td>FlexBurn, Thermostatically Controlled Combustion, Top Load Technology</td>
<td>FlexBurn, Thermostatically Controlled Combustion, Top Load Technology</td>
<td>Thermostatically Controlled Combustion</td>
</tr>
</tbody>
</table>
CLEARANCES

1. Minimum stove top to ceiling clearance is 67" (170 cm).
2. WARNING: If stove has been installed based on the clearances described above as "Top exit with single wall or double wall connector pipe," then stove cannot be operated as "Door open with fire screen and damper open" without moving the stove so the clearance meets those described for this type installation.
3. Using a listed double wall oval to round connector.

INTREPID FLEXBURN

For clearance reduction methods, including protective surfaces, refer to NFPA 211 or local codes

ASPEN

1. Minimum stove top to ceiling clearance is 58" (147 cm).
2. A ceiling heat shield 24" (610 mm) in diameter and suspended 1" (25 mm) from the ceiling must surround the pipe in installations where chimney penetrates the ceiling.
3. The connector pipe heat shield must extend 36" (914 mm) above flue collar.
4. Using listed double wall oval to round adapter when installing optional 8" oval flue collar.

1. Refer to installation manual for above installation requirements.
2. Rear exit — horizontal from flue collar directly back through wall.
LIMITED LIFETIME WARRANTY

The strongest in the industry, Vermont Castings provides a limited lifetime warranty on the most important aspects: firebox and heat exchanger. For full warranty details go to VermontCastings.com.

IMPORTANT - READ BEFORE YOU INSTALL! - Refer to the Owner/Installation Manual for complete clearance requirements and specifications. The images and descriptions in this brochure are provided to assist you in product selection only. Vermont Castings is a registered trademark of Hearth & Home Technologies. Product specifications and pricing subject to change without notice.

Fireplace, stove and insert surfaces get extremely HOT and can cause burns if touched. Keep a safe distance away. To learn more visit www.vermontcastings.com/fireplacessafety.

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