

CVO FIRE 



**HIGH EFFICIENCY GAS FIRES**

GLASS FRONTED CHIMNEY FIRE

**AWARD WINNING DESIGN:** The CVO fire brand was created in 1999. We have a factory based at Newton Aycliffe in the North East of England. Our designs have been installed in properties around the world. CVO Fire has won many awards – the Price of Wales Design Award, the Homes & Gardens Design Award, the Retail Store of the Year Award and the Interbuild Energy Efficiency Award. Our products have also featured on TV programs such as Grand Designs and the Homes Show. Our high efficiency gas fires are handmade at our factory in the North East of England using locally sourced materials. Our gas fires are tested to the latest CE and BS approval standards. Our gas fires are tested to the 2014 standard for energy efficiency. This test is much stricter than earlier test standards. This approval includes tests for reliability, safety and function. The CE test standard is very strict and once awarded it allows us to manufacture our gas fires in the UK and then sell throughout Europe.

**ENERGY EFFICIENCY EXPLAINED:** This booklet features our new High Efficiency Fires. These have been designed to meet the latest European Union test standards for safety, reliability and efficiency. There are two factors to consider when looking for an energy efficient heating appliance, the efficiency rating of the appliance and the fuel that will be used. To secure the biggest energy saving the fuel should be gas. Gas is approximately 70% cheaper per Kw than using electric, wood or biofuel. To achieve a high energy efficiency rating the appliance must have a closed glass front. This works in two ways. It seals the chimney so that any heat generated by your heating system (radiators, under floor etc) is not lost up the chimney. The second way is that it maximises the heat radiated from the gas fire when it is switched on.

**HOW TO REDUCE YOUR BILLS:** By taking a direct comparison of an open flame gas fire and glass fronted gas fire you can increase the heat generated and reduce the running cost at the same time. If a fireplace has an open flame, despite whatever you may see claimed elsewhere, it is obvious that heat from the room is being lost up the chimney. So replacing that open flame fire with a glass front greatly increases the efficiency of your property.

**EXAMPLE:**

**Open Flame Gas Fire** – 6Kw, Efficiency 25%, running cost is 27p/hour, heat in the room, 1.5Kw.

**Blade High Efficiency Gas Fire** – 4.6Kw, Efficiency 84%, running cost 21p/hour, heat in the room, 3.9Kw.

So in the example above you have 1.6x more heat coming in to the room for 80% of the cost. Of course this is on full power so you can turn the fire down once the room is warm enough and save even more. Add to this all day long your house stays warm due to the glass front, resulting in greater savings.

**USING A CHIMNEY OR FLUE:** All of the high efficiency gas fires shown in this booklet can be installed within an existing brick built chimney. All types are suitable. The fires can also be installed in a flue box which allows a straight flue pipe to be used. The installation in this way is completed by the addition of a false chimney breast. Using your existing chimney is the most cost effective way of upgrading your home to high efficiency. In most instances the fires can be fitted easily with minimum building work.

**FIREVAULT SHOWROOM:** We have a fireplace showroom within our factory with our high efficiency gas fires on live display. There are examples of the various installation styles and materials on display. Our trained sales consultants can also discuss any special installation requirements and bespoke designs during your visit. The showroom is open Monday to Saturday, 9am to 6pm. To discuss visiting call sales on **01325-301020**.

**TECHNICAL INFORMATION:** We can supply all the technical information you require to decide the suitability of the product for your home prior to ordering. Most information is available from the technical section of the web site [www.cvo.co.uk](http://www.cvo.co.uk). We can also email install booklets, technical sheets and drawings.

**PRICES & ORDERING:** To obtain the latest prices and special offers call sales. Prices are also available online at our web store at [www.cvofire.co.uk](http://www.cvofire.co.uk). Sales are direct from our factory and selected distributors in the UK and across Europe. To discuss our gas fires in greater detail and to place your order call sales on **01325-301020**, Monday to Saturday, 9am to 6pm. For trade and volume customers call to set up a trade account.

