

Graphite

Everything you want from
a wood burning stove...

and then some...



Energy independence and energy efficiency...

Forget about whether or not wood burning stoves are the latest home fashion statement. What they really are is good old-fashioned common sense. However, don't just take our word for it...

They're a renewable energy source that everyone agrees we need more of, from Greenpeace to the EU. And it's a tried and tested renewable that won't break the bank either.

According to The Energy Saving Trust, like thousands of other stove owners (175,000 new ones last year alone), you could be cutting costs on your overall heating bills from day-one .

Plus, you'll have a significant independent heating source for your home. Power cut? No problem, just throw another log on the stove.

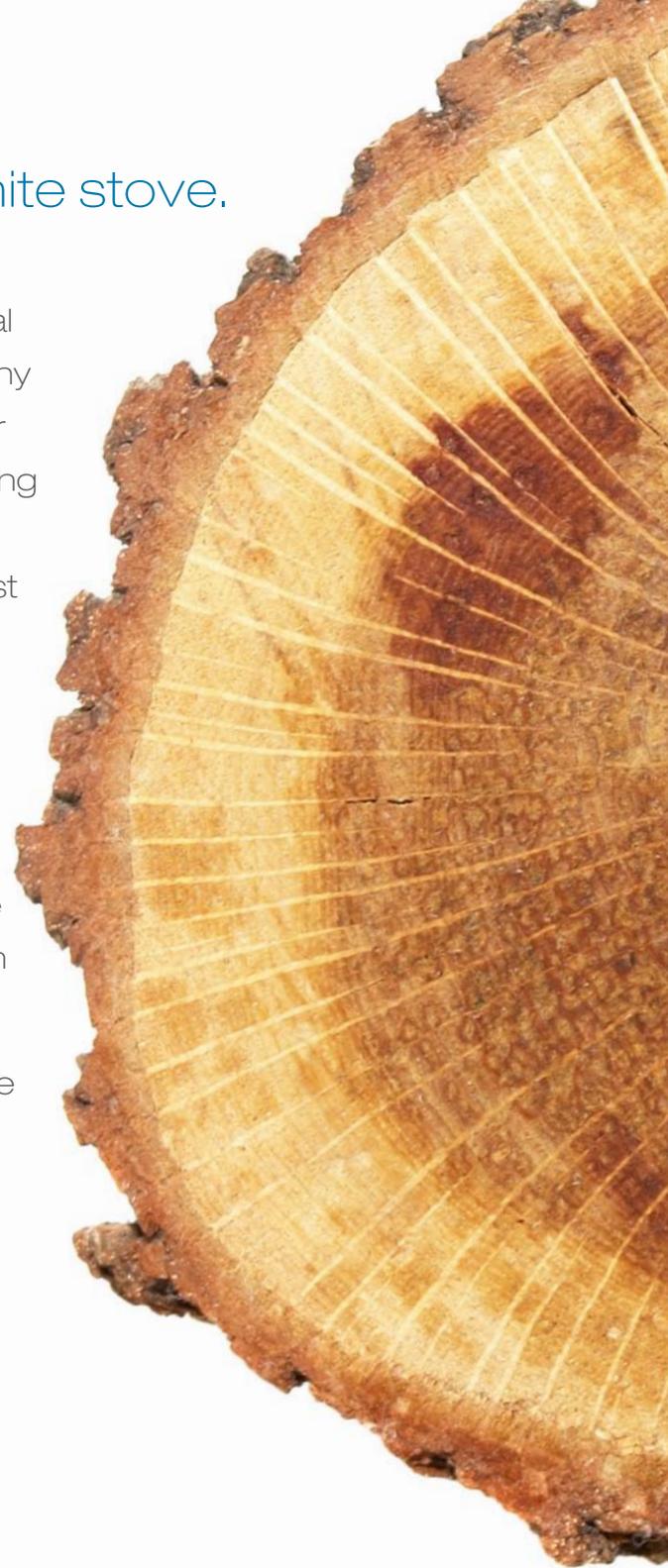


The lasting beauty of a Graphite stove.



