



DEFIANT® FLEXBURN™ AND ENCORE® FLEXBURN™ WOOD BURNING STOVES

ONE STOVE. TWO WAYS TO BURN.  
UNLIMITED POSSIBILITIES.



## EFFICIENT — NO MATTER HOW YOU CHOOSE TO USE THEM.

We believe that a wood burning stove should be as efficient as it is innovative. That's why we developed FlexBurn™ technology — a Vermont Castings exclusive. Defiant® FlexBurn™ and Encore® FlexBurn™ stoves allow you to choose the burn method that's best for your lifestyle needs without having to choose between stoves. These stoves are among the most efficient on the market, even when burned in non-catalytic mode.



*America's Greenest Stoves*



Encore® shown in Majolica Brown  
Top Right: Encore® shown in Enamel Biscuit  
Cover: Defiant® shown in Enamel Bordeaux

**WHAT IS FLEXBURN™?** FlexBurn™ allows you to switch between catalytic or non-catalytic burning methods. Whether you need an efficient catalytic primary heating source, or a low-maintenance non-catalytic solution for supplementary heat or ambience — you can choose what's best for your home and your life.

**FLEXIBLE EFFICIENCY** Defiant® FlexBurn™ and Encore® FlexBurn™ stoves pair higher efficiency with a more eco-friendly burn, reducing particles for cleaner, more cost-effective heat. In fact, no wood stove manufacturer can match Vermont Castings' history of consistently exceeding the EPA's standards for emissions. Plus these stoves achieve a longer, more even heat output — all of which reduces wood-burning costs by up to 30%.\*

### THE VERMONT CASTINGS

**DIFFERENCE** Designed with meticulous attention to detail, built to Vermont Castings' highest standards and backed by over 35 years of tradition — each Defiant® FlexBurn™ and Encore® FlexBurn™ wood burning stove is the definition of craftsmanship.

Made in our eco-friendly foundry in the heart of Vermont, our stoves embody strength, durability and reliability all while using green manufacturing processes and recycled materials.

★  
**MADE IN THE USA**

**LIMITED  
LIFETIME  
WARRANTY**

**GUARANTEED TO LAST** We pride ourselves on strict engineering guidelines and rigid quality assurance testing so we can offer the most comprehensive warranty in the industry. Each Defiant® FlexBurn™ and Encore® FlexBurn™ stove is backed by a Limited Lifetime Warranty on all castings, combustion systems and even the door glass.



Encore® shown in Enamel Ebony Black



Defiant® shown in Classic Black



Effortless Design

# THE FINEST COMPOSITION

Defiant® FlexBurn™ and Encore® FlexBurn™ stoves offer exclusive, industry-leading features that make heating your home perfectly simple.

## EFFICIENT DESIGN INDUSTRY LEADER

The top load design of these stoves makes them easier to fill to nearly 100% of their capacity — leading to longer burn times and greater heat output. Plus you won't have to fill them as often. The top load design is also safer, virtually eliminating the escape of hot embers while loading.



Top Load Design

## EASY-TO-CLEAN VERMONT CASTING EXCLUSIVE

Our FlexBurn™ design gives you easy-access to the catalyst system for easy cleaning and maintenance. And because our system burns so clean, our catalysts outlast other brands — providing years of reliable, clean and efficient heat.



Easy-to-Clean Catalyst System

## HEAT AT YOUR FINGERTIPS BENEFITS OF THERMOSTATIC CONTROL

These stoves give you the power of thermostatic control. Prevent over-fire and get longer, more even burn times by controlling the heat being generated. By simply adjusting the thermostatic air, you can use less wood and achieve a more comfortable room temperature.



Thermostatic Control

## ACCESSORIES THAT FIT YOUR HOME AND LIFESTYLE AUTHENTIC ADDITIONS

From Warming Shelves to the Stove-Top Steamer and Child-Guard Screen, we have the finest accessories to choose from to make your FlexBurn™ stove work for you. Visit [vermontcastings.com](http://vermontcastings.com) for our full selection of Defiant® FlexBurn™ and Encore® FlexBurn™ accessories.

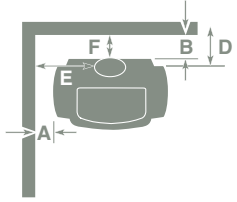
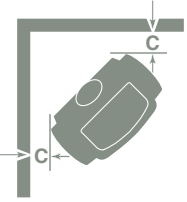