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Our fireplace range includes many styles of gas, bio-ethanol, electric and wood burning fireplaces. Each product range has a separate brochure. If our High Efficiency Chimney Fires are not suitable we have products for all installation requirements available. To discuss your requirements in detail call sales on **01325-301020**, Monday to Saturday



## Bailey HE Inset

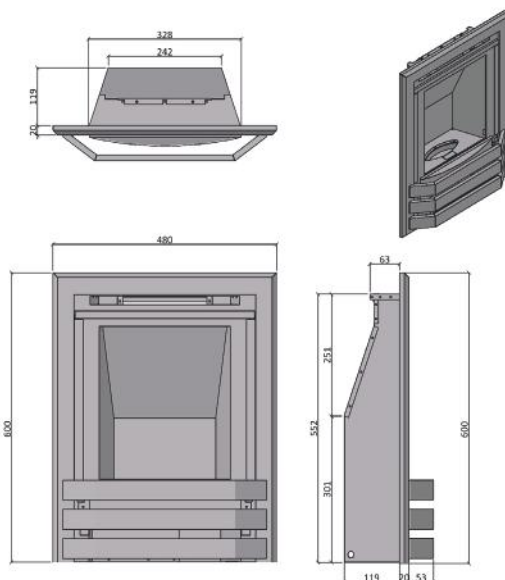
### DESCRIPTION

The BAILEY Inset high efficiency gas fire is the perfect replacement for an old open flame inset fire. Designed to fit any existing inset fireplace and chimney style. This modern glass fronted gas fire are tested to latest CE standard for energy efficiency and when compared like for like with old appliances quoting efficiency ratings of up to 90% our fires came out nearly 10% higher on the new test standard. Due to the glass front a high Kw rating is not required so running costs are kept low at 10p/hour, which is a 60% saving on an old open flame version. Available with various trim styles.



### TECHNICAL DATA

Model	BAILEY
Overall Size	480 (w) x 644 (h)
Power (kw)	2.5Kw
Efficiency Rating	72%
Chimney	Class 2 (5") or greater
Flue Size (mm)	127mm
Min Length (m)	3
Gas Types	Natural Gas
Ignition	Manual
Air Vent	No
Approval	BS7977:2013
Installation	Selected European Countries
Burner	Logs
Trim	Brushed, Black Finish



**NOTE:** This is a glass fronted fire so it will make your central heating system more efficient due to no loss up the chimney. The fire is low powered to keep running costs to a minimum - approx 10p/hour.



## FR920HE

### DESCRIPTION

The FR920HE frameless gas fire with logs has been tested to the latest British and CE quality standards for safety, reliability and energy efficiency. The FR920 features a ribbon gas burner with fireplace logs and embers. This gives a realistic look of wood burning – without all the mess.

This modern UK made gas fire can be installed in any property with a chimney (BS Version) or in a new build property without a chimney using a flue liner and a false chimney breast (EN Version). This glass fronted gas fire has a 6.1kW gas burner which will provide over 4.7kW of heat into the room. This modern gas fire is built at our factory in the UK to the latest 2013 CE test standard.

The fire is operated by a new modern Radio Frequency remote control system with a thermostat built into the hand set. This feature greatly increases the efficiency and energy saving potential of the gas fire. Select the desired room temperature on the hand set and the gas fire will automatically adjust the flame up and down to maintain the selected room temperature.

### SPECIAL FEATURES

- 6.1Kw High Efficiency Gas Fire, UK Made.
- Approved to both BS7977:2013 and EN613.
- Frameless “Letterbox” Design Style.
- Thermostatic Remote Control System.



### TECHNICAL DATA

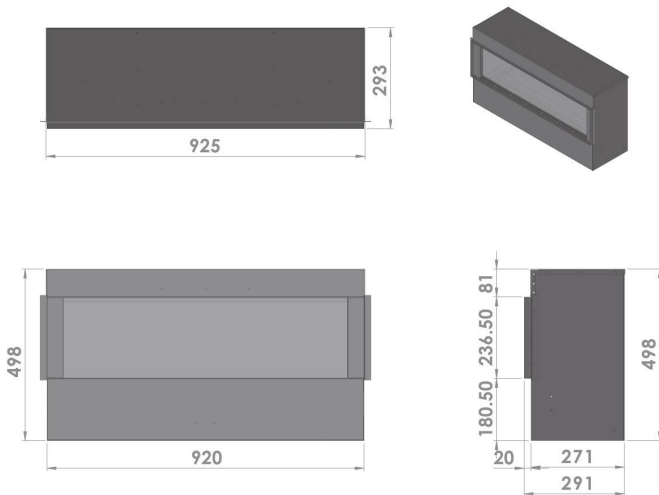
Model	FR920HE
Opening Size	920 (w) x 237 (h)
Power (kw)	6.1
Efficiency Rating	79%
Chimney	Class 2 (5”) or greater
Flue Size (mm)	127mm
Min Length (m)	2
Gas Types	Natural Gas
Ignition	Thermostatic Remote
Air Vent	No
Approval	BS7977:2013 & EN613
Installation	Selected European Countries
Enclosure	Matt Black
Trim	No Trim or Various Stone

**NOTE:** See technical drawing for installation requirements. The BS7977 version is for use in a brick chimney and the EN613 version is for use with a straight flue liner and false chimney breast.