Wood is a sustainable carbon neutral fuel with thousands of suppliers, many of them local to you, all vying for your business. So when it comes to heating your home you can say goodbye to the 'big six'. Even the Woodland Trust think that wood burners are a great idea – planting trees for wood fuel brings many other benefits. These include locking in damaging carbon, encouraging wildlife, producing oxygen and cutting pollution to make our air cleaner. And of course we can all enjoy woods to walk and play in.

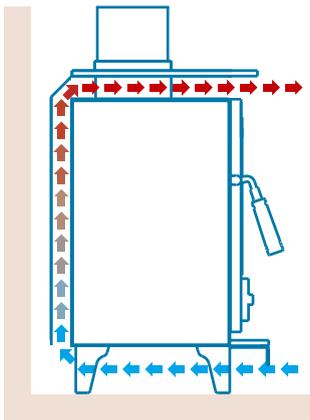
So if you think that wood burners are a great idea too, then you'll want to make sure that you buy a good one. Over the next few pages we hope to show you why buying a Graphite stove is easily the obvious choice.



Graphite, in many ways a better wood burning stove

Get warmer, faster

The Graphite Five, Eight and Ten models all feature Graphite's unique *Heat Conveyor* convection system which draws in cold air up through the convection scoop at the rear of the stove and warms it as it moves through the system to exit at the front grille. This means that you not only get traditional radiated heat from the Graphite's heavyweight bodywork (the



Graphite Ten top lid alone weighs in at a staggering 26.6kg), but you also reap the benefits of gentle hot air movements which help warm the room faster than other stoves.

Direct external air supply (DEAS)

All Graphite free-standing stoves provide you with the option of taking the stove's air supply from outside the room by using the optional *Direct Air Box*. Where there is a high standard of insulation (post-2008 houses, for example) using the external air option delivers important operational and safety



advantages. For a start it makes it easier to heat your room since the stove doesn't feed itself on the warm air that it has just created.

This also helps

eliminate annoying drafts because the stove has no need to replace this warm air by colder air taken from the rest of the house. The *Direct Air Box* makes a simple and neat alternative to the unsightly and inefficient 'air-brick' often required in order that an installation will conform to Building Regulations.

Thick, thicker, thickest

One thing that you'll immediately notice about Graphite stoves is that, unlike other manufacturers, we don't compromise on the quality or choice of our materials.



Just compare the thickness of our premium steel bodywork to see exactly what we mean.

Better built, better performance, better efficiency...

Cleaner and much meaner

The Graphite Five, Eight and Ten stoves incorporate state-of-the-art clean burn technology – something you still don't see on the average stove. Our unique



Pre-heated Tertiary Air System, where the combustion air passes into the top of the fire chamber through an extremely hot cast iron back-plate, ensures much cleaner

burning and much lower emissions – even at the very end of the burn cycle. This makes Graphite stoves kinder to the environment (and your neighbours) as well as highly efficient and inexpensive to use. The Graphite Five and Eight as well as the Convector Inset are all officially listed as clean burning *Smoke*



Exempt Appliances by Defra, which means that you can burn wood legally in a UK Smoke Control Area.

Easier to maintain

All Graphite stoves have been designed with the minimum number of components and with easy maintenance in mind. For example, baffle plates,

firebricks and firegrates are all very easy to remove and clean without the need for tools. The Graphite Boiler baffle

plate and boiler top can also be inspected and cleaned without having to remove the flue pipe. Robot-welded premium steel bodywork and cast iron door as well as the highest quality materials choice throughout ensure that you'll be enjoying the benefits of your Graphite stove for many years to come – and many years longer than our *Five Year Extended Warranty*.



The seals of approval



All Graphite stoves have been CE tested in the UK and Holland to *EN13240* or *EN13229* as appropriate, to ensure that they meet or exceed all current EU safety and emissions standards – the Graphite Eight also meets the strict new EU 2022 Ecodesign emissions controls. All Graphite stoves are Construction Products Regulations (CPR) compliant and many models have also been approved by *Hetas*. Graphite stoves are also listed on the Sustainable Energy Authority of Ireland's (SEAI) HARP database which has



been specially developed to help homeowners to identify the most efficient heating systems.

