

EXCEPTIONAL WOOD  
& MULTI-FUEL STOVES

charnwood 



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# charnwood



CHARNWOOD is a privately owned family business based on the Isle of Wight. Established in 1972 we have become one of the foremost stove companies in Europe specialising in the manufacture of fine fires and stoves. As a company we believe in taking a strong ethical approach to every area of our business; whether it be in how we design and build our stoves, how we treat our customers or the impact our products have on the environment.

Our stoves are designed and built to last. Even thirty five years after building our first stove there are still many of our original models giving good service as they continue to heat peoples' homes. We believe that this is how it should be; whilst not everybody will want a thirty year old stove it is good to know that an investment in a Charnwood is more than a short term relationship.

Our company ethos includes buying, where possible, from local UK based suppliers. Our stoves are built in our own factory here on the Isle of Wight and are manufactured using a combination of high-tech precision machinery and skilled hand working. Many of our employees have been with us for over 20 years and have seen the company grow from an operation producing a few hundred stoves a year to one making many thousands of units that are sold worldwide. Affirming this achievement we were recently awarded The Queen's Award For Enterprise: International Trade.

Part of the success of Charnwood has been due to the loyal following of our customers. We always try to give first class service, to look after our customers and to ensure their needs are met. Whether it is for advice on installation, reassurance on operation or the need for spare parts we always strive to put the customer first. As a family business, with nine family members working in the company, we recognise the need for personal attention to detail and we always seek to give just that.

We hope you enjoy this brochure. In it you will find a wide range of our fires and stoves. Whichever one you choose we can guarantee you years of comfort and warmth, a product designed to bring a hearty welcome into your home.



# charnwood WOOD & MULTI-FUEL HEATING

There is nothing quite the same as heating your home with a real Charnwood fire. Not only does the ritual of loading a stove give a greater sense of achievement and satisfaction, it provides a warmth that no other energy source can equal. The benefits are numerous: a Charnwood stove will 'breathe' allowing the heat to seep into the very fabric of your home - the constant source of heat and continual air changes reduce condensation; and by burning renewable fuels such as wood you are participating in a natural cycle that is of great benefit to our environment.

We at Charnwood have unrivalled in-depth knowledge of real-fire heating and continue to invest a great deal of time and money into innovative stove design and development. Our appliances are a result of our intense research and over the years we have been at the forefront of the new generation of clean burning ultra efficient stoves. These are advanced appliances you don't have to light every morning: they'll deliver a reliable overnight burn providing warmth to the whole of your property and all with an amazing degree of control, economy and environmental friendliness.

The bodies of our wood-burning and multi-fuel stoves are British built from the best combination of materials for durability and design aesthetics: plate steel, cast iron, fire brick and ceramic glass. These materials offer the best in strength and versatility with excellent heat retention properties. They also allow the stove to be tightly sealed ensuring optimum control over the burning rate - close down the air supply for a gentle overnight slumber or open it right up for an intense, blazing fire. The throat plate on all of our models can be taken out with ease, enabling the cleaning of the flueways and the chimney without the inconvenience of removing other internal fireparts. All our stoves are designed and built to comply with EN 13240:2001, ensuring the very best in efficiency, safety, design and construction. The bodies of our stoves are guaranteed for 10 years (with the exception of our boiler models which are guaranteed for 3 years) and all non-consumable body parts are guaranteed for 2 years.

## *clean-burn air-wash*

All the wood-burning and multi-fuel stoves featured in this brochure incorporate the latest clean-burn and air-wash technology. This means when burning your choice of fuel the volatile by-



products emitted by the initial burning are re-ignited and burnt again in the fire. This double combustion subsequently reduces emissions and ash deposits and delivers even more warmth to your room. Altogether a cleaner home, a cleaner chimney and much cleaner for our environment. In addition to this, the clean-burn airwash also keeps the glass doors beautifully clear, giving you an uninterrupted view of the fire.

## *versatility*

A centrally located stove can heat a home of moderate size or for larger homes our range of add-in boilers or central heating models can provide full home heating including domestic hot water. Within the Charnwood range there is a model to suit every home and individual requirement. For the ultimate in contemporary home heating we offer our latest stove the Tor (page 6) and the Cove collection (page 12). For a classic interior we offer the Island collection (page 20) or our traditional Country range of stoves (page 28) or for a more modern feel we offer the SLX (page 38).

## *environment*

It is a fact that our global fossil fuel energy reserves are finite and should be used sensibly. The burning of wood on a Charnwood stove

makes great environmental sense for a number of powerful reasons:

*Wood is one of the few renewable fuels. Growing trees for fuel is a viable and sensible option. Using wood means we are preserving our valuable fossil fuel reserves for future generations.*

*Trees consume as much, if not more CO<sub>2</sub> when they grow as they emit when they burn. So providing there is managed replanting, heating with wood is a positive way to reduce CO<sub>2</sub> emissions. This is in stark contrast to all fossil fuels.*

*Governments throughout the world are committed to reducing CO<sub>2</sub> emissions: with a Charnwood you too can play a part in this.*

*When you burn wood on a highly efficient Charnwood stove you reduce the need for other forms of heating and in turn do your bit to save fossil fuels, CO<sub>2</sub> emissions and the planet!*

As well as the environmental benefits a Charnwood stove also gives you the freedom from dependence on the large energy utilities. At a time when there is increasing concern over stability of supply throughout the world it is nice to know that a Charnwood gives, in a most beautiful way, that certainty of warmth during periods of interrupted supply.



