

ACC WOOD INSERTS | FOR FIREPLACES



**QUADRA-FIRE**

PERFORMANCE



Cover: Voyageur Grand in black finish with full cast surround

Above: 4100i shown with satin nickel trim kit and standard size cast trim surround.

## PERFORMANCE

With Quadra-Fire®, performance is king. These wood inserts deliver robust heating in a variety of attractive shapes and sizes. The patented Four-Point Burn System and Automatic Combustion Control (ACC) produce intense, rolling flames with unrivaled efficiency. For performance, easy operation and most durable products available, turn to Quadra-Fire.

Automatic Combustion Control and the Four-Point Burn System are both integral parts of every Quadra-Fire wood insert.

### AUTOMATIC COMBUSTION CONTROL

Automatic Combustion Control (ACC) is an advanced heat-management technology from Quadra-Fire. ACC feeds the fire with air when it's needed most—for precision start-up and consistent, extended burns.

To learn more visit [quadrafire.com](http://quadrafire.com).

### FOUR-POINT BURN SYSTEM

The patented Quadra-Fire Four-Point Burn System produces intense rolling flames. Four combustion cycles extend the heat, enhance the fire and increase efficiency for durable, long-lasting performance.

To learn more visit [quadrafire.com](http://quadrafire.com).

# ACC WOOD INSERTS

## VOYAGEUR GRAND

The Voyageur Grand is the latest wood-burning insert from Quadra-Fire. It harnesses proven technology to achieve long, clean burns and powerful heat production. Heavy-duty cast iron construction and accelerated lifecycle testing make the Voyageur Grand a rugged heating option.

Voyageur Grand shown in black with full cast surround.



## VOYAGEUR

The Voyageur cast iron wood insert features a flush front with elegant lines and a large, unobstructed viewing area. It uses advanced technology—so you can sit back and enjoy the performance and the knowledge that your roaring, carbon-neutral fire is lowering your heating bills.

Voyageur shown in porcelain mahogany with full cast surround.



## 5100i

This high-efficiency wood insert transforms an ordinary fireplace into a powerful heat source. Durable construction and Automatic Combustion Control (ACC) help the 5100i burn up to 14 hours with one load of wood.

5100i shown with satin nickel trim kit and standard size surround with satin nickel trim.



# ACC WOOD INSERTS

## 4100i

Cast iron construction, a unique three-sided view and Automatic Combustion Control (ACC) combine to make the 4100i an impressive heating option. A variable speed fan helps manage burn rates and heat output.

4100i shown with satin nickel trim kit and standard size cast trim surround.



## 3100i

The 3100i blends rugged Quadra-Fire quality with advanced Automatic Combustion Control (ACC). Traditional styling with multiple finishing options help accent your décor.

3100i shown with rectangular door, black side panels and standard size surround with black trim.



## 2700i

This compact wood insert is built for clean, durable performance. Attractive cast iron styling and Automatic Combustion Control (ACC) bolster impressive heating power. A small footprint offers more installation options—and can help heat an entire level.

2700i shown with satin nickel trim and standard size surround with satin nickel trim.

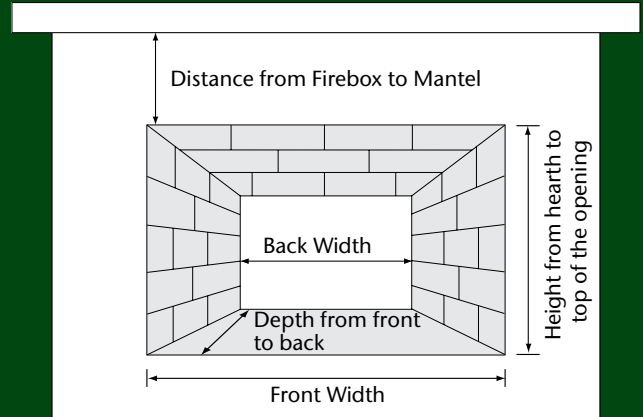


# A NEW FIREPLACE IN FOUR EASY STEPS

- 1) Measure your existing fireplace
- 2) Choose your insert
- 3) Select your surround
- 4) Customize your insert

## STEP 1 MEASURE YOUR EXISTING FIREPLACE

The width, height and depth of the existing fireplace opening is needed to identify and select a properly-sized insert.



## STEP 2 CHOOSE YOUR INSERT

Selecting an insert consists of two main factors. Keep these in mind and you're sure to make a solid choice.

- Consider the size of your existing fireplace opening. Try and fill that space.
- Consider how your insert will be used. Room size, heating needs and usage frequency all come into play.