Graphite **INSET**

GR357i



The Graphite Inset has been designed to make it easy to install within a standard fireplace opening, allowing you to keep your original fire surround. The 4.9kW output will provide enough heat for the average room and the big picture window's view of the controllable flame pattern will leave your old open fire in the shade. Plus, the Graphite Inset will be three to four times more efficient so you'll also use considerably less fuel. The premium quality cast iron front frame, door and firebricks and the precision-welded fire chamber ensure that the Graphite Inset will not only give you many years of abundant heat but will also be economical to run.

Efficiency	75.2%
Nominal output (wood)	4.9kW
Takes logs up to (mm)	250



- Fits standard UK / Irish fireplace aperture for easy installation
- Data from CE EN13229 tests in the UK by Kiwa Gastec
- SEAI Harp approved and listed, your guarantee of performance
- Pre-heated Airwash System to keep your glass cleaner
- Efficient multi-fuel operation. Takes logs up to 250 mm (10")
- Longer-lasting fine cast iron front frame, door and firebricks
- Five Year Extended Warranty from one of the world's leading stove makers





Traditional Matt Black Finish



Ivory Enamel



Pewter Enamel



Brown Enamel



Black Enamel

Graphite **CONVECTOR INSET**

HF5902



There are very few stoves that can offer you an efficiency of more than 87.6% – making your wood last so much longer. There's also the outstanding 6.9kW output (smokeless coal) – enough to heat the biggest room on the coldest nights. But the best bit is that this abundant heat is gently convected around the room, warming the furthest corners quickly and more efficiently than traditional inset stoves – well and truly leaving your old open fire in the shade. The advanced pre-heated tertiary air system ensures an extremely clean burn (after all it's a Defra Exempted Appliance) and the choice of coloured enamel finishes complete the perfect package.

- Clean burning Defra Smoke Exempted Appliance
- Fits standard UK / Irish fireplace aperture for easy installation
- Data from CE EN13229 tests in the UK by Kiwa Gastec
- SEAI Harp approved and listed, your guarantee of performance
- Pre-heated Airwash System to keep your glass cleaner
- Efficient multi-fuel operation. Takes logs up to 250 mm (10")
- Five Year Extended Warranty

Efficiency	87.6%
Nominal output (wood)	4.9kW
Nominal output (min fuel)	6.9kW
Takes logs up to (mm)	250



There's nothing 'shabby' about our crackle effect Grey Chic enamel finish, perfect for contemporary interiors or old fire surrounds – one of five NEW enamel colours

Graphite **FIVE**

GR905

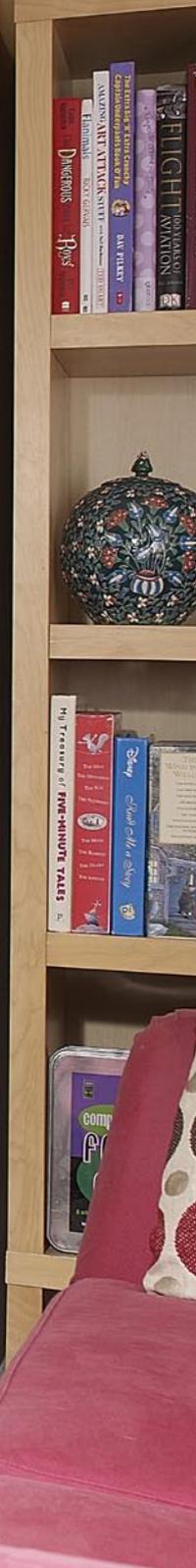


With its outstanding 84.3% efficiency, the Graphite Five is one of the most effective 5kW output stoves that you can buy. Its unique *Heat Conveyor* warm air convection system will quickly distribute heat around your living space so that you get the benefit of both radiated heat and convected heat without burning any extra fuel – and the Graphite's excellent controllability, means that you'll be using less of it too. Pre-heated tertiary air ensures the Graphite is extremely clean burning and better for the environment.

