

**QUADRA-FIRE**  
NOTHING BURNS LIKE A QUAD

WOOD STOVES



BOLD PERFORMANCE



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# A HERITAGE OF INDEPENDENCE.

A blazing fire. Soothing warmth. The crackling wood. There's lots of ways to heat a home, but nothing can compare to the satisfaction of a real wood fire. Energy prices continue to rise, and when your neighbors are turning down their thermostats, you just throw another log on the fire. That's the independent spirit of Quadra-Fire.

Quadra-Fire offers nine wood stove models in a wide range of sizes, styles, and colors. Whether you have a cabin or a castle, there's a Quadra-Fire ready to keep it warm.





## PERFORMANCE. DURABILITY. CONTROL.

A Quadra-Fire wood stove is built to **squeeze every Btu** of heat out of your firewood. Our patented four-point combustion technology creates beautiful fire, unmatched efficiency and clean burn that has made Quadra-Fire famous. In fact, for **20 straight years**, Quadra-Fire has produced the cleanest-burning line of non-catalytic wood stoves available, as rated by the EPA. Being environmentally-friendly **isn't a trend** for us – **it's the tradition** we are built on.

Quadra-Fire wood stoves are made with heavy-gauge steel, welded for a lifetime of dependable service. Maintenance is simple, and there's no catalyst to replace, so you can be confident using your new Quadra-Fire as your primary heat source – **all day, every day, for years to come.**

**Fire is a primal force of nature.** A Quadra-Fire contains that power, controls it, and puts it to work. Precision air controls let you start a fire quickly with minimum interaction, then decide if you want to keep it blazing or slow it down for a steady, long-term burn. Either way, the stove's responsiveness and reliability will keep your home and family warm on a cool fall evening or frigid winter night.

Wood heat is the right choice for the environment, too. Using a **renewable resource** strengthens our energy independence and conserves valuable resources. Since burning wood only releases the carbon the tree absorbed while growing, there's no impact on greenhouse gases. In fact, whether wood burns or decomposes, the same amount of carbon is released. So, light up your wood stove and be comfortable with your choices, as well as staying warm.





2100 Millennium



4300 Millennium



Primary Air Control



Start-up Control



## THE MILLENNIUM SERIES

Quadra-Fire wood stoves are built to be put to work every day. Thick plate steel and heavy duty hinges show the durable construction used in every component. The fully-welded, brick-lined firebox ensures years of reliable and safe operation. A large, arched door opening allows larger wood pieces to be loaded safely and easily.

Front-to-back wood loading is another advantage for Quadra-Fire. It's safer because it eliminates the need to reach into the firebox when adding wood, and prevents the wood from rolling out accidentally. Also, air flow is unrestricted around and between the logs, so responsiveness and efficiency are improved.

### STANDARD FEATURES

- High temperature classic black finish with gold accents
- Pedestal
- Precision air controls with labels for easy operation
- Automatic Combustion Control for easy lighting
- Patented four-point Quadra-Fire combustion system
- Durable welded steel construction
- Convection heat shields
- Easy & safe front-to-back log loading
- Mobile home approved

### OPTIONS

- Door upgrade kit in satin nickel (spring handle and hinge pins)
- Convection blower with adjustable speed and temperature switch (160 cfm)
- Outside Air Kit



3100 Millennium

## AUTOMATIC COMBUSTION CONTROL

Heating with wood is easier than ever. Quadra-Fire's exclusive Automatic Combustion Control (ACC) is a whole new approach to controlling a fire. Load the wood, light the kindling, and set the heat level you need. The ACC system will provide the extra air needed to get the fire roaring, then automatically close down for a long sustained fire. The heat output is better regulated, providing more consistent heat with less attention needed. The result is more controllable heat output, cleaner emissions, and higher efficiency than ever available before in a wood burning appliance.