Warming Shelf and  
Cast Iron Stove-Top Steamer

DEFIANT® FLEXBURN™ WOOD BURNING STOVE

CLEARANCE CHART FOR 6" AND 8" CONNECTIONS ONLY

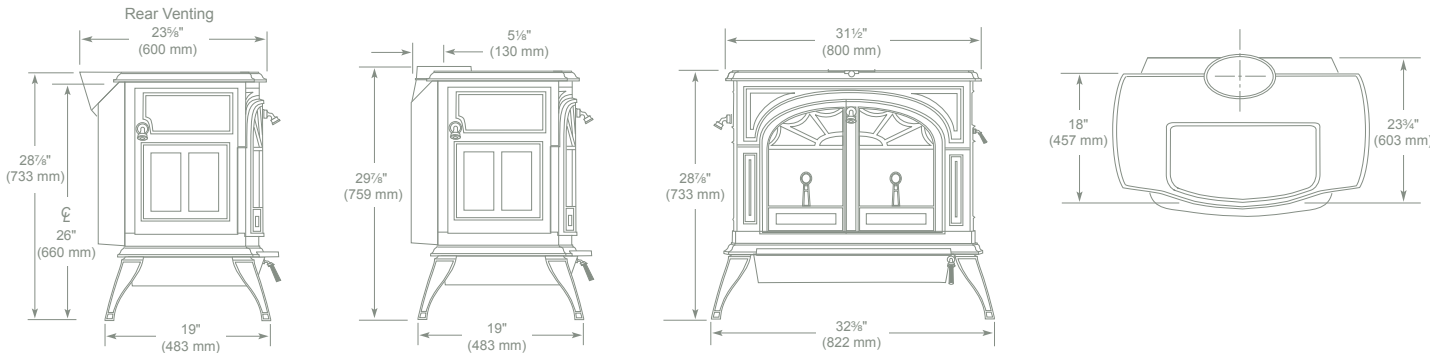
Single or Double Wall Pipe¹

		UNPROTECTED SURFACE		PROTECTED SURFACE²	
		TOP VENT	REAR VENT	TOP VENT	REAR VENT
SIDE (A)	Wall to side edge of cast iron top	21" (534 mm)	21" (534 mm)	5" (127 mm)	11" (280 mm)
SIDE (B)	Wall to back of rear heat shield	15" (381 mm)	10" (254 mm)	3" (77 mm)	10" (254 mm)
SIDE (C)	Wall to corner of cast iron top	5" (127 mm)	—	2" (51 mm)	—
SIDE (D)	Wall to rear edge of cast iron top	21" (534 mm)	16" (407 mm)	9" (229 mm)	16" (407 mm)
SIDE (E)	Side wall to center of flue collar	37" (940 mm)	37" (940 mm)	21" (534 mm)	27" (686 mm)
SIDE (F)	Rear wall to center of flue collar	20.5" (534 mm)	—	8.5" (216 mm)	—
		UNPROTECTED SURFACE		PROTECTED SURFACE	
					
		Stove parallel to wall		Stove in corner	

1. Using listed double wall oval to 6" or 8" round connector; all installations require supplied rear heat shield, flue collar shield and bottom heat shield.  
2. Must use connector pipe heat shield and it must extend 36" (914 mm) above flue collar.

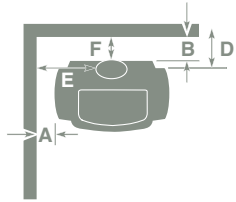
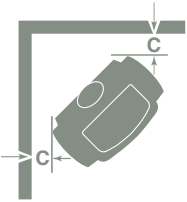
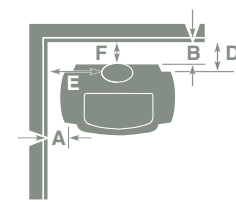
PLEASE NOTE: These instructions are not intended for installation purposes. Please refer to the product manual for complete installation details.