Efficiency	84.3%
Nominal output (wood)	4.9kW
Takes logs up to (mm)	250



- Data from CE EN13240 tests in the UK by Kiwa Gastec
- Clean burning Defra Smoke Exempt Appliance
- SEAI Harp approved and listed, your guarantee of performance
- Clean-burn pre-heated tertiary air system maximises efficiency
- Heavy duty robot-welded steel body with soft-edged 10 mm thick lid
- Longer-lasting finest quality cast iron door and fire back-plate
- Pre-heated Airwash System to keep your glass cleaner
- Choice of top or rear 125 mm (5") flue outlet
- Optional direct air supply kit to help eliminate cold draughts
- Five Year Extended Warranty from one of the world's leading stove makers





Graphite **EIGHT**

GR908



An excellent medium-sized 8kW stove which makes it perfect for an older house or for a larger than average living room where its unique *Heat Conveyor* warm air convection system will help quickly fill the space with abundant warm air. The Graphite Eight has a wealth of top-line features including pre-heated secondary and tertiary air which makes it much cleaner burning and also improves efficiency. It is extremely well built with thicker than average precision welded steel bodywork and finest quality cast iron door.

Efficiency	78.0%
Nominal output (wood)	8.0kW
Takes logs up to (mm)	350



- Data from CE EN13240 tests in Holland by SGS
- Clean burning Defra Smoke Exempt Appliance
- SEAI Harp approved and listed, your guarantee of performance
- Clean-burn pre-heated tertiary air system maximises efficiency
- Pre-heated Airwash System to keep your glass cleaner
- Choice of top or rear 150 mm (6") flue outlet option
- Longer-lasting finest quality cast iron front door and fire back-plate
- Heavy duty robot-welded steel body with soft-edged 14 mm thick lid
- Optional direct air supply kit to help eliminate cold draughts
- Five Year Extended Warranty from one of the world's leading stove makers

Graphite **TEN**

GR910



The largest stove in the Graphite range, the Ten not only has a powerful visual presence in a large fireplace but also delivers an equally powerful and effective 10kW of heat output for the larger living room. It is also exceptionally clean burning, thanks to its pre-heated tertiary air system. This wrings out every last calorie of heat from the fuel load to make it go further and make the stove more economical to run. This, combined with the Airwash system, all helps to keep the Graphite Ten's large picture window beautifully clean so you can enjoy a great view of its great big fire.

Efficiency	80.3%
Nominal output (wood)	10.0kW
Takes logs up to (mm)	400



- Data from CE EN13240 tests in the UK by Kiwa Gastec
- SEAI Harp approved and listed, your guarantee of performance
- Clean-burn pre-heated tertiary air system maximises efficiency
- Pre-heated Airwash System to keep your glass cleaner
- Choice of top or rear 150 mm (6") flue outlet
- Heavy duty robot-welded steel body with soft-edged 16 mm thick lid
- Longer-lasting finest quality cast iron door and fire back-plate
- Optional direct air supply kit to help eliminate cold draughts
- Five Year Extended Warranty from one of the world's leading stove makers





Graphite **INSET BOILER**

GR357i-B

If you want to recreate the focal point that a traditional fireplace and living flame brings to a room or you just simply want to replace an old back boiler, then the Graphite Inset Boiler makes the ideal choice. Its big picture window ensures that you still get a great view of the fire and its airwash system ensures that it stays that way. With CE tested efficiency of 80.2% and generous heat output to power up to 10 radiators, plus heat a good-sized living room, we think that you'll find that the Graphite Inset Boiler is not only efficient and effective, but will make a rather good looking choice for your home too.

