



PELLET INSERTS

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



**QUADRA-FIRE®**

# **PERFORMANCE FROM THE BEGINNING**



Founders Alan Trusler and Dan Henry spent countless nights in the lab, determined to harness the powerful force of fire in ground-breaking new ways. In 1990 they introduced the first self-igniting pellet stove using Original Energy Technology, followed in 1996 by the most advanced pellet stove seen using Advanced Energy technology. In 2014 Quadra-Fire launched Efficient Energy technology. The tradition lives on through these pellet appliances.

## **WHY QUADRA-FIRE**

For more than 30 years, Quadra-Fire has put performance and easy operation above all else. Today these ideals are vibrant and alive, blending our past with our present. Quadra-Fire products are proudly built to last by our members.

## **WHY PELLETS**

Clean-burning and consistent, pellets are affordable, available and renewable. Automatic thermostats and temperature controls do the work for you—just keep your hopper filled. Pellets are normally available in 40 lb bags. A 1,500 sq ft home will use 2-4 tons per season, on average.

## **WHY AN INSERT**

Quadra-Fire pellet inserts provide an instant upgrade to any hearth, designed to be retrofitted into an existing wood-burning fireplace. Inserts instantly transform your drafty old fireplace into a powerful, efficient and clean burning heat source.

As the fire ignites, it remains clear:  
**NOTHING BURNS LIKE A QUAD.**



*COVER: MT. VERNON E2 INSERT SHOWN IN PORCELAIN MAHOGANY WITH  
METAL SURROUND WITH CAST IRON TRIM IN PORCELAIN MAHOGANY*



# QUADRA-FIRE PELLET INSERTS

Introducing Quadra-Fire's pellet appliances, offering many styles, colors and technologies delivering:

## PERFORMANCE

Get maximum heat and high efficiencies with one of three exclusive technologies offered by Quadra-Fire.

## EASY OPERATION

Eliminate the hassle and save time with Quadra-Fire's fully automatic pellet appliances, simply fill the hopper, set your thermostat and walk away.

Enjoy quick and easy cleaning with Quadra-Fire's patented firepot design.



## EXCLUSIVE TECHNOLOGIES

Innovative technology is at work in every Quadra-Fire. These advancements make it possible to burn pellets more effectively, efficiently, and with more control.

### ADVANCED ENERGY



Advanced Energy (AE) delivers strong, economical heating performance with a 7-day programmable thermostat that constantly monitors

heat levels and automatically controls five heating levels. A patented auto-clean system providing hands-free cleaning and continuous burns with multiple fuels—wood pellets, grain, sunflower seeds.

### EFFICIENT ENERGY



Efficient Energy (E2) technology helps achieve 87% efficiency—saving money by burning less fuel. Plus E2 automatically adjusts

the blower to maintain desired room temperature, and allows five manual heat output settings. Standard programmable wall thermostat allows you to run your appliance based on your personal comfort level all day or up to four different times each day.

### ORIGINAL ENERGY



Original Energy (OE) delivers performance using an aluminum heat exchange system and three heat output settings.

The easy operation of a patented jam-free feed system and easy-clean firepot delivers a reliable heat source. Standard mechanical thermostat allows you to set your target room temperature and walk away.

## FEATURES



### CAST IRON AIRFOIL HEAT EXCHANGER

This cast iron airfoil heat exchanger is the most efficient way to transfer the heat from your appliance to your room.

- » MT. VERNON AE
- » MT. VERNON E2



### ALUMINUM HEAT EXCHANGERS

Easy to clean by simply pulling on the cleaning rods when your appliance is cold.

- » CASTILE
- » CLASSIC BAY 1200
- » SANTA FE



### CAST IRON FIREPOT

The most efficient way to burn pellets, creating temperatures exceeding 1000 degrees assuring the fuel is completely burned leaving only a fine ash behind.

- » MT. VERNON AE
- » MT. VERNON E2
- » CASTILE
- » CLASSIC BAY 1200
- » SANTA FE

## MT. VERNON AE INSERT



Standard: 7-day Programmable  
Wall Thermostat



MT. VERNON AE INSERT SHOWN IN SIENNA BRONZE, WITH METAL SURROUND  
WITH CAST IRON TRIM IN SIENNA BRONZE AND OPTIONAL LOG SET