3100 Step Top



4300 Step Top



Swing ARS handle down and back for cleaning



Large Capacity Ash Drawer



## STEP TOP ADVANTAGES

The three Step Top models offer all the performance of the Millennium series, and add several desirable advantages. The most apparent is the classic two-level top, allowing for different cooking temperatures while providing an efficient heat exchange chamber for improved heat transfer. Each model can be customized with a choice of gold or satin nickel door trims, matching Queen Anne legs, or a sturdy black pedestal.

The Step Top series also offers an ash removal system for easy, mess-free clean-up. Clean your Quadra-Fire only when the stove is cool, and store ashes in a sealed metal container before disposal to extinguish all hot coals.

### STANDARD FEATURES

- High temperature classic black finish with gold accents
- Precision air controls with labels for easy operation
- Automatic Combustion Control for easy lighting (3100 and 4300)
- Ash Removal System (3100 and 4300)
- Patented four-point Quadra-Fire combustion system
- Durable welded steel construction
- Convection heat shields
- Easy & safe front-to-back log loading
- Mobile home approved

### OPTIONS

- Arched cast iron door in classic black, gold trim or satin nickel trim
- Pedestal base
- Queen Anne legs in black, gold, or satin nickel
- Ash Removal System (5700)
- Door upgrade kit in satin nickel (includes spring handles and hinge pins)
- Convection blower with adjustable speed and temperature switch (160 cfm)
- Outside air kit



5700 Step Top

## MAXIMUM CONTROL

Every Quadra-Fire wood stove offers dual air controls for precise control and responsiveness. The start-up control is opened for the extra air to get the fire roaring, and then closed down for a long consistent burn. The primary air control sets the desired heat level. The 3100 and 4300 Step Top models add the same Automatic Combustion Control (ACC) as the Millennium models. The result is a clean and efficient fire burning just the way you want it.



Isle Royale



Cumberland Gap



Top Load Door, available on Isle Royale



Side Load Door, available on Cumberland Gap and Yosemite



## CAST-IRON CHARM

Quadra-Fire's handsome cast iron wood stoves are expertly crafted with the styling you expect in fine furnishings, and engineered with the performance you demand from a top quality appliance. The timeless appeal of cast iron is available in a traditional black finish or elegant mahogany porcelain enamel. Cabinet-style double front doors on the Cumberland Gap and Isle Royale, and a single front door on the Yosemite, provide a beautiful view of Quadra-Fire's signature rolling fire. Optional firescreens are available for each, so you can safely leave the front doors open to fully appreciate the sights and sounds of a roaring fire in these freestanding fireplaces.

### STANDARD FEATURES

- Additional side-load door (Yosemite and Cumberland Gap)
- Top-load door (Isle Royale)
- Classic black finish
- Safe-touch handles
- Welded steel firebox (Yosemite and Cumberland Gap)
- Top or rear vent
- Patented four-point Quadra-Fire combustion system
- Ash Removal System
- Mobile Home Approved

### OPTIONS


- Mahogany porcelain finish
- Firescreen
- Outside air kit
- Convection blower with adjustable speed (160 cfm)
- Warming Shelves (Isle Royale)
- Warming shelf brackets and mitten rods in gold or black (Isle Royale)