- The Graphite Inset Boiler is Hetas Approved Appliance
- Fits standard UK / Irish fireplace aperture for easier installation
- CE EN13229 tested in the UK by Kiwa Gastec
- SEAI Harp approved and listed, your guarantee of performance
- Incorporates Airwash technology to keep your glass cleaner
- Thermostatically controlled boiler maximises fuel efficiency
- Longer-lasting finest quality cast iron door and door frame
- Five Year Extended Warranty from one of the world's leading stove makers



Efficiency up to	80.2%
Nominal output up to	13.2kW
To the room up to	5.0kW
To the water up to	9.2kW
Takes logs up to (mm)	250



NB The number of radiators quoted is based on typical sized single radiators and when the heating system is at full operational temperature

Graphite **BOILER**

GR910-B

The family-sized Graphite Boiler will heat up to 12 radiators, plus provide more than enough heat for the room it's located in, as well as a generous supply of hot water. The big fire chamber will take large logs up to 400 mm (16") long or a large 4kg smokeless fuel load to extend the burn times. The baffle plate and boiler top area can be inspected and simply cleaned through a special hatch underneath the heavy duty heat-sink lid (a staggering 12.7kg!) without having to remove the flue pipe. Top or rear flue options and an external riddler are just some of the Graphite Boiler's many features.

- Powers up to 12 average-sized radiators and the room it's in
- CE EN13240 tested in the UK by Kiwa Gastec
- SEAI Harp approved and listed, your performance guarantee
- Incorporates Airwash technology to keep your glass cleaner
- Thermostatically controlled boiler maximises fuel efficiency
- Longer-lasting fine cast iron door and 16 mm thick steel lid
- Easy to clean baffle plate and top boiler area
- Five Year Extended Warranty from one of the world's leading stove makers



Efficiency up to	75.5%
Nominal output up to	15.6kW
To the room up to	5.9kW
To the water up to	9.7kW
Takes logs up to (mm)	400



NB The number of radiators quoted is based on typical sized single radiators and when the heating system is at full operational temperature

More heat to the water and even quicker at raising its temperature!



Graphite at-a-glance...

DEFRA APPROVED STOVES

GR905	Graphite Five	84.3%	4.9kW
GR908	Graphite Eight	78.0%	8.0kW
HF5902	Inset Convector	80.3%	6.9kW

HETAS APPROVED STOVES

GR905	Graphite Five	84.3%	4.9kW
GR908	Graphite Eight	78.0%	8.0kW
HF5902	Inset Convector	86.3%	6.9kW
GR357i	Inset	75.2%	4.9kW
GR357i-B	Inset Boiler	80.2%	13.2kW
GR910-B	Boiler	74.3%	15.6kW

FREE-STANDING STOVES

GR905	Graphite Five	84.3%	4.9kW
GR908	Graphite Eight	78.0%	8.0kW
GR910	Graphite Ten	80.3%	10.0kW

INSET STOVES

GR357i	Inset	75.2%	4.9kW
HF5902	Inset Convector	86.3%	6.9kW
GR357i-B	Inset Boiler	80.2%	13.2kW

MULTI FUEL BOILER STOVES

			TOTAL
GR910-B	Boiler	74.3%	15.6kW
GR357i-B	Inset Boiler	80.2%	13.2kW

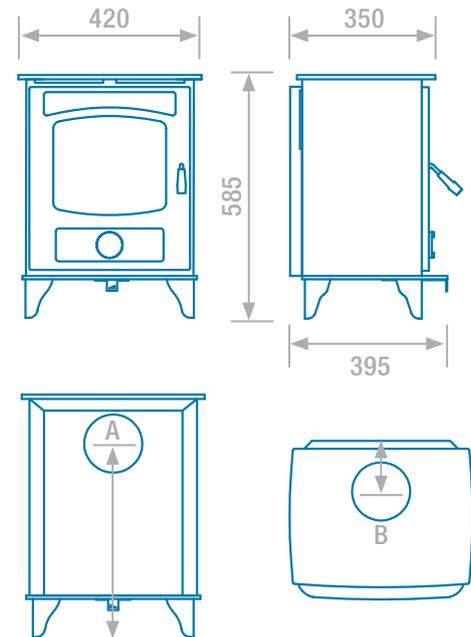
Graphite FIVE

Model GR905 HETAS and DEFRA Approved Appliance

CE tested for wood and mineral fuel
 Nominal output (wood) **4.9kW**
 Efficiency (wood) **84.3%**
 Nominal output (SMF) **4.9kW**
 Efficiency (SMF) **71.4%**
 Net Weight **87kg**