## TOR

The TOR is the new contemporary wood burning stove from Charnwood. Three

gently curved glass panels offer a spectacular view of the fire from the front and from the sides whilst a highly advanced combustion system ensures exceptional clean burning and outstanding efficiency. The Tor is available in 2 sizes: The Tor (3-10kW) and The Tor Pico (2-7kW). Both models employ the latest smoke reducing technology - allowing wood to be burnt in smoke control areas.



Optional bevel edged stone top gives an alternative look and also stores heat.

Cool-to-touch handle for safe and easy re-loading.

Charnwood's renowned riddling grate for optimum burning efficiency and clean de-ashing directly into an ingenious combined ash pan and carrier for safe and dust free disposal.

Charnwood's patented Quattroflow® air management system. One simple control to introduce air to just the right places and in just the right amounts. Simply pull out to burn faster or push in to slow it down (see page 21).



## TOR PICO



The Charnwood Tor Pico is the latest addition to the Tor range delivering 2-7kW to the room. With a rated output of 5kW it is exempt from the British building regulation to have an additional air supply into the room. However for further comfort and efficiency the Tor Pico incorporates an intergrated external air connection. See pages 53 and 60 for full specification and colour options.



## TOR

The original Charnwood Tor delivers a respectable 3-10kW of heat to your room. The Tor is designed to maximise the view of the fire whilst simplifying the burning process. See pages 53 and 60 for full specification and colour options.





The Cove collection is one of Charnwood's most successful range of wood burning stoves: a union of the very best features of our past and present stoves finished with a soft contemporary edge.

One single, curved door offers a breathtaking view of the fire whilst its highly advanced combustion system ensures optimum efficiency and an exceptionally clean burn - ensuring more heat from less fuel.

Whilst the Cove is sophisticated in design it is incredibly simple to operate. One multi-functional tool is used to open the door, de-ash and empty. It features Charnwood's un-rivalled multi-fuel converting grate, advanced clean-burn technology and the patented Quattroflow<sup>®</sup> air management system (see page 21). An optional external air manifold\* is also available enabling an outside air supply to be channelled directly into the stove through the rear of the Quattroflow<sup>®</sup> box (see page 53). The Cove stove is available in three sizes with a choice of three base options and eight Charnwood Colours (see page 60). Smoke reducing (sr) models are also available within the Cove range. These are DEFRA exempted appliances - allowing wood to be burnt in smoke control areas.



All Cove stoves have been independently certified to conform to EN 13240:2001 and meet the UK building requirements for installation with a 12mm non-combustible hearth.

THREE OUTPUTS

THREE BASE OPTIONS

CONVERTING GRATE

QUATTROFLOW<sup>®</sup> AIR MANAGEMENT SYSTEM





The COVE 1 is the smallest in the COVE family. With simple clean lines and a single door, giving an excellent view of the fire, the Cove 1 is ideal for the smaller room. With its fully controllable Quattroflow® air management system it provides between 2 and 6kW of heat with superb efficiency. With a rated output of 4kW the COVE 1 can be installed without the need for external air. The colour (see page 60) and base options make this a very versatile stove setting new standards in the small stove arena.



The COVE 1sr is a separate smoke reduction model that is DEFRA exempted for burning wood in smoke control areas.





With its gentle curved door and soft lines the Charnwood COVE 2 creates a powerful centre point for any room. It delivers a respectable 8kW of heat with a maximum output of 11kW. The base options (as pictured below) give the stove three very different looks. The low stand is perfect for fitting the appliance into a standard fireplace opening whilst the store stand and centre stand are ideal for a large inglenook or a freestanding situation. It is also available in a choice of eight colours.



The COVE 2sr is a separate smoke reduction model that is DEFRA exempted for burning wood in smoke control areas.



Top: Brown COVE 2 with centre stand • Opposite: Black COVE 2 with store stand, Bodj square floor tiles (see page 62)  
Above L-R: • COVE 2 With low stand, store stand and centre stand • Further specifications on page 55





The Charnwood COVE

3 is the largest stove in

the Cove range. With a

rated output of 12kW

and a maximum of 16kW it is ideally suited to a larger room, hall or open plan area. The Cove 3 is able to take a log length of up to half a metre and with its tall curved door offers a spectacular view of the fire. Once again it comes with a versatile choice of three base options and eight colour ways to suit different situations.



Top: Almond COVE 3 with low stand • Opposite: Bronze COVE 3 with store stand • Above L-R: COVE 3 With low stand, store stand and centre stand • Further specifications on page 55





## ISLAND

The Charnwood Island range sets the definitive standard for clean-burning multi-fuel stoves. When this collection was launched it revolutionised multi-fuel home heating creating the benchmark in environmentally clean-burn, single controlled stoves. The result is highly sophisticated simplicity. What sets the Island stoves apart from all other multi-fuel stoves are its unique and exceptional features:

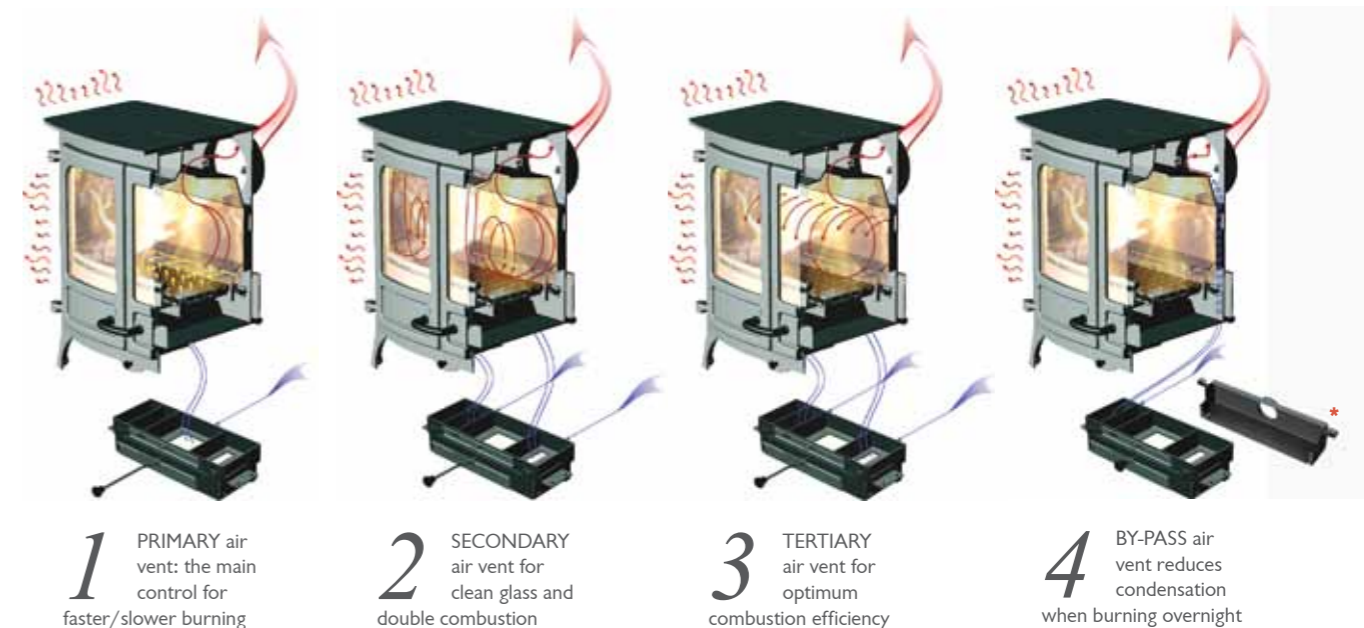
- One simple air control - the Quattroflow® - push in to burn slower, pull out to burn faster (see right).
- A 'cool to touch' handle for safe and easy reloading.
- The ultimate multi-fuel grate for burning your chosen fuel at optimum efficiency (see right).
- Clean-burn, air-wash system using preheated air for combustion purposes which ensures clean glass & reduced emissions.
- Firebrick lined and made from the best combination of 5 and 10mm plate steel, cast iron and ceramic glass.
- Drop-down throat plate for enabling the chimney to be swept through the stove.
- The ability to burn wood logs in smoke control areas if fitted with a smoke reduction kit.

The Island stove is available in three sizes, with an option of high legs or a store stand and in a choice of eight Charnwood Colours (see page 60)

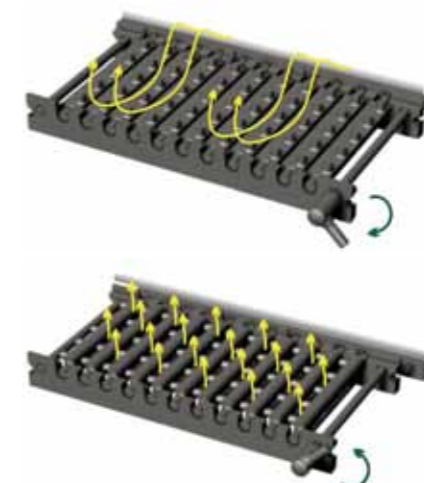


All Island stoves have been independently certified to conform to EN 13240:2001 and meet the UK building requirements for installation with a 12mm non-combustible hearth.

**Quattroflow® Air Management System** • This is a revolutionary air management system patented by Charnwood and used on the Tor, Cove and Island models. Using 4 air chambers the single control introduces the right amount of air into just the right places for ultra efficient burning and optimum control: pull out to increase the burning rate - push in to slow it down. \*An optional external air manifold is also available enabling an outside air supply to be channelled directly into the stove through the rear of the Quattroflow® box (see page 53).



The Charnwood multi-fuel grate is the very best grate system on the market. Built into all Cove, Island, SLX and Country 16b models, the grate can be altered to ensure the most efficient burning conditions. By operating a lever on the side of the stove, with the tool provided, a series of grate bars can be set into a closed, flat bed position (the most efficient way to burn wood) or to an open grate for ultra efficient burning of coal and smokeless fuels. This grate also acts as a highly effective riddling mechanism, neatly dropping the ash into the wall-to-wall pan below for clean disposal. Because the grate is operated externally all of these manoeuvres can be carried out with the doors closed and when the stove is fully loaded and under fire.



**CLOSED POSITION** for wood & peat - allowing a bed of ash to build up to let the air flow across the fire.

**OPEN POSITION** for coal & smokeless fuels - allowing the air to flow up through the fuel. In this position the open bars facilitate easy ash removal whether burning wood or coal products.



The Charnwood Island I is the smallest stove in the Island collection. Its uncomplicated looks and gentle curves ensure it sits well in any situation; be it modern or traditional. Delivering an output of 2-7kW of heat it can take a log length of up to 370mm (14.5"). With a rated output of 5kW the Island I can be installed without the need for external air. For further specifications and colour options turn to pages 56 & 60.



This stove may burn wood logs in smoke control areas if fitted with a smoke reduction kit (contact your local stockist for details).



Top and opposite: Black ISLAND I • Above, L-R: standard ISLAND I, with high legs, with store stand





The Charnwood Island II is the middle stove in the Island collection. With a slightly larger view of the fire it still retains its clean-line proportions while producing a rated 8kW of heat to the room. It can take a log length of up to 440mm (17"). For further specifications and colour options turn to pages 56 & 60.



