



VERMONT  CASTINGS™

WOOD-BURNING STOVES

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.



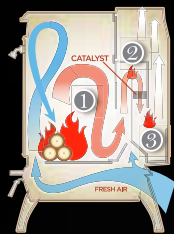
① START UP

- 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

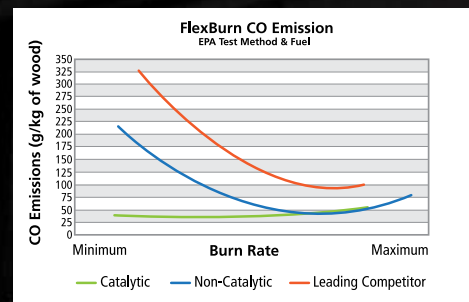
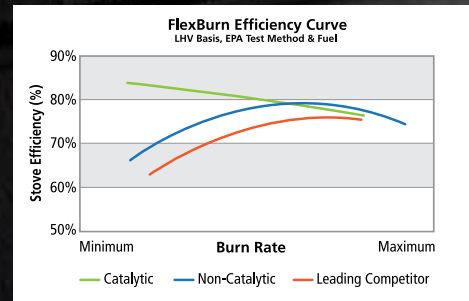


③ 3-STAGE BURN

- 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 fire box; 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.

CONTINUOUS COMBUSTION CONTROL™ (C3)

Our exclusive C3 technology is tuned to provide optimal burn throughout the life of your fire. From startup to last coals, C3 technology manages all the give-and-take for you, automatically adjusting and delivering just the right amount of air to optimize efficiency and heat output. This heat activated technology requires no electricity or manual air controls. The result – the most consistent, easiest burn you will experience.





Catalyst Included

DEFIANT WOOD STOVE



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 WOOD STOVE



Thermostatically
Controlled Combustion



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



Optional Catalytic
Performance Pack available

INTREPID FLEXBURN WOOD STOVE



FlexBurn
Technology



Thermostatically
Controlled Combustion



Top Load
Technology

KEY FEATURES



Timeless cast iron styling with a furniture-quality finish



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



ASPEN C3 WOOD STOVE



Continuous Combustion
Control (C3) Technology

KEY FEATURES



Timeless cast iron styling with a furniture-quality finish



North-south orientation for easy loading



Top plate cooking surface for the stove top chef



Up to 10 hours of burn time from each load of wood

**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



**DECORATIVE VINTAGE
COOK PLATE** creates added
visual appeal



CAST IRON TRIVET
for stove top cooking



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



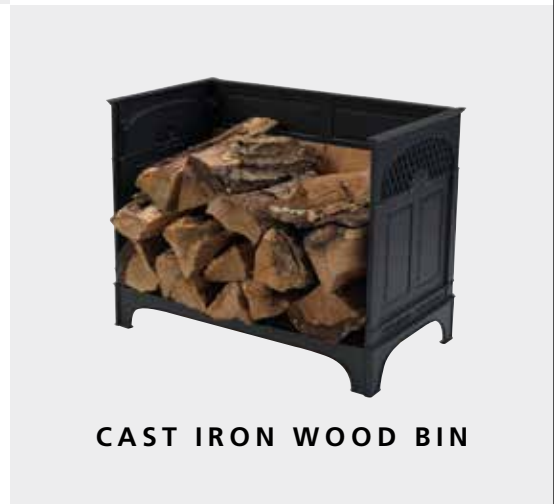
**MAGNETIC STOVE TOP
THERMOMETER** to take any
guesswork out of operating the stove



OUTSIDE AIR ADAPTER



CAST IRON WOOD BIN



**VERMONT CASTINGS
LEATHER GLOVES**



PORTABLE SAFETY SCREEN



VARIABLE SPEED FAN KIT
to better distribute heat in your space



OPTION & ACCESSORIES

OPTION	DEFIANT	ENCORE	INTREPID FLEXBURN	ASPEN C3
Warming Shelves	•	•	•	
Enamel Finish Pipe ¹	•	•	•	
Transition Doors	•	•	•	
Variable Speed Fan Kit	•	•		
Decorative Vintage Cook Plate				•
Cast Iron Steamer	•	•	•	•
Cast Iron Trivet	•	•	•	•
Stove Top Thermometer	•	•	•	•
Outside Air Adapter	•	•	Included	•
Leather Gloves	•	•	•	•
Cast Iron Wood Bin	•	•	•	•
Portable Safety Screen	•	•	•	•