## INSTALLATION

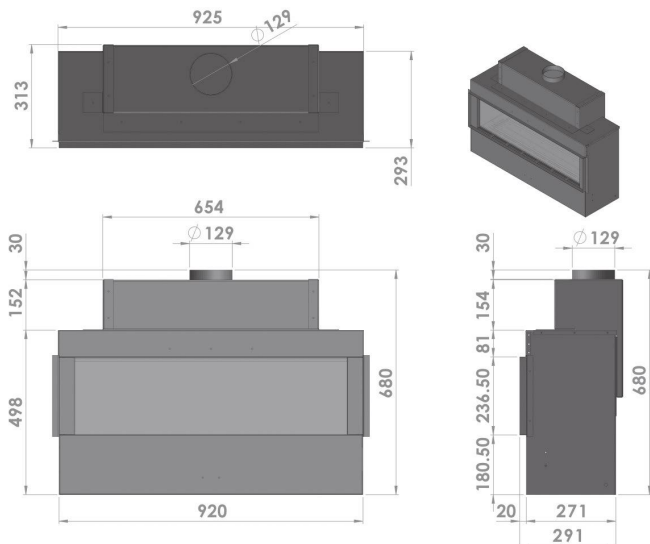
Installation of the FR920HE is possible in any property with a chimney. The BS7977 version of this gas fire has minimum depth and should fit most properties with minor building work. If a property does not have a chimney installation is still possible by using the EN613 version which has a special flue adaptor that allows a straight steel pipe to be used. The final fireplace is finished with a false stud wall and plasterboard.

The installation images below right show examples of how the BS7977 and EN613 version would be fitted.

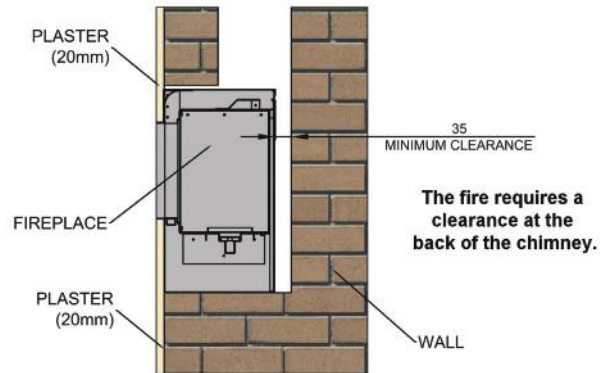


## TECHNICAL

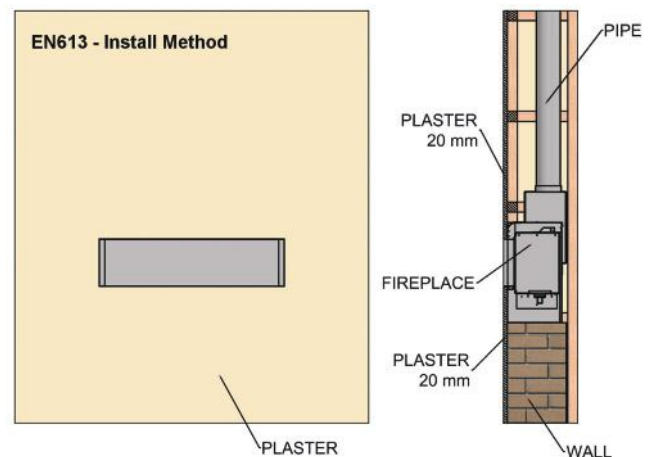
- Tested to current building codes for Energy Efficiency.
- Heat Input 6.1Kw, Heat Output 4.8Kw (on high setting).
- Running Costs approximately 27p/hour (on high setting).
- Operated by Battery Thermostatic Remote Control.
- The flame can be adjusted in 8 levels from high to low.
- Supplied with high quality fireplace logs and embers.
- EN613 Version Minimum Depth – 313mm.
- BS7977 Version Minimum Depth – 326mm.