This stove may burn wood logs in smoke control areas if fitted with a smoke reduction kit (contact your local stockist for details).



Top: Black ISLAND II and Black ISLAND II with high legs. Opposite: Black ISLAND II with store stand. Above, L-R: standard ISLAND II, with high legs, with store stand.



The Charnwood Island III is the largest stove in the Island collection. Its majestic proportions make it ideal for larger rooms and open plan areas. Exuding a rated 12kW of heat, this is a stove that can take an incredible log length of over half a metre. The Island III offers a spectacular view of the fire. A true wide-screen experience. For further specifications and colour options turn to pages 56 & 60.



This stove may burn wood logs in smoke control areas if fitted with a smoke reduction kit (contact your local stockist for details).



Opposite: Black ISLAND III • Above, L-R: standard ISLAND III, with high legs, with store stand



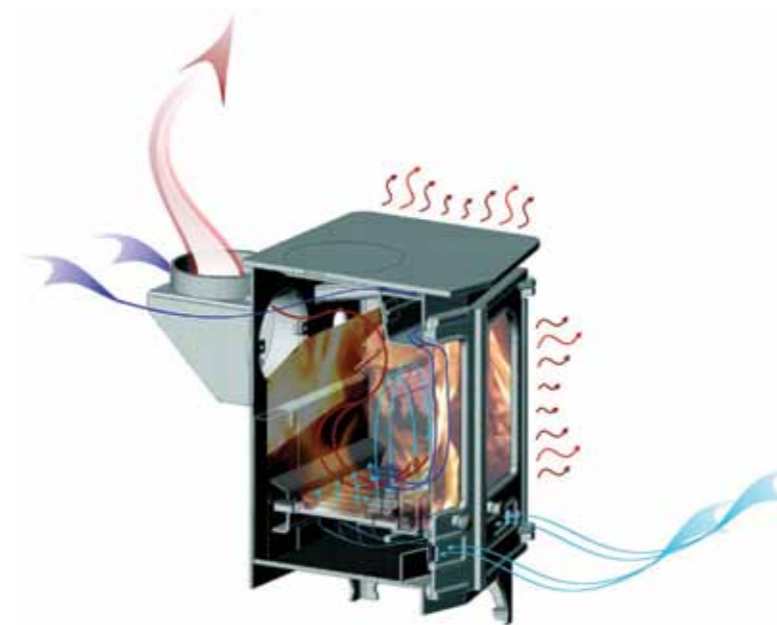
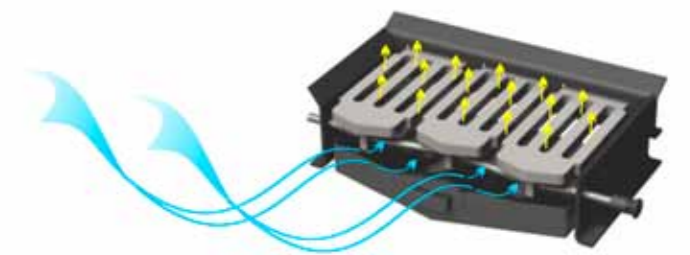
The Charnwood Country collection is our well established range of traditional wood and multi-fuel burning appliances.

Our Country stoves have acquired an excellent reputation over the years having been installed in thousands of homes across the globe.

The single door Country 4 has gained an almost cult following, whilst the distinct double angled doors, of the other Country models, has established this range as a true classic.

As with all the stoves in this brochure the Country range incorporates superb clean-burn technology for ultra efficient and eco-friendly home heating

There is a stove in this range for virtually every home heating requirement; from a small room heating stove to a full central heating boiler model.



The Country collection is essentially a range of wood-burning stoves (with the exception of the boiler models which are true multi-fuel stoves). However we do offer an optional reciprocating grate (pictured above). This is an easily fitted, drop in system that converts a Country wood-burner into a multi-fuel stove should you wish to burn coal or smokeless fuels. When installed, solid fuel will burn more efficiently by allowing the air to flow under the fire bed. Its neat, external riddling action and ash pan ensure easy cleaning and keep mess to a minimum.

**CE** All Country dry stoves have been independently certified to conform to EN 13240:2001



## 4 country

The Country 4 is the smallest model in the wood & multi-fuel room heating collection, yet still incorporates the ingenious features of the larger stoves. It is a neat, sturdy, yet graceful little fire and with a rated output of 4kW can be installed without the need for external air. The single door gives a complete and clear view of the fire and features a spinning primary air wheel for optimum control over the burning rate. In spite of its size, the Country 4 takes a decent sized log length of 330mm (13") making it a very popular

choice in the small stove market. An optional back boiler can be fitted to heat your domestic hot water or a couple of small radiators. We also offer an easily fitted drop-in riddling grate should you wish to burn coal or smokeless fuels. A small clip-on front shelf can also be fitted and we now offer an optional decorative front fence for a more traditional look. The stove is available in a choice of stunning Charnwood colours (see page 60) and finished with touches of solid brass and a turned wooden door handle: an all round faithful friend.

*This model is also available as an electric version. See page 60*



Top: Almond Country 4 • Opposite Black Country 4 with optional decorative fence • Above L-R • Country 4, with optional shelf, with optional decorative fence, optional drop-in grate • Further specifications on page 57



## 6 country

The Country 6 produces a stunning 6kW of heat. Being the next step up within the Country collection it features large, twin angled doors to optimise the view of the fire which, when desired, can be folded back against the stove so as to enjoy an open fire. The Country 6 has a robust construction featuring a brick lined fire box with the ability to burn 380mm (15") logs.