Dimensions (mm):

H**585** W**420** D**395** (inc ash lip)
 Flue outlet dia (top or rear) **125**
 Height to centre of rear flue A **443**
 Centre of top flue to back B **140**



Graphite EIGHT

Model GR908 HETAS and DEFRA Approved Appliance

CE tested for wood and mineral fuel

Nominal output (wood) **8.0kW**

Efficiency (wood) **78.0%**

Nominal output (SMF) **8.0kW**

Efficiency (SMF) **76.0%**

Net Weight **119kg**

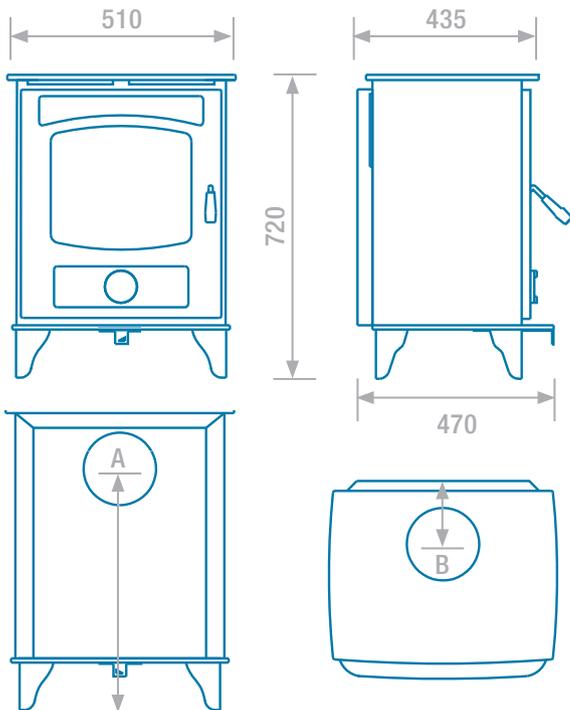
Dimensions (mm):

H720 W510 D470 (inc ash lip)

Flue outlet dia (top or rear) **150**

Height to centre of rear flue A **575**

Centre of top flue to back B **150**



Graphite TEN

Model GR910 Large output CLEAN BURN appliance

CE tested for wood and mineral fuel

Nominal output (wood) **10.0kW**

Efficiency (wood) **80.3%**

Nominal output (SMF) **11.0kW**

Efficiency (SMF) **71.9%**

Net Weight **151kg**

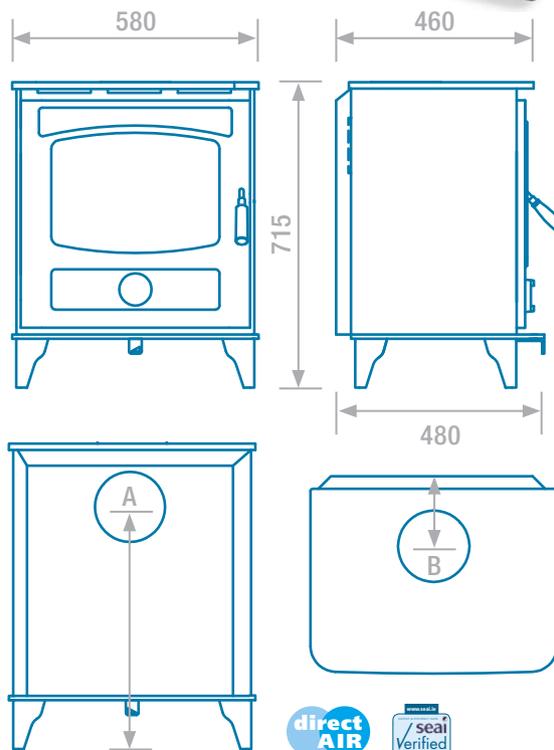
Dimensions (mm):