BS7977 - Install Method



EN613 - Install Method





## Blade

### DESCRIPTION

The BLADE is a modern and unique fireplace. The gas burner has been designed to appear like a floating blade of steel with a ribbon of flame. This glass fronted, wall mounted, high efficiency gas fire not only provides a stunning design feature it is also very practical with a 4.6Kw gas burner and energy efficiency rating of over 84%. The fire can be supplied with a metal fascia. The fascia design allows cold air from the room to be drawn into the fire body, warmed by the fireplace casing and then warm air is pushed back into the room from the top. This increases the efficiency and warms the room up quicker, allowing the fire to be reduced to a lower setting – saving energy.

The BLADE is hand made at our factory in the UK and is tested to the latest British and CE quality standards for safety, reliability and energy efficiency. This modern gas fire can be installed in any property with a chimney or in a property without a chimney using a flue box, flue liner and a false chimney breast. The fire is operated manually.

### SPECIAL FEATURES

- 4.6Kw High Efficiency Gas Fire, UK Made.
- Approved to allow a shelf above the fire.
- Approved to both BS7977:2013 and EN613.
- Stunning Floating Flame Design Feature.



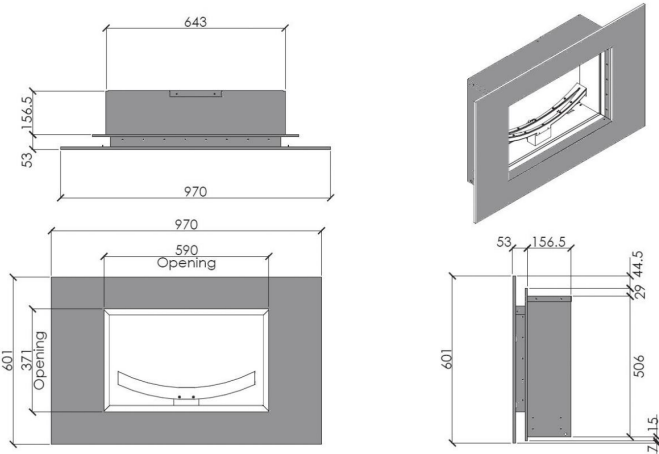
### TECHNICAL DATA

Model	BLADE
Opening Size	595 (w) x 379 (h)
Power (kw)	4.6
Efficiency Rating	84%
Chimney	Class 2 (5") or greater
Flue Size (mm)	127mm
Min Length (m)	3
Gas Types	Natural Gas
Ignition	Manual
Air Vent	No
Approval	BS7977:2013 & EN613
Installation	Selected European Countries
Enclosure	Matt Black
Trim	Black or Brushed Steel

## INSTALLATION

Installation of the BLADE is possible in any property with a chimney. The fire is designed as a cartridge to slide into a fireplace opening or the fire can be supplied with a matching flue box which allows a straight flue liner to be used. The final fireplace is finished with a false stud wall and plasterboard. The fire is approved to allow a shelf above and this is the ideal barrier so that a TV can be mounted above the shelf.

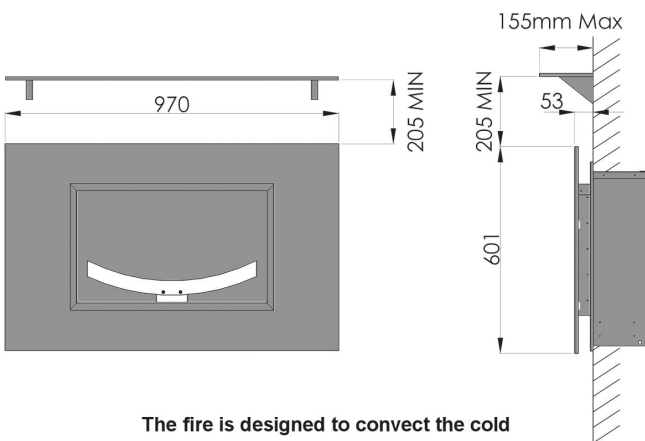
The installation images below show the required recess or a flue box can be supplied if using a flue liner.