BTU/hr Input<sup>1</sup>  
**16,800-  
53,300**

Heating Capacity<sup>2</sup>  
**1,300-2,900  
sq ft**

Efficiency<sup>3</sup>  
**76.9%**

Burn Rate  
**1.9-6.2lb/hr**

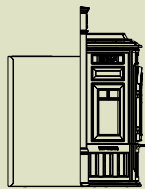
Emissions  
**1.7 g/hr**

Hopper Capacity<sup>1</sup>  
**52lb**

Actual Weight  
**425lb**



MT. VERNON AE INSERT



CLASSIC  
BLACK



SIENNA  
BRONZE



PORCELAIN  
MAHOGANY



## MT. VERNON E2 INSERT



Standard: Programmable  
Wall Thermostat



MT. VERNON E2 INSERT SHOWN IN CLASSIC BLACK, WITH METAL SURROUND  
WITH CAST IRON TRIM IN CLASSIC BLACK AND OPTIONAL LOG SET

BTU/hr Input<sup>1</sup>  
**18,100-  
55,000**

Heating Capacity<sup>2</sup>  
**1,300-2,900  
sq ft**

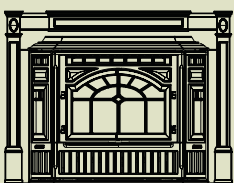
Efficiency<sup>3</sup>  
**81.6%**

Burn Rate  
**2.1-6.4  
lb/hr**

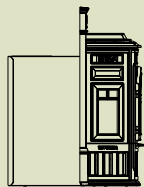
Emissions  
**.5 g/hr**

Hopper Capacity<sup>1</sup>  
**52lb**

Actual Weight  
**425lb**



MT. VERNON E2 INSERT



CLASSIC  
BLACK



SIENNA  
BRONZE



PORCELAIN  
MAHOGANY



## CASTILE INSERT



Standard: Mechanical  
Thermostat



CASTILE INSERT SHOWN IN CLASSIC BLACK, WITH METAL SURROUND  
WITH CLASSIC BLACK CAST IRON TRIM AND OPTIONAL LOG SET

BTU/hr Output<sup>1</sup>  
**11,600-  
38,700**

Heating Capacity<sup>2</sup>  
**700-1,800  
sq ft**

Efficiency<sup>4</sup>  
**78%**

Burn Rate  
**1.3-4.5  
lb/hr**

Emissions  
**1.8 g/hr**

Hopper Capacity<sup>1</sup>  
**45lb**

Actual Weight  
**260lb**



CASTILE INSERT



CLASSIC  
BLACK



SIENNA  
BRONZE



PORCELAIN  
MAHOGANY

## CLASSIC BAY 1200 INSERT



Standard: Mechanical  
Thermostat



CLASSIC BAY 1200 INSERT SHOWN WITH METAL SURROUND  
WITH BLACK NICKEL TRIM AND OPTIONAL LOG SET

BTU/hr Output<sup>1</sup>  
**15,500-  
46,400**

Heating Capacity<sup>2</sup>  
**1,000-2,600  
sq ft**

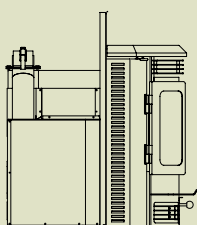
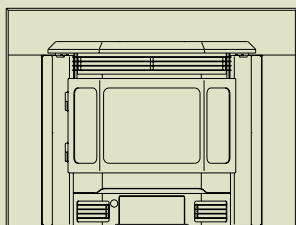
Efficiency<sup>4</sup>  
**78%**