### Voyageur Grand



Voyageur Grand in black with cast surround

#### Features

- Automatic Combustion Control (ACC)
- 2.35 cu. ft. firebox capacity
- Up to 12 hours of burn time with each load of wood
- Cast iron finish
- Designed to install flush into the wall
- 140 CFM fan kit

#### Options

- Surround panels
  - Cast surround in black or porcelain mahogany
  - Black metal surround with black or satin nickel trim
- Outside air kit

### Voyageur



Voyageur in porcelain mahogany with cast surround

#### Features

- Automatic Combustion Control (ACC)
- 1.83 cu. ft. firebox capacity
- Up to 10 hours of burn time with each load of wood
- Cast iron finish
- Designed to install flush into the wall
- 140 CFM fan kit

#### Options

- Surround panels
  - Cast surround in black or porcelain mahogany
  - Black metal surround with black or satin nickel trim
- Outside air kit

# ACC WOOD INSERTS

## 5100i



5100i with black standard door and standard surround with black trim

### Features

- Automatic Combustion Control (ACC)
- 3.0 cu. ft. firebox capacity
- Up to 14 hours of burn time with each load of wood
- Unique 3-sided viewing
- 140 CFM fan kit

### Options

- Satin nickel door trim
- Two surround sizes: black or satin nickel trim
- Door upgrade kit in satin nickel
- Adjustable hearth support

## 4100i



4100i shown in black with satin nickel trim and basic standard surround

### Features

- Automatic Combustion Control (ACC)
- 2.43 cu. ft. firebox capacity
- Up to 12 hours of burn time with each load of wood
- Variable speed blower
- 140 CFM fan kit

### Options

- Satin nickel door trim
- Two surround styles: basic surround with black or satin nickel trim, or cast iron trim surround in black
- Adjustable hearth support

## 3100i



3100i shown in black with rectangular door, black side panels and standard surround with black trim

### Features

- Automatic Combustion Control (ACC)
- 1.90 cu. ft. firebox capacity
- Up to 10 hours of burn time with each load of wood
- Unique bay design

### Options

- Two door styles: arched in black, or with satin nickel trim, or rectangular in black
- Two surround sizes with black or satin nickel trim
- Side panels with built-in variable speed 140 CFM fan; available in black or satin nickel trim kit (required to complete insert, sold separately)
- Door upgrade kit in satin nickel
- Outside air kit

## 2700i



2700i shown with satin nickel trim door, door upgrade kit and standard surround with satin nickel trim

### Features

- Automatic Combustion Control (ACC)
- 1.75 cu. ft. firebox capacity
- Up to 8 hours of burn time with each load of wood
- Designed for factory-build fireplace installations
- Fits in ZC fireboxes (min. 19" high)
- 140 CFM fan kit

### Options

- Two door styles: arched in black, or with satin nickel trim, or rectangular in black
- Two surround sizes with black or satin nickel trim
- Door upgrade kit in satin nickel
- Adjustable hearth support
- Outside air kit

## STEP 3 CHOOSE YOUR SURROUND

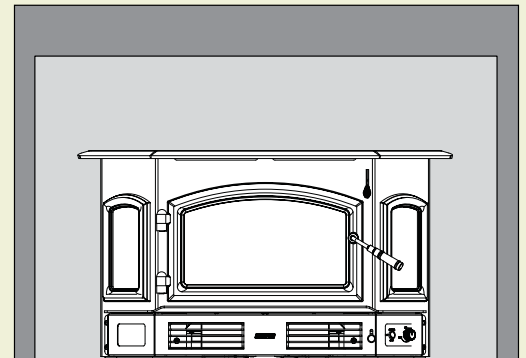
Surrounds remove the gap between the fireplace insert and existing fireplace opening. Choose from numerous sizes and styles for a unique look.

### Voyageur Grand / Voyageur Surrounds

SURROUND	VOYAGEUR GRAND	VOYAGEUR
Cast Standard	44"W x 33"H	40"W x 30"H
Metal Standard	43"W x 31"H	43"W x 31"H
Metal Large	51"W x 34"H	51"W x 34"H

### 5100i / 4100i / 3100i / 2700i Surrounds

SURROUND	5100i	4100i	3100i	2700i
Metal Standard	43"W x 31"H	43"W x 31"H	43"W x 31"H	43"W x 31"H
Metal Large	51"W x 34"H	51"W x 34"H	51"W x 34"H	51"W x 34"H



□ STANDARD SURROUND □ LARGE SURROUND



**Cast Surround**  
Available for the Voyageur Grand and Voyageur in black or porcelain mahogany



**Metal Surround**  
Available for Voyageur Grand, Voyageur, 5100i, 4100i, 3100i, and 2700i in black with optional black or satin nickel trim

## STEP 4 CUSTOMIZE YOUR INSERT

Make it your own. Select stunning finish options and decorative details.