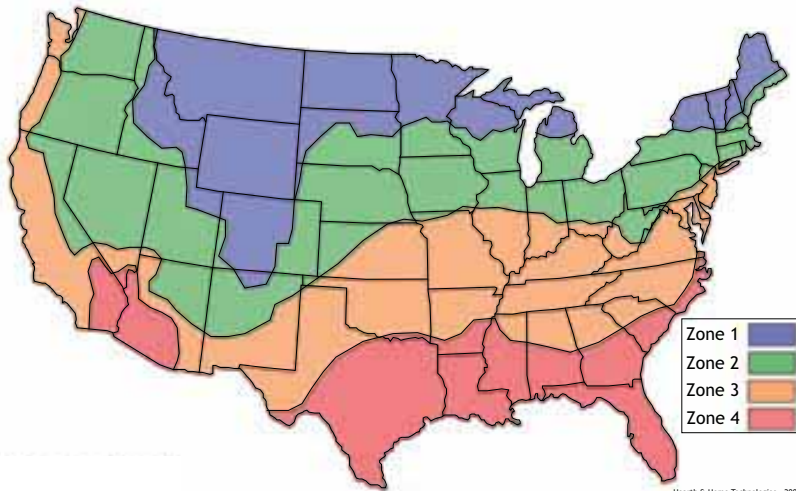


Yosemite

## SAFE AND EFFICIENT

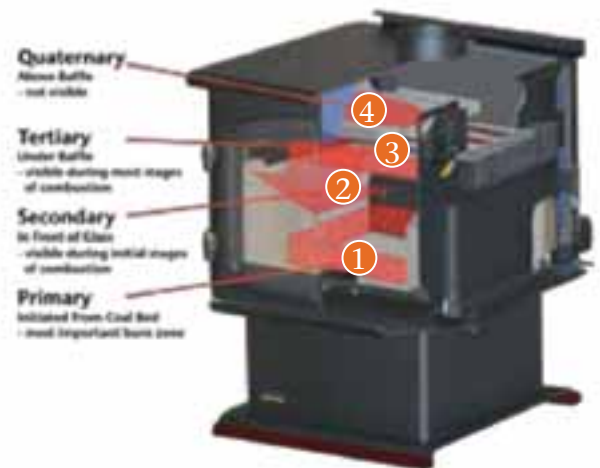
The impressively large Isle Royale features a generous 3.0 cubic foot firebox and ingenious top-load/bypass system, allowing for the convenience of both top and front loading. The Yosemite and Cumberland Gap can be loaded through the front door, and offer the added safety and ease of a side-load door. All three models include an ash-removal system for easy cleaning and a fully welded steel firebox for lasting durability. Exclusive Advanced Combustion Technology (ACT) provides rapid responsiveness and maximum heat control, and creates the high efficiency and clean burn that makes Quadra-Fire famous.

	WOOD STOVES SPECIFICATIONS									
	Technical Data				Performance					
	Width (inches)	Height (inches)	Depth (inches)	Weight (lbs)	Peak Btu/hr (On High)	Max. Burn Time (On Low)	Firebox Capacity (cu. ft.)	Max. Log Length	Emissions (g/hr)	Efficiency
<b>2100 Millennium</b>	23-3/8	28	24-5/16	300	40,800	6.7-8.9 hrs	1.46	18"/16" Ideal	2.1	78.15%
<b>3100 Millennium</b>	25	30	25-11/16	325	51,100	9.3-12.5 hrs	2.0	18"/16" Ideal	1.1	79.51%
<b>4300 Millennium</b>	26	31	28-11/16	355	56,000	11.1-14.9 hrs	2.4	20"/18" Ideal	1.1	79.82%
<b>3100 Step Top</b>	25	34-1/4	26-11/16	325	51,000	9.3-12.5 hrs	2.0	18"/16" Ideal	1.1	79.51%
<b>4300 Step Top</b>	26	34-3/4	28-7/16	357	56,000	11.1-14.9 hrs	2.4	20"/18" Ideal	1.0	79.8%
<b>5700 Step Top</b>	26-5/8	38-3/4	33-1/16	515	78,400	15.7-21.1 hrs	3.44	24"/22" Ideal	4.13	76%
<b>Yosemite</b>	23-3/8	28	24-5/16	365	42,500	7.2-9.6 hrs	1.45	18"	2.69	Up to 75%
<b>Cumberland Gap</b>	26-7/8	27-11/16	27-15/16	462	63,900	11.7-15.7 hrs	2.39	20"	3.44	Up to 74%
<b>Isle Royale</b>	29	30	22-3/4	480	66,700	14.5-19.4 hrs	3.0	22"	2.9	Up to 73%



Does not take into consideration micro-climates within a zone.