The Country 6 produces a stunning 6kW of heat. Being the next step up within the Country collection it features large, twin angled doors to optimise the view of the fire which, when desired, can be folded back against the stove so as to enjoy an open fire. The Country 6 has a robust construction featuring a brick lined fire box with the ability to burn 380mm (15") logs.

The detachable tool handle that operates the doors ensures maximum safety. Once again it has the option of a reciprocating grate and a small back-boiler to provide domestic hot water or to heat around two radiators. This model also comes with the option of a clip-on shelf as well as a slide-on canopy for a very different look altogether. Yet again the stove is finished with touches of solid brass and is available in a choice of eight shades of colour (see page 60).



## 8 country

The Country 8 has always been a very popular

choice of stove, delivering around 8kW of heat to the room. Once again it has large twin doors that fold back against the stove and comes complete with a fixed front shelf. All the standard features apply: air wash, clean burn technology and brick

firebox lining, as well as an optional canopy, as riddling grate, back-boiler and choice of colours (see page 60). This is an exceptional stove and, as many existing customers will tell you, an excellent investment to the home. Come back to embracing warmth.



## 12 country

The Country 12 is the largest in our Country roomheater range. With a rated output of 12kW it is well suited to a larger room or an open plan area. It blazes with superb, clean-burn, efficiency coupled with minimum mess, leaving your home thoroughly warmed.

It takes a large log size of up to 430mm (17"). The options of a slide-on canopy, back-boiler, drop-in riddling grate and choice of colours (see page 60) all apply. As with all the stoves in the Country range the 12 is built from a substantial combination of the best materials and enhanced with touches of solid brass.





The Charnwood SLX 20 is a multi-fuel stove with a more contemporary feel and sophisticated operation. It simplifies the real fire process: burning less fuel, more cleanly with maximum efficiency and low emissions. It is available in a number of sizes to suit your specific heating needs: from a pure room heater through to full central heating (see page 48). All this whilst retaining a simple, stylish look.

The SLX 20 has been carefully designed to get the very best out of the fuel that is burnt. This can be wood, coal, smokeless fuel, briquettes or even peat. All these fuels can be burnt at optimum efficiency, on the well-proven Charnwood multi-

fuel grate. This is the same grate used in our Country 16b and all Cove and Island models: the best grate system on the market. Simple, clean and highly effective (see page 21). The cast iron and plate steel exterior is finished in either gloss black vitreous enamel (as pictured above) or a durable matt stove paint (pictured opposite in black but also available in eight Charnwood colours - see page 60).

The SLX 20 is purely for room heating delivering up to 5.4kW of heat. It is fully controllable with a built in thermostat to regulate the heat output to the room. Both the inset and freestanding models come with the option of a small add-in-boiler to heat the domestic hot water.





CHARNWOOD'S range of boiler stoves are designed specifically for those wishing to run a full central heating system. The benefits of a 'real fired' central heating system as opposed to gas, electric or oil are numerous: the constant heat source, elimination of condensation and the continual air changes caused by a 'breathing' heating appliance, are far more beneficial to health and well-being than its counterparts. The high efficiency of these Charnwood boilers also offers significant environmental benefits; producing less CO<sub>2</sub> emissions than an equivalent

gas or oil boiler. As with all our wood and multi-fuel burning models we incorporate an airwash system which will ensure superb clean-burning and a clear view of the fire at all times regardless of what fuels are burnt. The 2B, IIIb, 16b and SLX stoves also feature our unrivalled riddling grate as standard to allow easy removal of ash. The grate can also be opened slightly to increase burning rate when required. The reputation of our boiler models is unrivalled in the market place and we are widely considered to be the clear market leaders in this field.

### BOILER SIZING

Our boiler stoves conform to the EN13240 standard and we publish these results in the relevant guides. When choosing a boiler stove it is important to find the correct stove for your system and to compare each stove on the same basis. These are some of the factors you should take into account:

**STOVE OUTPUT:** This is measured in terms of kW output to the boiler and kW output to the room. The outputs quoted are those of the EN13240 test. In the home situation these outputs and the split will be dependant on a number of factors such as:

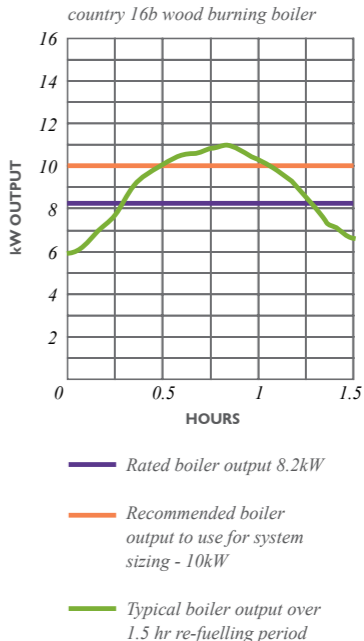
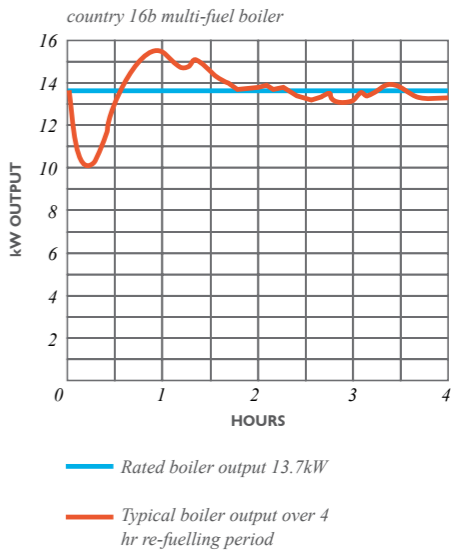
**Fuel used** - wood generally shows a higher ratio of heat to room (you can see the flame when the fire is turned up therefore more radiant heat is emitted). There are also variations in different types of solid fuel – we generally test on anthracite.