Burn Rate  
**1.8-5.4  
lb/hr**

Emissions  
**1.3 g/hr**

Hopper Capacity<sup>1</sup>  
**75lb**

Actual Weight  
**243lb**



CLASSIC BAY 1200 INSERT



## SANTA FE INSERT



Standard: Mechanical  
Thermostat



SANTA FE INSERT SHOWN WITH METAL SURROUND  
WITH BLACK NICKEL TRIM, AND OPTIONAL LOG SET

BTU/hr Output<sup>1</sup>  
**11,600-38,700**

Heating Capacity<sup>2</sup>  
**700-1,800**  
sq ft

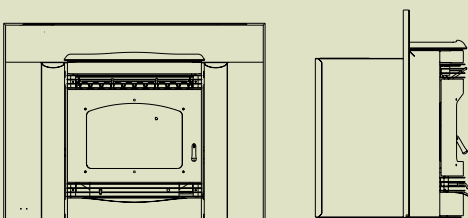
Efficiency<sup>4</sup>  
**78%**

Burn Rate  
**1.3-4.5**  
lb/hr

Emissions  
**1.8 g/hr**

Hopper Capacity<sup>1</sup>  
**45lb**

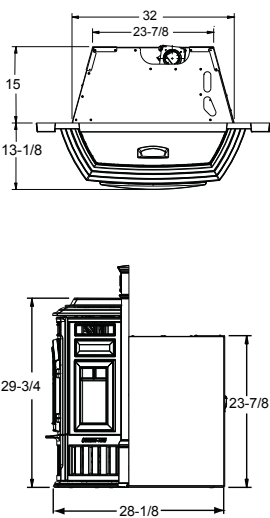
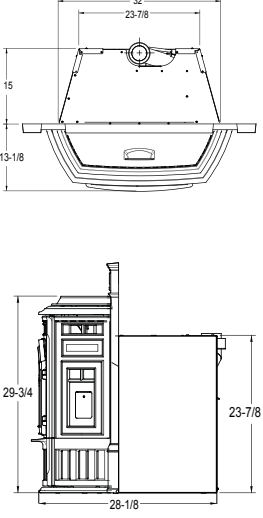
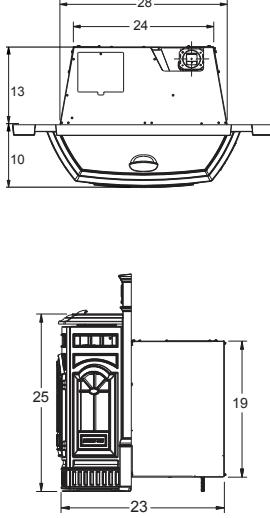
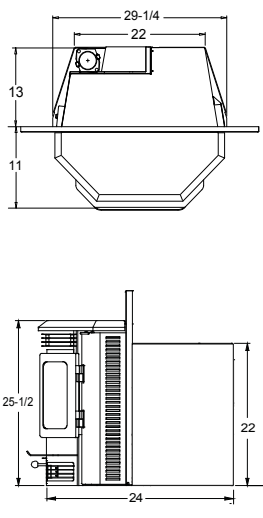
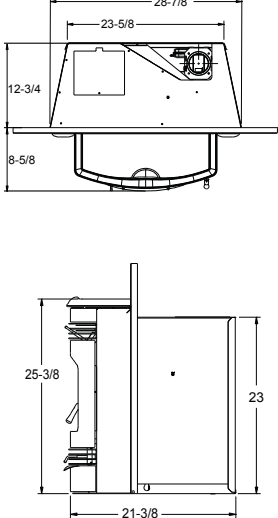
Actual Weight  
**214lb**



SANTA FE INSERT



## PELLET INSERT COMPARISON

| MT VERNON AE                                                                      | MT VERNON E2                                                                      | CASTILE                                                                           | CLASSIC BAY 1200                                                                   | SANTA FE                                                                            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |
| <b>BTU/HOUR INPUT<sup>1</sup></b><br>» 16,800-53,300                              | <b>BTU/HOUR INPUT<sup>1</sup></b><br>» 18,100-55,000                              | <b>BTU/HOUR INPUT<sup>1</sup></b><br>» 11,600-38,700                              | <b>BTU/HOUR INPUT<sup>1</sup></b><br>» 15,500-46,400                               | <b>BTU/HOUR INPUT<sup>1</sup></b><br>» 11,600-38,700                                |
| <b>HEATING CAPACITY<sup>2</sup></b><br>» 1,300 - 2,900<br>sq ft                   | <b>HEATING CAPACITY<sup>2</sup></b><br>» 1,300 - 2,900<br>sq ft                   | <b>HEATING CAPACITY<sup>2</sup></b><br>» 700 - 1,800<br>sq ft                     | <b>HEATING CAPACITY<sup>2</sup></b><br>» 1,000 - 2,600<br>sq ft                    | <b>HEATING CAPACITY<sup>2</sup></b><br>» 700 - 1,800<br>sq ft                       |
| <b>EFFICIENCY<sup>3</sup></b><br>» 76.9%                                          | <b>EFFICIENCY<sup>3</sup></b><br>» 81.6%                                          | <b>EFFICIENCY<sup>4</sup></b><br>» 78%                                            | <b>EFFICIENCY<sup>4</sup></b><br>» 78%                                             | <b>EFFICIENCY<sup>4</sup></b><br>» 78%                                              |
| <b>BURN RATE</b><br>» 1.9-6.2lb/hr                                                | <b>BURN RATE</b><br>» 2.1-6.4lb/hr                                                | <b>BURN RATE</b><br>» 1.3-4.5lb/hr                                                | <b>BURN RATE</b><br>» 1.8-5.4lb/hr                                                 | <b>BURN RATE</b><br>» 1.3-4.5lb/hr                                                  |
| <b>EMISSIONS</b><br>» 1.7 g/hr                                                    | <b>EMISSIONS</b><br>» .5 g/hr                                                     | <b>EMISSIONS</b><br>» 1.8 g/hr                                                    | <b>EMISSIONS</b><br>» 1.3 g/hr                                                     | <b>EMISSIONS</b><br>» 1.8 g/hr                                                      |
| <b>HOPPER CAPACITY<sup>1</sup></b><br>» 52lb                                      | <b>HOPPER CAPACITY<sup>1</sup></b><br>» 52lb                                      | <b>HOPPER CAPACITY<sup>1</sup></b><br>» 45lb                                      | <b>HOPPER CAPACITY<sup>1</sup></b><br>» 75lb                                       | <b>HOPPER CAPACITY<sup>1</sup></b><br>» 45lb                                        |
| <b>ACTUAL WEIGHT</b><br>» 425lb                                                   | <b>ACTUAL WEIGHT</b><br>» 425lb                                                   | <b>ACTUAL WEIGHT</b><br>» 260lb                                                   | <b>ACTUAL WEIGHT</b><br>» 243lb                                                    | <b>ACTUAL WEIGHT</b><br>» 214lb                                                     |
| <b>TECHNOLOGIES</b><br>» Advanced Energy (AE) Technology                          | <b>TECHNOLOGIES</b><br>» Efficient Energy (E2) Technology                         | <b>TECHNOLOGIES</b><br>» Original Energy (OE) Technology                          | <b>TECHNOLOGIES</b><br>» Original Energy (OE) Technology                           | <b>TECHNOLOGIES</b><br>» Original Energy (OE) Technology                            |