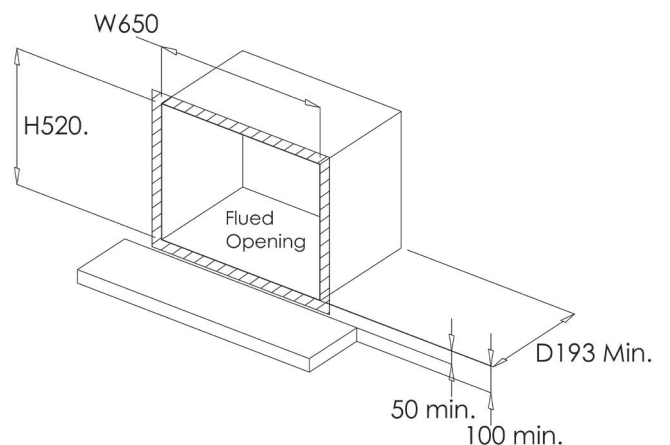
## TECHNICAL

- Tested to meet building codes for Energy Efficiency.
- Heat Input 4.6Kw, Heat Output 3.9Kw (on high setting).
- Running Costs approximately 21p/hour (on high setting).
- Designed to radiate heat from around the floating fascia.
- The fascia can be supplied in metal finishes.
- The flame can be adjusted from high to low setting.
- Cartridge size – 643mm (w) x 158mm (d) x 507mm (h)
- Minimum Depth – 193mm.

A shelf can be fitted above the fire to create a barrier which then allows a TV to be mounted above the shelf.



The fire is designed to convect the cold air from the room through the inner casing and back into the room. Maximising the efficiency and heat output.





# Kokoto

## DESCRIPTION

The KOKOTO glass fronted, wall mounted, high efficiency gas fire has been designed with a special pebble burner and a large glamorous flame. The flame dances across eight large pebbles of various colour and shape. This creates a unique design feature. The Kokoto has a large flame but was designed with a lower power rating to reduce the running costs. The gas fire has a power rating of 3.1Kw and an efficiency rating of 78%. This modern gas fire is hand made at our factory in the UK and is tested to the latest British and CE quality standards for safety, reliability and energy efficiency. The gas fire can be installed in any property with a chimney or in a property without a chimney using a flue box, flue liner and a false chimney breast. The fire is operated manually. Can be installed with shelf and TV above.

The KOKOTO gas fire is supplied with a metal fascia. The fascia design allows cold air from the room to be drawn into the fire body, warmed by the fireplace casing and then warm air is pushed back into the room from the top. This increases the efficiency and warms the room up quicker, allowing the fire to be reduced to a lower setting – saving energy.

## SPECIAL FEATURES

- 3.1Kw High Efficiency Gas Fire, UK Made.
- Approved to allow a shelf above the fire.
- Approved to both BS7977:2013 and EN613.
- Pebble basket gas burner design.



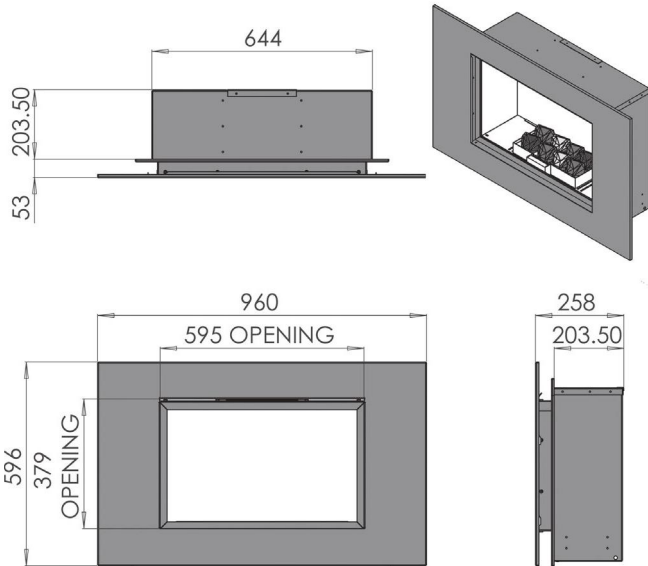
## TECHNICAL DATA

Model	KOKOTO
Opening Size	595 (w) x 379 (h)
Power (kw)	3.1
Efficiency Rating	78%
Chimney	Class 2 (5") or greater
Flue Size (mm)	127mm
Min Length (m)	3
Gas Types	Natural Gas
Ignition	Manual
Air Vent	No
Approval	BS7977:2013 & EN613
Installation	Selected European Countries
Enclosure	Matt Black
Trim	Black or Brushed Steel