STOVE FINISHES



CLASSIC BLACK

AVAILABLE ON:

Defiant

Encore

Intrepid FlexBurn

Aspen C3



BORDEAUX ENAMEL

AVAILABLE ON:

Defiant

Encore

Intrepid FlexBurn



MAJOLICA BROWN ENAMEL

AVAILABLE ON:

Defiant

Encore

Intrepid FlexBurn



BISCUIT ENAMEL

AVAILABLE ON:

Defiant

Encore

Intrepid FlexBurn



TWILIGHT ENAMEL

AVAILABLE ON:

Defiant

Encore

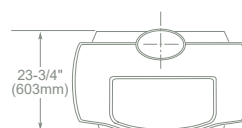
Intrepid FlexBurn

1: Enamel finish pipe not available in Twilight Enamel.

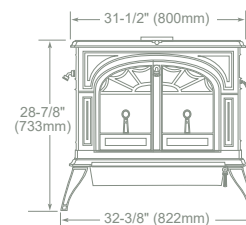
SPECIFICATIONS

DEFIANT

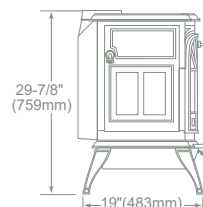
Peak BTU/hr Output ¹	56,000
Heating Capacity ²	1,300 - 2,800 sq ft
Maximum Burn Time ³	14 hrs
Efficiency ⁴	84%
Emissions	1.3 g/hr
Firebox Capacity	3.2 cu ft
Recommended Log Length	20"
Actual Weight	518 lbs
Technologies	Thermostatically Controlled Combustion, Top Load Technology



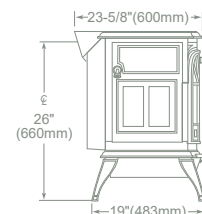
Top



Front



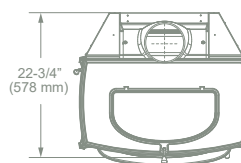
Side - Top Vent



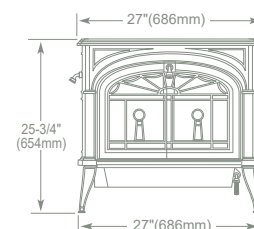
Side - Rear Vent

ENCORE

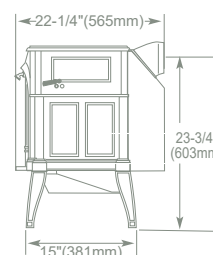
Peak BTU/hr Output ¹	48,000
Heating Capacity ²	900 - 2,300 sq ft
Maximum Burn Time ³	12 hrs
Efficiency ⁴	83%
Emissions	1.1 g/hr
Firebox Capacity	2.3 cu ft
Recommended Log Length	18"
Actual Weight	475 lbs
Technologies	Thermostatically Controlled Combustion, Top Load Technology



Top



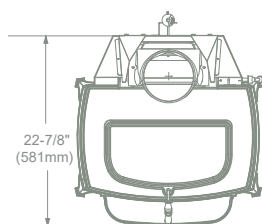
Front



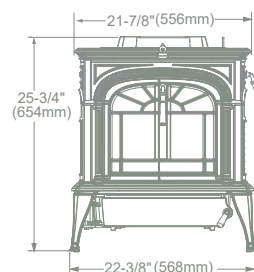
Side

INTREPID FLEXBURN

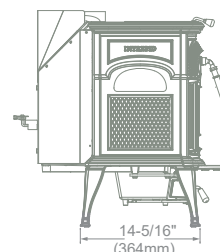
Peak BTU/hr Output ¹	37,000
Heating Capacity ²	600 - 1,800 sq ft
Maximum Burn Time ³	8 hrs
Efficiency ⁴	83% (Catalytic) 80% (Non-Catalytic)
Emissions	0.3 g/hr (Catalytic) 0.6 g/hr (Non-Catalytic)
Firebox Capacity	1.3 cu ft
Recommended Log Length	14"
Actual Weight	348 lbs
Technologies	FlexBurn, Thermostatically Controlled Combustion, Top Load Technology



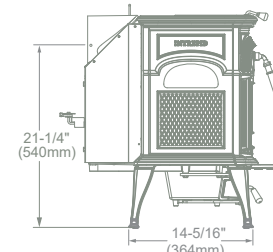
Top



Front



Side - Top Vent



Side - Rear Vent

1. BTU: 1st hour output uses high burn efficiency number. BTU will vary depending on the type of fuel used and moisture content of the fuel. 2. This is a general guide, see your local dealer for help in determining the product that best suits your heating needs based on climate, home