# 4 EASY STEPS TO UPGRADE YOUR EXISTING WOOD-BURNING FIREPLACE

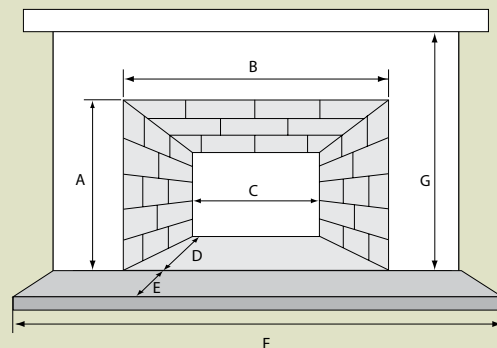
1. MEASURE YOUR EXISTING FIREPLACE
2. CHOOSE YOUR INSERT

3. SELECT A SURROUND
4. CUSTOMIZE YOUR INSERT

## STEP 1 MEASURE YOUR EXISTING FIREPLACE

The height, width and depth of the existing fireplace opening is needed to ensure selection of an appropriately-sized insert:

- |                                |                                 |
|--------------------------------|---------------------------------|
| A. Fireplace front height_____ | E. Hearth depth_____            |
| B. Fireplace front width_____  | F. Hearth width_____            |
| C. Fireplace back width_____   | G. Hearth to mantel height_____ |
| D. Fireplace Depth_____        |                                 |



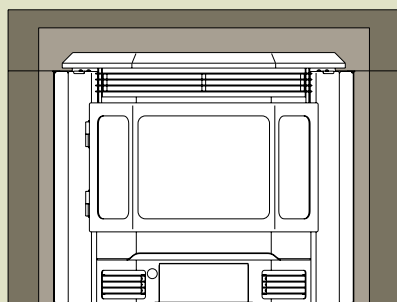
## STEP 2 SELECT YOUR INSERT

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

## 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.



 STANDARD SIZE SURROUND

 LARGE SURROUND



CLASSIC BLACK  
METAL SURROUND  
WITH CAST IRON  
TRIM

TRIM COLORS



CLASSIC  
BLACK



SIENNA  
BRONZE

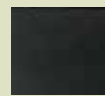


PORCELAIN  
MAHOGANY

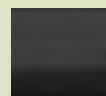


CLASSIC BLACK  
METAL SURROUND  
WITH OUTSIDE  
TRIM

TRIM COLORS



CLASSIC BLACK  
»Castile



BLACK NICKEL  
»Mt. Vernon AE  
»Mt. Veron E2  
»Classic Bay 1200  
»Santa Fe



SATIN NICKEL  
»Castile

| SURROUND                           | MT. VERNON AE                     | MT. VERNON E2                     | CASTILE                                                         | CLASSIC BAY 1200i                                           | SANTA FE                                                    |
|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Metal Surround with Cast Iron Trim | Standard Size:<br>45"W x 34-1/2"H | Standard Size:<br>45"W x 34-1/2"H | Standard Size:<br>42-1/2"W x 30"H<br>Large Size:<br>48"W x 34"H | n/a                                                         | n/a                                                         |
| Metal Surround with Outside trim   | Large Size:<br>50"W x 33"H        | Large Size:<br>50"W x 33"H        | Standard Size:<br>43"W x 31"H<br>Large Size:<br>51"W x 34"H     | Standard Size:<br>40"W x 30"H<br>Large Size:<br>50"W x 33"H | Standard Size:<br>40"W x 30"H<br>Large Size:<br>50"W x 33"H |