H715 W580 D480 (inc ash lip)

Flue outlet dia (top or rear) **150**

Height to centre of rear flue A **575**

Centre of top flue to back B **160**



Inset Convector

Model HF5902 HETAS and DEFRA Approved Appliance

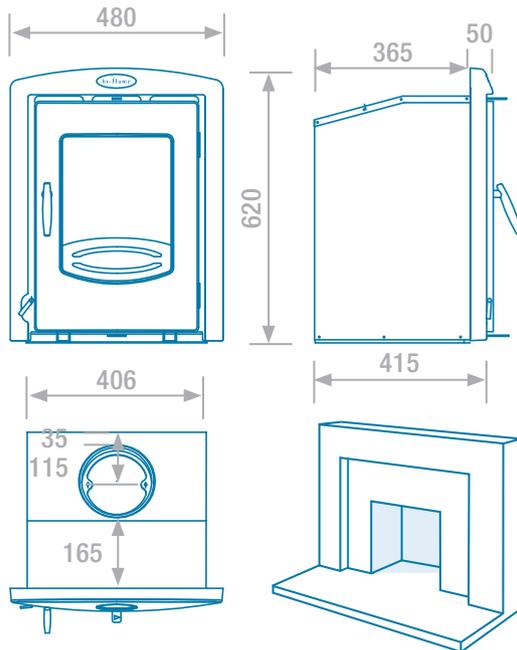
CE tested for wood and mineral fuel
 Nominal output (wood) **4.9kW**
 Efficiency (wood) **87.6%**
 Nominal output (SMF) **6.9kW**
 Efficiency (SMF) **77.2%**
 Net weight **89kg**

Overall dimensions (mm):

H620 W480 D415

Centre of top flue to back **110**

Five High Gloss Enamel options
 including Ivory and Pewter



Fits within a standard 400 mm x 550 mm (16" x 22") fireplace opening.
 Adjustments for stove depth are likely to be needed.



Graphite INSET

Model GR357i HETAS Approved Appliance

CE tested for wood and mineral fuel
 Nominal output (wood) **4.9kW**
 Efficiency (wood) **75.2%**
 Nominal output (SMF) **4.8kW**
 Efficiency (SMF) **68.3%**
 Net Weight **79.2kg**

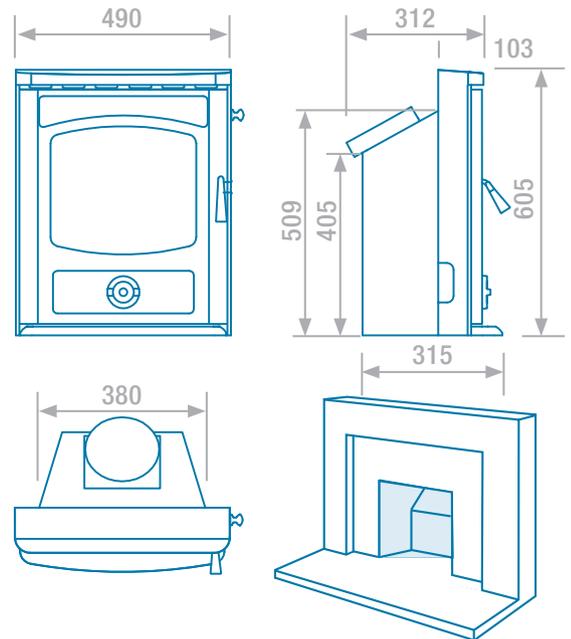
Dimensions (mm):

H605 W490 D315 (inc ash lip)

NB Fits standard fireplace aperture
 without removing fire back

Flue outlet dia' (top only) **150**

Black High Gloss Enamel option



Fits within a standard 400 mm x 550 mm (16" x 22") fireplace opening.
 Adjustments for stove depth are likely to be needed.