PRODUCT DIMENSIONS



ENCORE® FLEXBURN™ WOOD BURNING STOVE

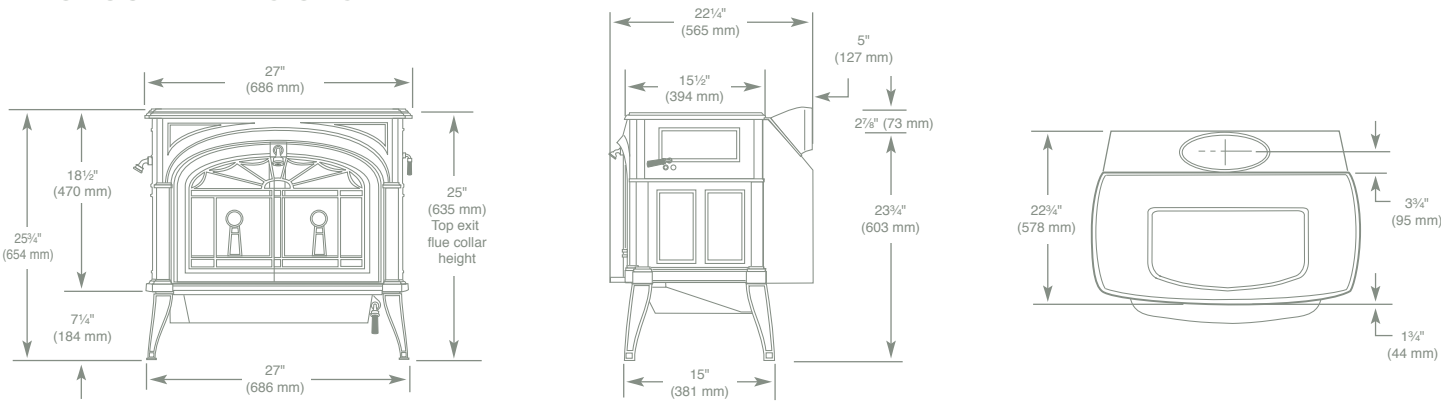
CLEARANCE CHART FOR 6" CONNECTIONS ONLY¹

		UNPROTECTED SURFACE			PROTECTED SURFACE <sup>2</sup>		
		TOP VENT		REAR VENT	TOP VENT		REAR VENT
		Single wall	Double wall	—	Single wall	Double wall	—
SIDE (A)	Wall to side edge of cast iron top	19" (483 mm)	18" (458 mm)	22" (559 mm)	6" (153 mm)	—	11" (280 mm)
SIDE (B)	Wall to back of rear heat shield	15" (381 mm)	7" (178 mm)	12" (305 mm)	6" (153 mm)	—	12" (305 mm)
SIDE (C)	Wall to corner of cast iron top	16" (407 mm)	12" (305 mm)	—	12" (305 mm)	5" (127 mm)	—
SIDE (D)	Wall to rear edge of cast iron top	22" (559 mm)	14" (356 mm)	19" (483 mm)	13" (254 mm)	—	19" (483 mm)
SIDE (E)	Side wall to center of flue collar	32.5" (826 mm)	31.5" (801 mm)	35.5" (902 mm)	18.5" (470 mm)	—	24.5" (623 mm)
SIDE (F)	Rear wall to center of flue collar	18.25" (464 mm)	10.25" (261 mm)	—	9.25" (235 mm)	—	—
		UNPROTECTED SURFACE			PROTECTED SURFACE		
							
		Stove parallel to wall		Stove in corner		Stove parallel to wall	

1. Using listed double wall oval to 6" round connector; all installations require supplied rear heat shield, flue collar shield and bottom heat shield.  
2. Must use connector pipe heat shield and it must extend 36" (914 mm) above flue collar.

PLEASE NOTE: These instructions are not intended for installation purposes. Please refer to the product manual for complete installation details.

PRODUCT DIMENSIONS



# AVAILABLE IN TWO DIFFERENT SIZES

	DEFIANT® FLEXBURN™	ENCORE® FLEXBURN™
HEATING CAPACITY	Up to 14 Hours of Continuous Heat	Up to 12 Hours of Continuous Heat
	2,400 sq. ft.	1,800 sq. ft.
	75,000 BTUs	65,000 BTUs
FIREBOX CAPACITY	Accommodates 24" Logs	Accommodates 22" Logs
	Up to 75 lbs of Fuel	Up to 50 lbs of Fuel
	3.2 cu. ft.	2.3 cu. ft.
EFFICIENCY	CAT Mode: 84% at 1.1 g/hr	CAT Mode: 86% at 1.2 g/hr
	Non-CAT Mode: 76% at 2.3 g/hr	Non-CAT Mode: 78% at 1.5 g/hr
ADDITIONAL FEATURES	Exclusive CAT and Non-CAT Combo	Exclusive CAT and Non-CAT Combo
	Exclusive Thermostatic Control	Exclusive Thermostatic Control
	Gasket Sealing	Gasket Sealing
	Exclusive Smooth Glide Door Latching System	Exclusive Smooth Glide Door Latching System
	Limited Lifetime Warranty	Limited Lifetime Warranty
INSTALLATION	Top or Rear Exit	Top or Rear Exit
	Reduced Clearance Required	Reduced Clearance Required
	8" Oval Reversible Flue Collar	6" Flue Collar
	Leg Levelers	Leg Levelers
	Weight: 518 lbs	Weight: 471 lbs
	32¾" W x 28⅞" H x 23¾" D	27" W x 25¾" H x 22¾" D
AVAILABLE ACCESSORIES	Blower	Blower
	Warming Shelf	Warming Shelf
	Outdoor Venting Kit	Outdoor Venting Kit
AVAILABLE COLORS	<div><div> ENAMEL BISCUIT</div><div> ENAMEL EBONY BLACK</div><div> ENAMEL BORDEAUX</div><div> MAJOLICA BROWN</div><div> CLASSIC BLACK</div></div>	



THE ART OF WARMING YOUR HOME

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vermontcastings.com

YOUR VERMONT CASTINGS DEALER:



**OMNI CERTIFIED** OMNI's product testing programs are accredited by national and international accreditation bodies, including the American National Standards Institute (ANSI), the Standards Council of Canada (SCC), the International Accreditation Service, Inc. (IAS), and the U.S. Environmental Protection Agency (EPA).



Warning: Hot glass will cause burns. Do not touch glass until cooled. Never allow children to touch glass.

FPO  
for FSC  
certification mark

To avoid personal injury or property damage, the product described by this brochure must be installed, operated and maintained in strict compliance with the instructions packaged with the product and all applicable building or fire codes. Contact local building or fire officials about restrictions and installation inspection requirements. All photographs and drawings on this brochure are for illustrative purposes only and are not intended for, nor should they be used as a substitute for the instructions packaged with the unit. Appearance and specifications of the product are subject to change without notice.  
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