### VOYAGEUR GRAND / VOYAGEUR FINISH OPTIONS

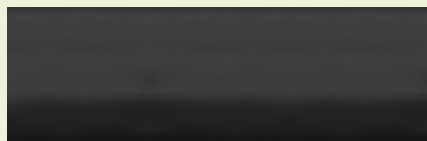


Black



Porcelain Mahogany

### DOOR & METAL SURROUND TRIM OPTIONS



Black - surround only  
(no door trim)



Satin Nickel - door and surround trim  
(metal surround trim only on Voyageur Grand / Voyageur)

### 5100i / 3100i / 2700i DOOR OPTIONS



**Arched Door**  
Available in black, or black with satin nickel trim

**Door Upgrade Kit**  
Air Control handle (5100i only) and hinge pins available in satin nickel trim



**Rectangular Door**  
Available in black for the 3100i or 2700i



# SPECIFICATIONS

	Technical Data						Performance				
	Width Fireplace Opening	Width Back of unit	Height Fireplace Opening	Actual Depth Into Fireplace	Extension onto Hearth	Ship Weight	Maximum Burn Time	Firebox Capacity	Max. Log Length	Emissions	Efficiency <sup>1</sup>
Voyageur Grand	32-5/8"	23-3/4"	23-1/2"	17-15/16"	2"	398 lbs.	12 hrs.	2.35 cu. ft.	20" max/ 18 ideal	3.2 g/hr	78.4%
Voyageur	29-3/16"	19-1/8"	21-1/2"	18-1/8"	2"	355 lbs	10 hrs	1.87 cu. ft.	18" max/16" ideal	4.1 g/hr	77.0%
5100i	29-1/16"	25-1/2"	21-1/4"	17-9/16"	11-3/4"	480 lbs	14 hrs	3.00 cu. ft.	20" max/18" ideal	4.2 g/hr	79.1%
4100i	30"	24"	21"	16-1/4"	10-9/16"	345 lbs	12 hrs	2.43 cu. ft.	18" max/16" ideal	4.3 g/hr	78.5%
3100i	27-5/8"	23-13/16"	21-1/2"	14-1/4"	7-3/4"	345 lbs	10 hrs	1.90 cu. ft.	18" max/16" ideal	2.0 g/hr	78.3%
2700i	28-15/16"	18-5/8"	22-1/16"*	17-1/4"	5-1/8"	295 lbs	8 hrs	1.85 cu. ft.	18" max/16" ideal	3.5 g/hr	78.8%

\*Fireplace opening height for masonry fireplace. See below for factory built zero clearance requirement.

## CLEARANCES

Insert	A	B	C	D	E	F	Clearance Diagram
Voyageur Grand	21-7/8"	25-3/4"	23-3/4"	11-3/4"	US - 16" CAN - 18"	US - 8" CAN - 12"	
Voyageur	20-1/2"	29"	22"	10-1/2"	US - 16" CAN - 18"	US - 8" CAN - 12"	
5100i	23-1/2"	27-1/2"	24-1/2"	18-1/2"	US - 16" CAN - 18"	US - 8" CAN - 12"	
4100i	22-1/8"	23"	21"	12-1/2"	US - 16" CAN - 18"	US - 8" CAN - 12"	
3100i	21-1/2"	31"	22"	15"	Floor height 0-6-1/2": 18" US and CAN Floor height >6-1/2": 16" US, 18" CAN	US - 8" CAN - 12"	
3100i w/8" mantel deflector		21"	21"				
2700i	19-3/4"	21-1/2"	14"	13"	Floor height 0-3-1/2": 18" US and CAN Floor height >3-1/2": 16" US, 18" CAN	US - 8" CAN - 12"	

## FACTORY BUILT ZERO CLEARANCE

Measurement*	Voyageur Grand	Voyageur	5100i	4100i	3100i	2700i
Minimum width of cavity opening - front	32-7/8"	32-7/8"	29-1/6"	30"	29-1/16"	32-1/16"
Minimum width of cavity opening - rear	24"	19-1/8"	25-1/2"	24"	25-1/2"	20"
Minimum height	24"	21-1/2"	21-1/4"	21"	21-1/2"	18-11/16"
Minimum depth from front to rear	18"	18-1/8"	17-9/16"	16-1/4"	17-9/16"	17-1/4"

\*Need to add clearances for your individual installation.

## HEATING CAPACITY

	Voyageur Grand	Voyageur	5100i	4100i	3100i	2700i
Peak BTU/Hr Output*	58,600	49,100	67,800	60,500	53,600	38,500
Heating Capacity* (sq. ft.)	1,100 - 2,800	900 - 2,400	1,200 - 3,100	1,100 - 2,800	1,000 - 2,500	900 - 2,300

\*See your local Quadra-Fire authorized dealer for help in determining the product that best suits your heating needs based on climate and home efficiency. BTU/hr output: 1st hour output uses high burn efficiency number. BTU/hr output will vary depending on the type of fuel used and moisture content of the fuel.

Available From:



Web: [www.quadrafire.com](http://www.quadrafire.com)  
Phone: 800-926-4356

- [facebook.com/QuadraFire](https://facebook.com/QuadraFire)
- [twitter.com/QuadraFire](https://twitter.com/QuadraFire)
- [youtube.com/QuadraFirePower](https://youtube.com/QuadraFirePower)

### Limited Lifetime Warranty\*\*

The strongest in the industry, Quadra-Fire provides a limited lifetime warranty on the most important aspects: firebox and heat exchanger.

\*\* For full warranty details go to [www.quadrafire.com](http://www.quadrafire.com)

1: Weighted average LHV (Low Heating Value) efficiency.

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.

Quadra-Fire 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.quadrafire.com/fireplacesafety](http://www.quadrafire.com/fireplacesafety)

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