**State of the fire** - in slumber mode there will be a higher heat to the boiler and less to the room. Over time the outputs also vary (see example graphs opposite)

**Reloading time** - our tests are carried out using reloading times of 1½ hours for wood and 4 hours for solid fuel. If you load more often you will get a higher output, less often will give you a lower output. In reality when your system is cold your loading interval will be shorter. Once the system is up to temperature you will load at much longer intervals as you are just 'topping' the system up.

**NUMBER OF RADIATORS:** This is a very rough guide. For solid fuel we assume 3kW for hot water and around 1kW for each radiator. For wood burning we calculate this differently as the burning profile (see graph) is different. **It is very important that you ask your heating engineer to determine the correct size** – for example in some calculations the 16b can be said to heat up to 17 radiators!

As you can see, unlike a gas or oil boiler a solid fuel boiler has a lot of different variables which affect its heat output. Therefore when choosing a boiler it is important to consider how the outputs are arrived at. In the UK the HETAS guide allows you to compare heat outputs and refuelling times on tested products. For details on these visit [www.hetas.co.uk](http://www.hetas.co.uk)





The COVE 2B is the latest addition to Charnwood's unrivalled range of biomass and multi-fuel boiler stoves.

Based on our contemporary Cove stove the COVE 2B incorporates a thermostatically controlled integral boiler sufficient to power up to 7 radiators plus domestic hot water. The stove features Charnwood's clean burn air wash system and renowned converting grate (page 21) for optimum fuel flexibility and easy ash removal.



**CE** The Cove 2B has been independently certified to conform to EN 13240:2001 and meets the UK building requirements for installation with a 12mm non-combustible hearth.

Opposite: Gunmetal Cove 2B. Further specifications on page 58  
Colour specifications on page 60





The Island IIIb wood burning boiler stove is the ultimate in biomass heating. Equipped with the renowned

Charnwood riddling grate (page 21) for easy ash removal and fully boiler sensitive thermostatically controlled the Island IIIb combines leading edge boiler technology with its exceptional aesthetic design. As an integral boiler stove it is optimised to heat between 6 and 9 radiators plus hot water ensuring exceptional performance. It has a total output of 18kW and also features the 'cool to touch' handle and has the ability to burn logs up to 550mm.



**CE** The Island IIIb has been independently certified to conform to EN 13240:2001 and meets the UK building requirements for installation with a 12mm non-combustible hearth.



wood burner

**16<sup>b</sup>**  
**country**

#### THE COUNTRY 16b

Woodburner is a fully fledged biomass central heating

boiler. The total output is

15.4kW; 8.2kW to the water and 2-8kW to the room. This model will run around 7 radiators and supply all domestic hot water. It features the riddling grate to ensure easy ash removal and Charnwood's standard clean burn technology for ultra efficient burning. This model also features a water-temperature-sensitive thermostatic control which enables this stove to be used alongside sophisticated central heating controls. An optional canopy is also available.



multi-fuel

**16<sup>b</sup>**  
**country**

#### THE COUNTRY 16b Multi-fuel

delivers heat suitable for heating domestic hot water

plus around 10 radiators. It

has a total output of 19.2kW providing 13.7kW to the water and 2-6kW to the room. Once again it is thermostatically controlled with a multi-fuel riddling grate allowing a wide range of solid fuels to be burnt. Its deep fire bed allows solid fuel to be loaded up for excellent overnight burning performance. Despite burning solid fuels this boiler model can still offer significant environmental benefits. For example where a 50/50 mixture of wood and coal is burned the net CO<sub>2</sub> emissions can be reduced to less than an equivalent gas, electric or oil boiler.\* Increase the percentage of wood and the savings are even greater.



**CE** The Country 16b wood burning and multi-fuel models have been independently certified to conform to EN 13240:2001 and meet the UK building requirements for installation with a 12mm non-combustible hearth.

\* Taken from 'Multi-fuel Heating & The White Paper' copies available online at [www.charnwood.com](http://www.charnwood.com) • Further specifications on page 58 • Colour specifications on page 60



The SLX 45 has identical looks and features to that of the SLX20, but features a thermostatically controlled, integral boiler that delivers a heat output sufficient to power 8-9 radiators and ample hot water. Because it is fitted with a water temperature sensitive thermostat, heating controls (such as the Charnwood Central Heating Control System - page 51) can be fitted, to give heat precisely when and where it is needed.

Once again it is available as an inset or freestanding appliance with a choice of a matt paint finish (eight colour options - see page 60) or gloss black vitreous enamel.