Hearth & Home Technologies - 2006



### HEAT CAPACITY BY ZONE

Product	Steady Btu/Hr Output	Zone 1	Zone 2	Zone 3	Zone 4
<b>2100 Millennium</b>	16,000	975	1,100	1,250	1,400
<b>3100 Series</b>	20,000	1,325	1,525	1,700	1,900
<b>4300 Series</b>	25,000	1,800	2,050	2,250	2,550
<b>5700 Step Top</b>	30,000	2,250	2,575	2,850	3,175
<b>Yosemite</b>	16,000	975	1,100	1,250	1,400
<b>Cumberland Gap</b>	25,000	1,800	2,050	2,250	2,550
<b>Isle Royale</b>	28,000	2,050	2,350	2,625	2,925

Zone measurements in square feet. Heating capacity (in square feet) is a guideline only and may differ slightly due to climate, building construction and condition, amount and quality of insulation, location of the heater, and air movement in the room. Btus will vary depending on the type of fuel used.

### FOUR FIRES

The patented four-point combustion system that gives Quadra-Fire its name achieves its secondary burn process (in other words, burns the smoke) in four distinct zones of the firebox. This results in cleaner air, less chimney maintenance and fewer trips to the wood pile.

- HOT FAST FIRES** Air flows into the heart of the fire.
- CLEAR VIEW** Shield of air behind door aids combustion and keeps glass clean.
- AMAZING CEILING OF FIRE** Superheated air ignites flammable gases rising from the wood.
- SUPER CLEAN BURN** Remaining impurities are burned above the baffle before they can escape up the chimney.

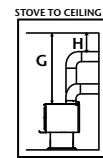
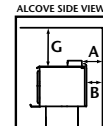
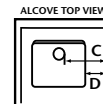
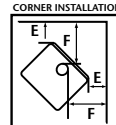
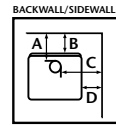
# MILLENNIUM MODELS

## MODEL CLEARANCES

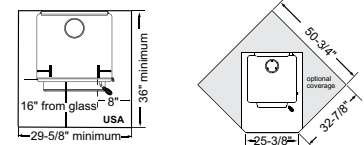
2100  
Millennium



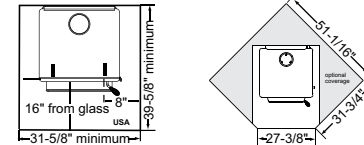
	Full Vertical		Horizontal*		Alcove
	Single Wall	Double Wall	Single Wall	Double Wall	Double Wall
A	15	8.75	14	9.5	9.5
B	11	5.75	10	5.5	5.5
C	21.5	20	20.5	21.5	21.5
D	13	10.5	12	13	13
E	8.5	7.5	8.5	7.5	N/A
F	17	16	17	16	N/A
G	56	43	56	43	43
H	N/A	N/A	9.5	5	5



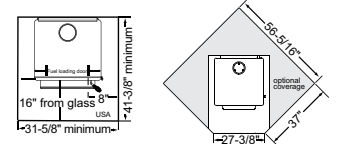
## FLOOR PROTECTION



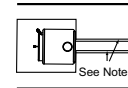
Minimum (doesn't touch wall) 29-5/8" x 36"  
 Recommended (touches wall) 29-5/8" x 41-3/4"  
 Corner (touches wall) 50-3/4" x 50-3/4"



Minimum (doesn't touch wall) 31-5/8" x 39-5/8"  
 Recommended (touches wall) 31-5/8" x 46-1/8"  
 Corner (touches wall) 51-1/16" x 51-1/16"



Minimum (doesn't touch wall) 31-5/8" x 39-5/8"  
 Recommended (touches wall) 31-5/8" x 46-5/8"  
 Corner (touches wall) 56-5/16" x 56-5/16"



Note: Protection must extend 2" beyond each side of pipe.  
 USA - Required, Canada - recommended

**READ BEFORE YOU INSTALL:** Refer to the Owner/Installation Manual for complete clearance requirements and specifications.