## INSTALLATION

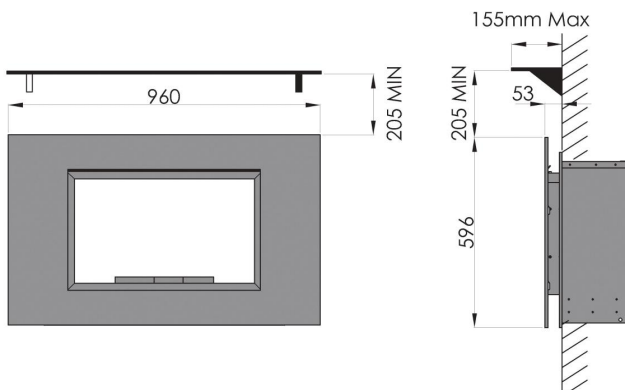
Installation of the KOKOTO is possible in any property with a chimney. The fire is designed as a cartridge to slide into a fireplace opening or the fire can be supplied with a matching flue box which allows a straight flue liner to be used. The final fireplace is finished with a false stud wall and plasterboard. The fire is approved to allow a shelf above and this is the ideal barrier so that a TV can be mounted above the shelf.



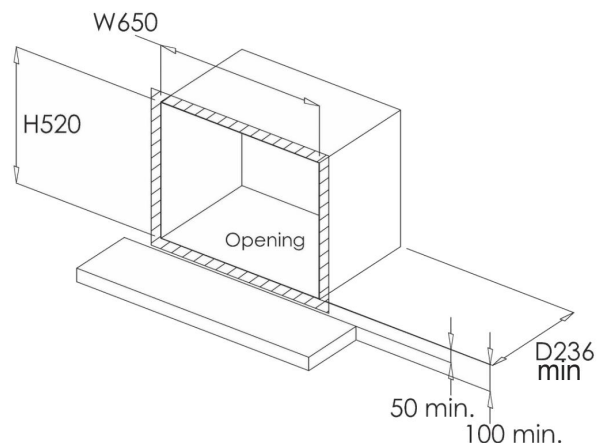
## TECHNICAL

- Tested to meet building codes for Energy Efficiency.
- Heat Input 3.1Kw, Heat Output 2.4Kw (on high setting).
- Running Costs approximately 14p/hour (on high setting).
- Designed to radiate heat from around the floating fascia.
- The fascia can be supplied in metal finishes.
- The flame can be adjusted from high to low setting.
- Cartridge size – 643mm (w) x 201mm (d) x 507mm (h)
- Minimum Depth – 236mm.

A shelf can be fitted above the fire to create a barrier which then allows a TV to be mounted above the shelf.



The fire is designed to convect the cold air from the room through the inner casing and back into the room.





## FR600HE

### DESCRIPTION

The FR600HE glass fronted, wall mounted, high efficiency gas fire has been designed to provide a single ribbon of flame which dances within the enclosure on a bed of small chippings. This creates a modern fireplace feature with the addition of energy saving gas fire design. The FR600HE has a power rating of 3.8Kw and an efficiency rating of 83%. This modern gas fire is hand made at our factory in the UK and is tested to the latest standards for safety, reliability and energy efficiency. The gas fire can be installed in any property with a chimney or in a property without a chimney using a flue box, flue liner and a false chimney breast. The fire is operated manually. Can be installed with shelf and TV above.

The FR600HE gas fire is supplied with a metal fascia. The fascia design allows cold air from the room to be drawn into the fire body, warmed by the fireplace casing and then warm air is pushed back into the room from the top. This increases the efficiency and warms the room up quicker, allowing the fire to be reduced to a lower setting – saving energy.

### SPECIAL FEATURES

- 3.8Kw High Efficiency Gas Fire, UK Made.
- Approved to allow a shelf above the fire.
- Approved to both BS7977:2013 and EN613.
- Dancing Ribbon Of Flame Burner Design.