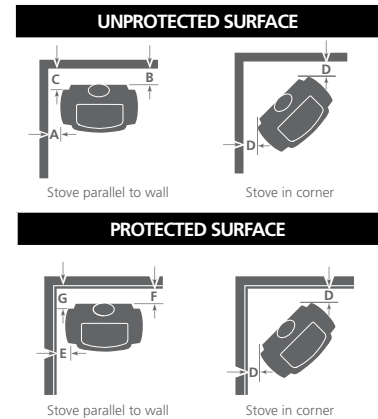
efficiency, location of the heater, and air movement in the room. 3. Actual burn times will vary based on how the appliance is operated, load size, moisture content and type of wood used. 4. Weighted Average LHV (Low Heating Value) efficiency.

CLEARANCES

DEFIANT

Clearances for 6" or 8" connections; single or double wall pipe ¹	UNPROTECTED SURFACE NO CONNECTOR HEAT SHIELD				PROTECTED SURFACE ¹ WITH CONNECTOR HEAT SHIELD			
	PARALLEL INSTALLATION		CORNER INSTALLATION		PARALLEL INSTALLATION		CORNER INSTALLATION	
	Side (A)	Rear ² To rear shroud (B)	To back edge of cast (C)	Corner (D)	Side (E)	To rear shroud (F)	To back edge of cast (G)	Corner (D)
Top exit, single wall connector pipe	21" (521 mm)	15" (381 mm)	21" (521 mm)	5" (127 mm)	5" (127 mm)	3" (76 mm)	9" (229 mm)	5" (127 mm)
Top exit, double wall ² connector pipe	21" (521 mm)	15" (381 mm)	21" (521 mm)	5" (127 mm)	5" (127 mm)	3" (76 mm)	9" (229 mm)	2" (51 mm)
Rear exit	21" (521 mm)	10" (254 mm)	16" (407 mm)	N/A	N/A	N/A	N/A	N/A

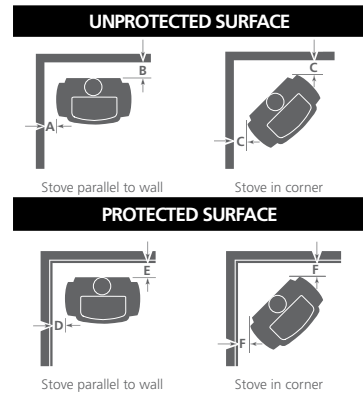
1. Minimum stove top to ceiling clearance is 67" (170 cm). 2. Using a listed double wall oval to round connector.



ENCORE

Clearances for 6" or 8" connections	UNPROTECTED SURFACE NO CONNECTOR HEAT SHIELD			PROTECTED SURFACE ¹ WITH CONNECTOR HEAT SHIELD		
	PARALLEL INSTALLATION		CORNER INSTALLATION	PARALLEL INSTALLATION		CORNER INSTALLATION
	Side (A)	Rear (B)	Corner (C)	Side (D)	Rear (E)	Corner (F)
Top exit, 8" single wall connector w/o shields, vertical flue collar heat shield	19" (483 mm)	20" (508 mm)	18-1/2" (470 mm)	5" (127 mm)	7" (178 mm)	12" (305 mm)
Rear exit, no flue collar heat shield	22" (559 mm)	14" (356 mm)	N/A	11" (279 mm)	12" (305 mm)	N/A
Top exit, double wall connector pipe, vertical flue collar heat shield installed	20" (508 mm)	11" (280 mm)	12" (305 mm)	4" (102 mm)	4" (102 mm)	10" (254 mm)
Top exit, 6" single wall connector w/o shields, vertical flue collar heat shield	19" (483 mm)	15" (381 mm)	18-1/2" (470 mm)	5" (127 mm)	7" (178 mm)	12" (305 mm)

1. Minimum stove top to ceiling clearance is 58" (147 cm). 2. The connector pipe heat shield must extend 36" (914 mm) above flue collar. 3. Using listed double wall oval to round adapter when installing optional 8" oval flue collar.