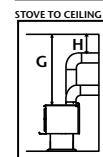
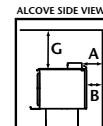
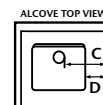
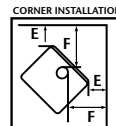
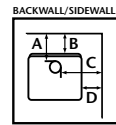
# STEP TOP MODELS

## MODEL CLEARANCES

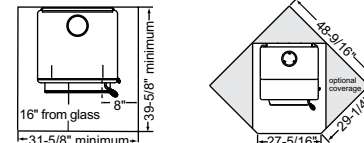
3100  
Step Top



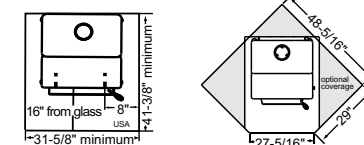
	Full Vertical or Horizontal*		90° Elbow**		Alcove
	Single Wall	Double Wall	Single Wall	Double Wall	Double Wall
A	12	10	10	10	10
B	8.5	6	6	6	6.5
C	22	20.5	20.5	20.5	20.5
D	12.5	11	11	11	11
E	5.5	4	5.5	4	N/A
F	14.5	13	14.5	13	N/A
G	48	48	48	48	48
H	12	9	12	9	†



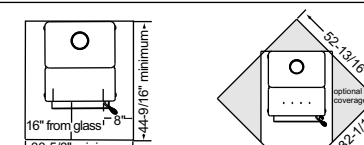
## FLOOR PROTECTION



Minimum (doesn't touch wall) 31-5/8" x 39-5/8"  
 Recommended (touches wall) 31-5/8" x 45-5/8"  
 Corner (touches wall) 48-9/16" x 48-9/16"



Minimum (doesn't touch wall) 31-5/8" x 41-3/8"  
 Recommended (touches wall) 31-5/8" x 46-5/8"  
 Corner (touches wall) 48-5/16" x 48-5/16"



Minimum (doesn't touch wall) 33-5/8" x 44-9/16"  
 Recommended (touches wall) 33-5/8" x 49-9/16"  
 Corner (touches wall) 52-13/16" x 52-13/16"

\* With minimum 2-foot vertical off stove top. \*\* Off top of stove through back wall. † See pipe manufacturer clearances. Not tested.

# CAST IRON MODELS

## MODEL CLEARANCES



	Full Vertical		Horizontal*		90° Elbow**		Alcove	Rear Vent‡	
	Single Wall	Double Wall	Single Wall	Double Wall	Single Wall	Double Wall		Double Wall	Double Wall
A	12.5	10.5	13.5	11.5	13.5	11	11.5	N/A	
B	9	7	10	8	10	7.5	8	4	
C1	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	
C2	25.6	25.5	25.5	25.5	25.5	25.5	25.5	25.5	
D1	10	10	10	10	10	10	10	10	
D2	16	16	16	16	16	16	16	16	
E1	14	7	N/A	N/A	N/A	N/A	N/A	N/A	
E2	16	16	N/A	N/A	N/A	N/A	N/A	N/A	
F1	18.5	11.5	N/A	N/A	N/A	N/A	N/A	N/A	
F2	20.5	20.5	N/A	N/A	N/A	N/A	N/A	N/A	
G	59	59	59	59	59	59	42	30 (ceiling) 21 (mantel)	
H	N/A	N/A	18	18	N/A	N/A	N/A	N/A	

\*min 2" vertical off stove top. \*\* off stove top through back wall. ‡ in a masonry fireplace or through the wall. Horizontal heat shield required.