Graphite **INSET BOILER**

Model **GR357i-B** HETAS Approved Appliance

CE tested for wood and mineral fuel
 Output to room (wood up to) **4.8kW**
 Output to water (wood) **7.5kW**
 Efficiency (wood) **80.2%**
 Output to room (SMF) **3.7kW**
 Output to water (SMF) **8.9kW**
 Efficiency (SMF) **75.8%**
 Net Weight (unpackaged) **109kg**



Dimensions (mm):

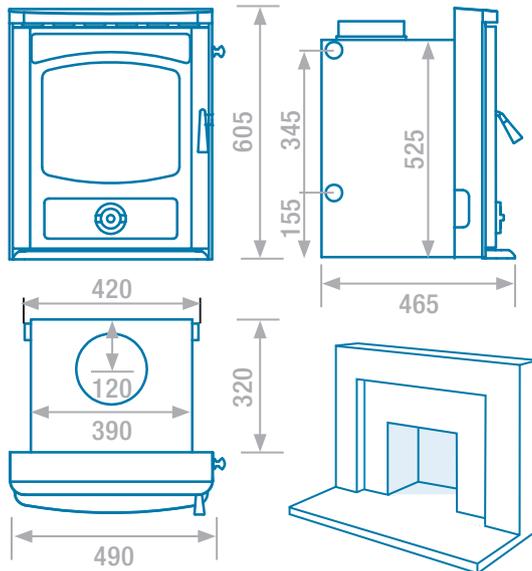
H605 W490 D465 (inc Ash Lip)

Concealed fire box:

H570 inc collar **W420** inc ports **D320**

Water ports (two each side) **1" BSP**

Flue outlet dia' (top only) **150**



*Fits within a standard 400 mm x 550 mm (16" x 22") fireplace opening.
 Adjustments for stove depth are likely to be needed.*



Graphite **BOILER**

Model **GR910-B**

CE tested for wood & mineral fuel
 Output to room (wood) **5.7kW**
 Output to water (wood) **9.4kW**
 Efficiency (wood) **74.9%**
 Output to room (SMF) **4.9kW**
 Output to water (SMF) **9.4kW**
 Efficiency (SMF) **74.3%**
 Net Weight (unpackaged) **177.3kg**



Dimensions (mm):

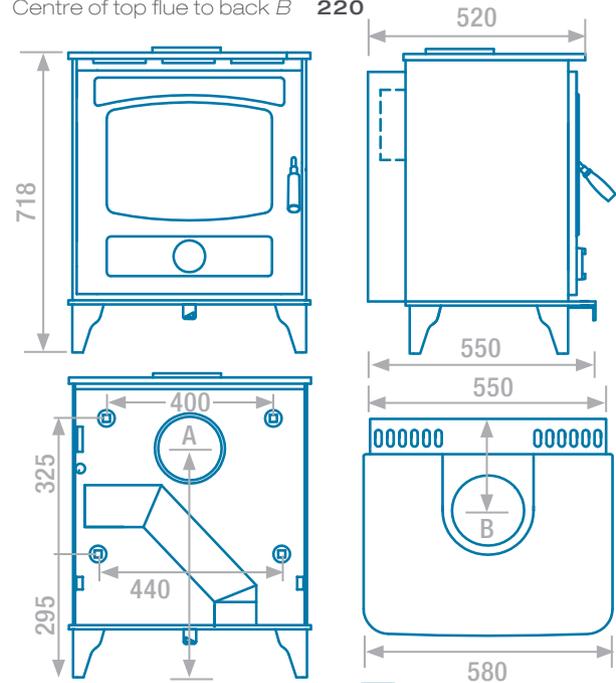
H718 W580 D550 inc' vent

Water ports (four at rear) **1" BSP**

Flue outlet dia' (top or rear) **150**

Height to centre of rear flue **A 548**

Centre of top flue to back **B 220**





Information correct at time of going to press.
Hi-Flame have a policy of continuous product improvement, therefore we reserve the right to alter Graphite stove specifications without prior notice. If any of the specification is critical to your purchasing decision then please check it with your authorised Graphite dealer who will be happy to help. Graphite is the trading name of Hi-Flame Fireplace UK Ltd.
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hi-flame
MULTI FUEL STOVES

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