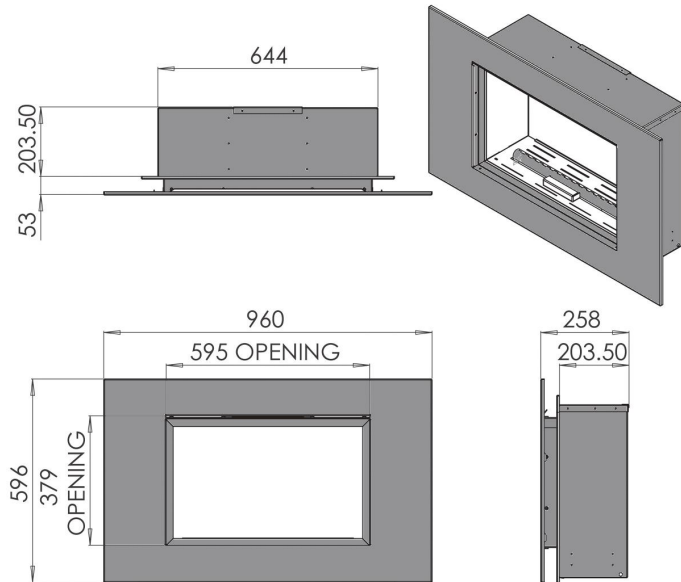


### TECHNICAL DATA

Model	FR600HE
Opening Size	595 (w) x 379 (h)
Power (kw)	3.8
Efficiency Rating	83%
Chimney	Class 2 (5") or greater
Flue Size (mm)	127mm
Min Length (m)	3
Gas Types	Natural Gas
Ignition	Manual
Air Vent	No
Approval	BS7977:2013 & EN613
Installation	Selected European Countries
Enclosure	Matt Black
Trim	Black or Brushed Steel

## INSTALLATION

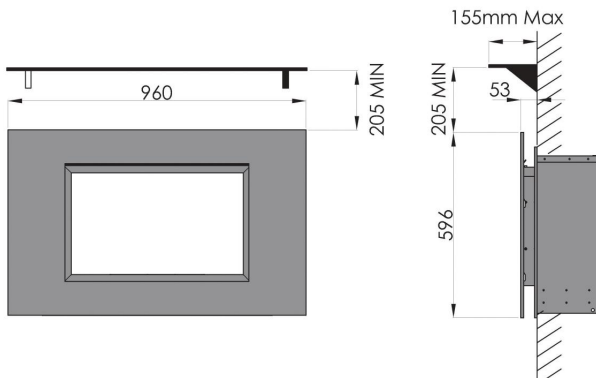
Installation of the FR600HE is possible in any property with a chimney. The fire is designed as a cartridge to slide into a fireplace opening or the fire can be supplied with a matching flue box which allows a straight flue liner to be used. The final fireplace is finished with a false stud wall and plasterboard. The fire is approved to allow a shelf above and this is the ideal barrier so that a TV can be mounted above the shelf.



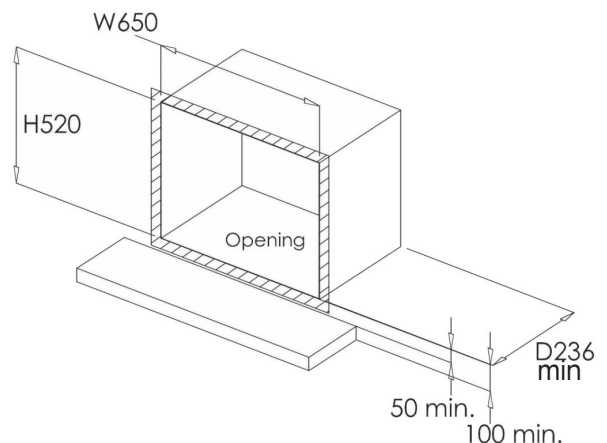
## TECHNICAL

- Tested to meet building codes for Energy Efficiency.
- Heat Input 3.8Kw, Heat Output 3.1Kw (on high setting).
- Running Costs approximately 17p/hour (on high setting).
- Designed to radiate heat from around the floating fascia.
- The fascia can be supplied in metal finishes.
- The flame can be adjusted from high to low setting.
- Cartridge size – 643mm (w) x 201mm (d) x 507mm (h)
- Minimum Depth – 236mm.

A shelf can be fitted above the fire to create a barrier which then allows a TV to be mounted above the shelf.



The fire is designed to convect the cold air from the room through the inner casing and back into the room. Maximising the efficiency and heat output.



# CVO FIRE



For additional details, technical specifications and prices call  
Sales: Monday to Saturday, 9am to 6pm  
or email: [sales@cvo.co.uk](mailto:sales@cvo.co.uk)

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