	Full Vertical		Horizontal*		Alcove	Rear Vent‡	Hearth Mount†
	Single Wall	Double Wall	Single Wall	Double Wall			
A	13	12	13.5	11	12	N/A	18
B	11.5	10.5	12	9.5	10.5	12	10
C1	27	25	27	27	25	27	22
C2	27	26	27	27	26	27	31
D1	18	15	17	17	15	17.5	N/A
D2	18	16	17	17	16	17.5	N/A
E1	16.5	11	N/A	N/A	N/A	N/A	N/A
E2	16.5	16	N/A	N/A	N/A	N/A	N/A
F1	20	14	N/A	N/A	N/A	N/A	N/A
F2	20	19	N/A	N/A	N/A	N/A	N/A
G	56.5	56.5	42.5	39	44	39 (ceiling) 31 (mantel)	N/A
H	N/A	N/A	10.5	8	N/A	N/A	N/A

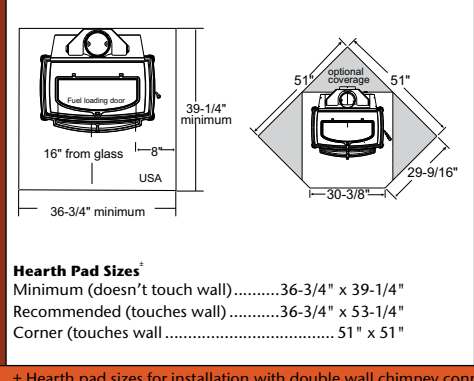
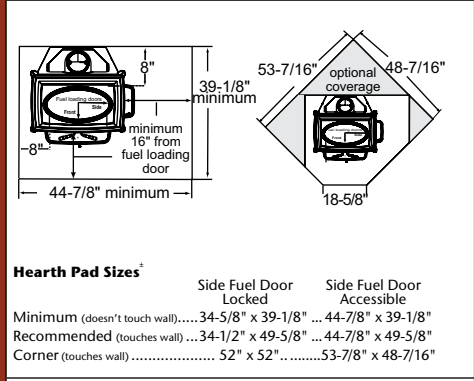
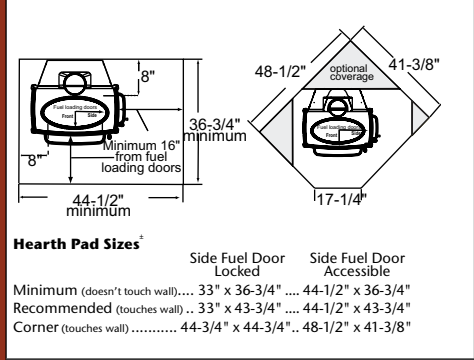
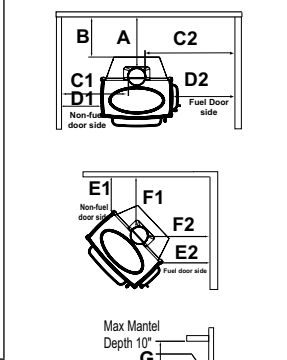
\*min 2" vertical off stove top. ‡ in a masonry fireplace or through the wall. Horizontal heat shield required. † side door must be locked closed.



	Top Vent		Alcove	Rear Vent*
	Single Wall	Double Wall		
A	15	13	13	N/A
B	16	14	14	N/A
C	33	29	29	22
D	22	18	18	N/A
E	22	6	N/A	N/A
F	28	12	13	N/A
G	53	53	53	36 ceiling 14 mantel
H	18	18	18	N/A
I	16	14	14	14 0 in masonry wall

\*in masonry fireplace or through wall

## FLOOR PROTECTION



**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.

± Hearth pad sizes for installation with double wall chimney connector



Available From:

**Quadra-Fire Warranty\*\***  
The strongest in the industry, Quadra-Fire provides a comprehensive warranty on wood-burning products to be free from defects in materials and workmanship.  
\*\*For full warranty details go to [www.quadrafire.com](http://www.quadrafire.com)



Visit our Web site at [www.quadrafire.com](http://www.quadrafire.com)

Quadra-Fire is a registered trademark of Hearth & Home Technologies. Product specifications and pricing subject to change without notice. All Quadra-Fire wood appliances are covered by US Patents Nos. 4,766,876, 5,113,843, 5,341,794, and other patents pending.