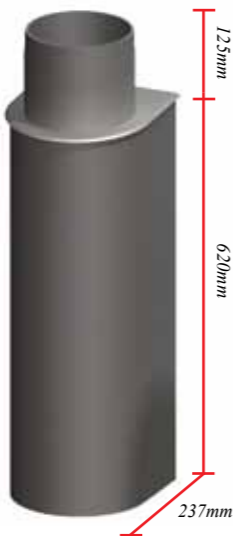


# charnwood FLUE BOILER

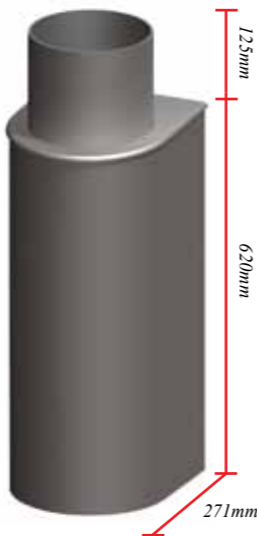
The flue boiler is Charnwood's latest home heating innovation. This revolutionary stove addition replaces the first few feet of the standard flue rising from the top of the stove and utilises the excess heat from the appliance that would otherwise be lost. In addition to this because the boiler is external the stove maintains its high clean-burn combustion efficiency. Depending on the size of stove and subsequent flue boiler, outputs of between 1.8 and 3.4 kW can be achieved with minimal effect on the nominal output of the stove. This can provide sufficient heat for domestic hot water and up to 3 radiators. The flue boiler comes in 3 sizes to fit all Tor, Cove, Country and Island dry models.



125mm (5")
1.8kW nominal output
Heating capacity: DHW or 2 rads
Suitable for: Cove 1 Country 4



150mm (6")
2.4kW nominal output
Heating capacity: DHW + 1 rad
Suitable for: Tor Pico Cove 2 Island I, II Country 6,8,12



178mm (7")
3.4kW nominal output
Heating capacity: DHW + 3 rads
Suitable for: Tor Cove 3 Island III

# charnwood REAR HEAT SHIELDS

Charnwood's rear heat shields are designed specifically for situations where space within the fireplace is limited. The dual skinned steel shield allows minimum rear wall clearances to be reduced.

The shield is available in a number of sizes for all Cove, Island and Country dry models. Speak to your local stockist or visit [www.charnwood.com](http://www.charnwood.com) for further details.



# charnwood CENTRAL HEATING CONTROL SYSTEM



The Charnwood central heating control system is a pre-wired kit suitable for use with all multi-fuel room heaters, cookers and boilers with a water temperature sensing thermostat. The system gives a fully automatic timed control with built in safety features for your central heating system and can result in significant fuel savings. A high-level pipe thermostat prevents the system boiling by bringing on the

pump if the pre-set temperature is reached. The low-limit thermostat cuts out the pump if the water temperature in the boiler falls below the pre-set limit thus cutting down boiler condensation and increasing its life span. The system is completely pre-wired (with exception of the pump cable) comprising of a digital timer, two pipe thermostats, a convenient wiring centre, a cable for the pump and a 13amp plug.

# charnwood EXTERNAL AIR MANIFOLD

The Charnwood external air manifold is a device that enables an outside air supply to be channelled directly into the stove through the rear of the Quattroflow® box. In addition to providing further comfort and operational efficiency for your stove the air manifold satisfies British building regulations which require an additional air supply into the room for stoves with a rated output in excess of 5kW. It is available for all Cove and Island dry models.



# charnwood STOVE SELECTOR



The roomset images throughout this brochure and on our website are designed to inspire and help you to visualise different stoves in different settings. To assist you further in realising your own requirement Charnwood have created the Stove Selector. This 3D virtual tool enables you to create your living room online and ‘walk’ around viewing your stove from every angle and allowing you to see how it complements your decor.

[www.charnwood.com/stove-selector](http://www.charnwood.com/stove-selector)

# charnwood SPECIFICATIONS

When choosing your stove it is important to pick the right size stove for your room by taking into account the RATED OUTPUT: This is the kilowatt output achieved in the European standard test (EN 13240). We have also put together a simple calculator on our website and of course your Charnwood dealer will be on hand to advise you in much more detail.

[www.charnwood.com/stove-calculator](http://www.charnwood.com/stove-calculator)

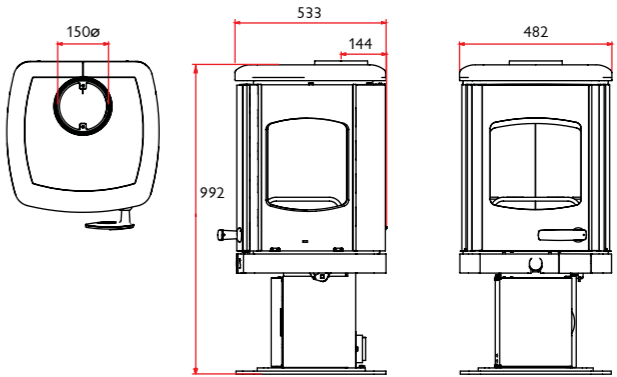


Pewter TOR

## TOR PICO

The TOR Pico is DEFRA exempted for burning wood in smoke control areas.

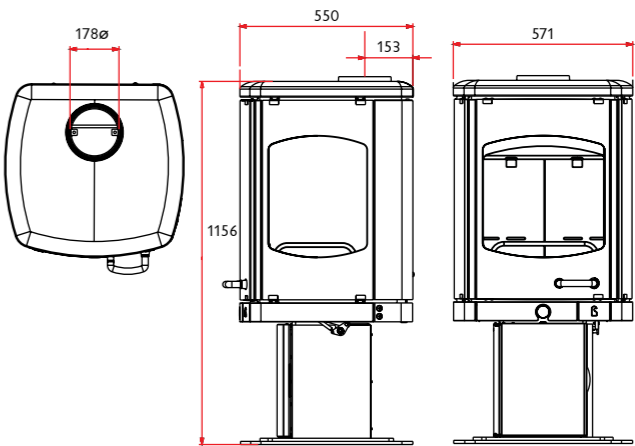
<b>RATED OUTPUT</b>
5kW (range 2-7kW)
<b>NET EFFICIENCY</b>
79.2%
<b>FLUE OUTLET</b>
Top only 150mm (6") dia.
<b>MAX. LOG LENGTH</b>
300 mm
<b>WEIGHT</b>
160kg



## TOR

The TOR is DEFRA exempted for burning wood in smoke control areas.