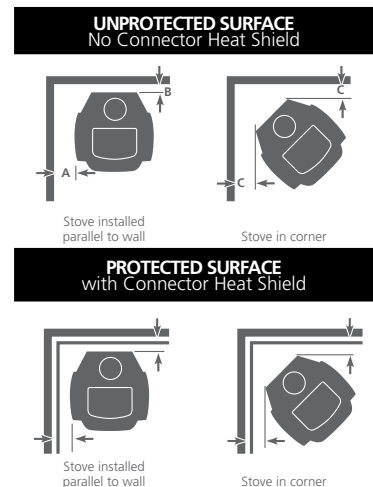


INTREPID FLEXBURN

Clearances for 6" connections; single or double wall pipe	UNPROTECTED SURFACE		PROTECTED SURFACE
	PARALLEL INSTALLATION		CORNER INSTALLATION
	Side (A)	Rear (B)	
Top exit, single wall pipe	15" (381 mm)	12" (305 mm)	6-1/2" (165 mm)
Rear exit ²	15" (381 mm)	13" (330 mm)	N/A
Top exit, double wall pipe ¹	11" (280 mm)	10" (254 mm)	6" (152 mm)

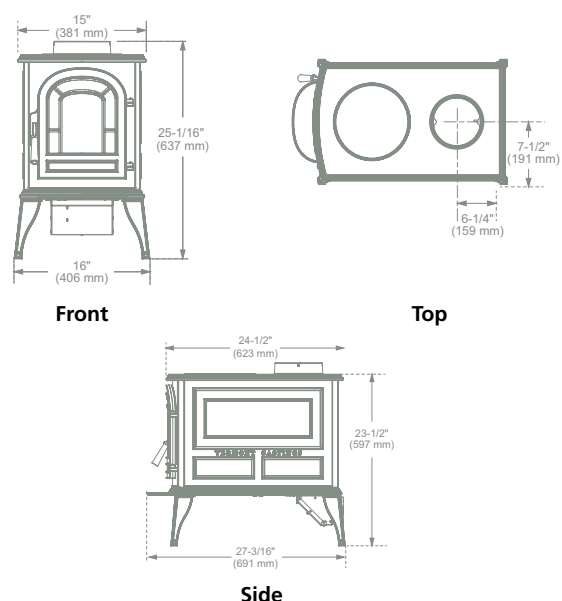
For clearance reduction
methods, including
protective surfaces,
refer to NFPA 211
or local codes

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



ASPEN C3 SPECIFICATIONS

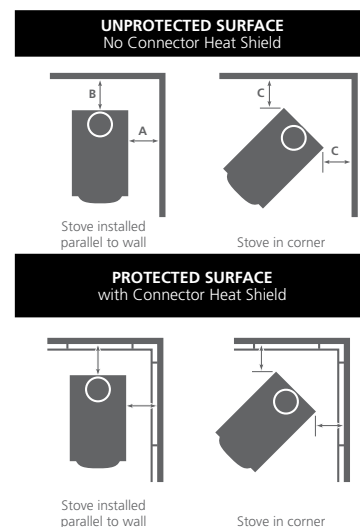
Peak BTU/hr Output ¹	35,200
Heating Capacity ²	400 - 1,200 sq ft
Maximum Burn Time ³	10 hrs
Efficiency ⁴	81%
Emissions	1.99 g/hr
Firebox Capacity	1.25 cu ft
Recommended Log Length	16"
Actual Weight	215 lbs
Technologies	Continuous Combustion Control (C3)



1. BTU: 1st hour output uses high burn efficiency number. BTU will vary depending on the type of fuel used and moisture content of the fuel. 2. This is a general guide, see your local dealer for help in determining the product that best suits your heating needs based on climate, home efficiency, location of the heater, and air movement in the room. 3. Actual burn times will vary based on how the appliance is operated, load size, moisture content and type of wood used. 4. Weighted Average LHV (Low Heating Value) efficiency.

ASPEN C3 CLEARANCES

	UNPROTECTED SURFACE			PROTECTED SURFACE
	PARALLEL INSTALLATION		CORNER INSTALLATION	
	Side (A)	Rear (B)	Corner (C)	
Single Wall Pipe	14" (356 mm)	8" (203 mm)	6" (152 mm)	For clearance reduction methods, including protective surfaces, refer to NFPA 211 or local codes
Double Wall Pipe	14" (356 mm)	3" (76 mm)	3" (76 mm)	



vermontcastings.com

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/fireplacesafety. ©2016 Hearth & Home Technologies®, All rights reserved

VMT-1011U-1019

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