## STEP 4 CUSTOMIZE YOUR INSERT

### PROGRAMMABLE WALL THERMOSTAT

Allows you to run your appliance based on your personal comfort level all day or up to four different times each day.



- » CASTILE
- » CLASSIC BAY 1200
- » SANTA FE

### REMOTE CONTROL

Allows you to run your appliance based on your personal comfort level.



- » MT. VERNON E2
- » CASTILE
- » CLASSIC BAY 1200
- » SANTA FE

### LOG SET



- » MT. VERNON AE
- » MT. VERNON E2
- » CASTILE
- » CLASSIC BAY 1200
- » SANTA FE

## CLEARANCES

| CLEARANCES       |     |         |        |     |    |     | Clearance Diagram |
|------------------|-----|---------|--------|-----|----|-----|-------------------|
| Insert           | A   | B       | C      | D   | E  | F   |                   |
| MT. VERNON AE    | 6"  | 41"*    | 0"     | 0"  | 6" | 6"  |                   |
| MT. VERNON E2    | 6"  | 41"*    | 0"     | 0"  | 6" | 6"  |                   |
| CASTILE          | 16" | 37"     | 4-3/4" | 10" | 6" | 6"  |                   |
| CLASSIC BAY 1200 | 6"  | 37-1/2" | 3"     | 6"  | 8" | n/a |                   |
| SANTA FE         | 16" | 37-3/8" | 4-3/4" | 10" | 6" | 6"  |                   |

\* If mantel depth is 10" or less then B = 39"

| MASONRY AND FACTORY BUILT ZERO CLEARANCE |         |                   |                  |         |         |         | Clearance Diagram |
|------------------------------------------|---------|-------------------|------------------|---------|---------|---------|-------------------|
| Insert                                   | A       |                   | B                | C       | D       |         |                   |
| MT. VERNON AE                            | 23-7/8" |                   | 34"              | 24"     | 15"     |         |                   |
| MT. VERNON E2                            | 23-7/8" |                   | 34"              | 24"     | 16-1/2" |         |                   |
| CASTILE                                  | 21-1/4" |                   | 28-1/8"          | 23-5/8" | 17"     |         |                   |
| CLASSIC BAY 1200                         | masonry | rear vent n/a     | top vent 19-1/2" | 29-1/2" | 22"     | 13"     |                   |
|                                          | ZC      | rear vent 22-1/2" | top vent 25-1/2" | 29-1/2" | 29-1/4" | 15-1/2" |                   |
| SANTA FE                                 | 23-1/4" |                   | 29-1/4"          | 24"     | 16"     |         |                   |

### IMPORTANT - READ BEFORE YOU INSTALL

Refer to the Owner/Installation Manual for complete clearance requirements and specifications. The images and descriptions on this brochure are provided to assist you in product selection only.





Thank you from everyone at Quadra-Fire



# QUADRA-FIRE®

NOTHING BURNS LIKE A QUAD

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

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

Available From:

## Limited Lifetime Warranty<sup>5</sup>

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

1 BTU/hour input based on the maximum feed rate per hour multiplied by approximately 8600 BTUs which is the average BTUs from a pound of pellets. Fuel density and pellet shape will affect hopper capacity. 2 See your local Quadra-Fire dealer for help in determining the product that best suits your heating needs based on climate and home efficiency. 3 Weighted average LHV (Low Heating Value) efficiency. 4 EPA default efficiency. 5 For full warranty details go to [www.quadrafire.com](http://www.quadrafire.com).

### IMPORTANT - READ BEFORE YOU INSTALL!

Refer to the Owner/Installation Manual for complete clearance requirements and specifications. Power cords for the fans will run along the hearth and can be directed to either side of the appliance for flexible installation. 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 severe burns if touched. Keep a safe distance away. To learn more visit [www.quadrafire.com/fireplacesafety](http://www.quadrafire.com/fireplacesafety).

QDF-1015U-0416