<b>RATED OUTPUT</b>
8kW (range 3-10kW)
<b>NET EFFICIENCY</b>
73.1%
<b>FLUE OUTLET</b>
Top only 178mm (7") dia.
<b>MAX. LOG LENGTH</b>
370 mm
<b>WEIGHT</b>
220kg





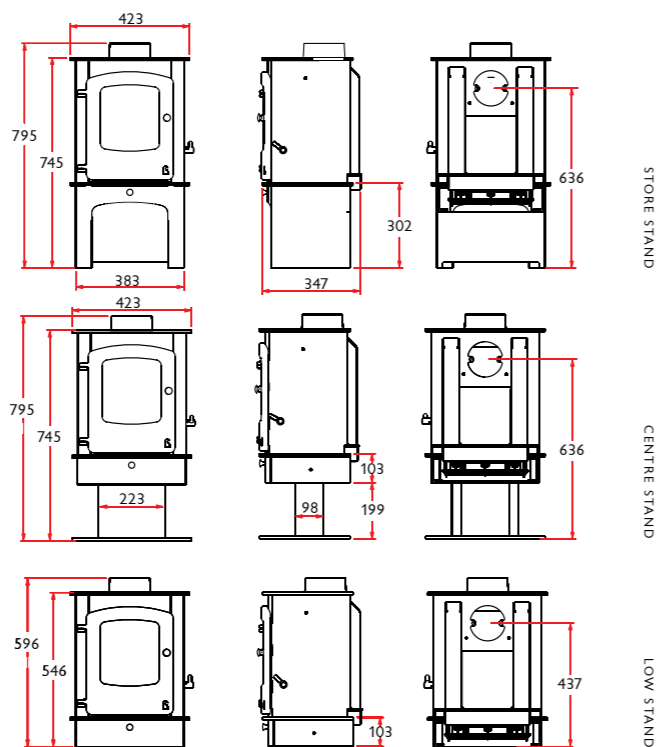
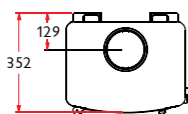
Black COVE 2

## 1 COVE

### 1sr COVE

The COVE 1sr is a separate smoke reduction model that is DEFRA exempted for burning wood in smoke control areas.

RATED OUTPUT
4kW to room (range 2-5kW)
NET EFFICIENCY
76.5%
FLUE OUTLET
Top or Rear 125mm (5") dia
MAX. LOG LENGTH
300 mm (12")
WEIGHT
Store stand - 96kg Centre stand - 104kg Low stand - 89kg

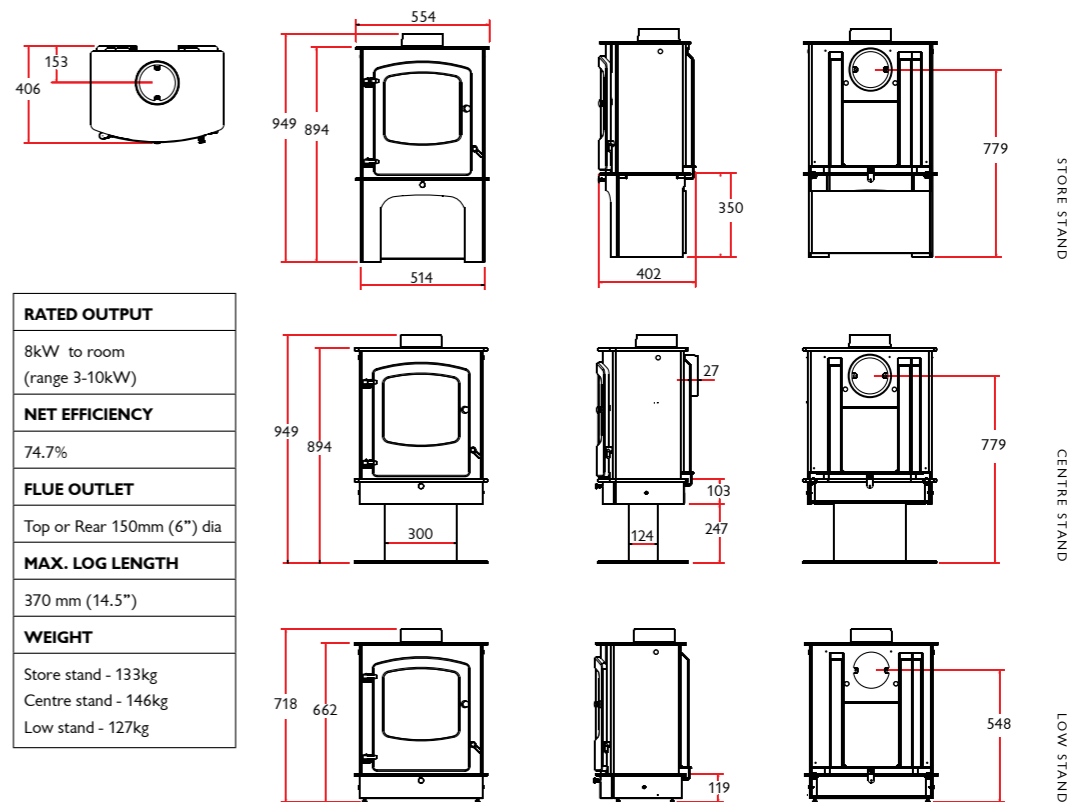


## 2 COVE

### 2sr COVE

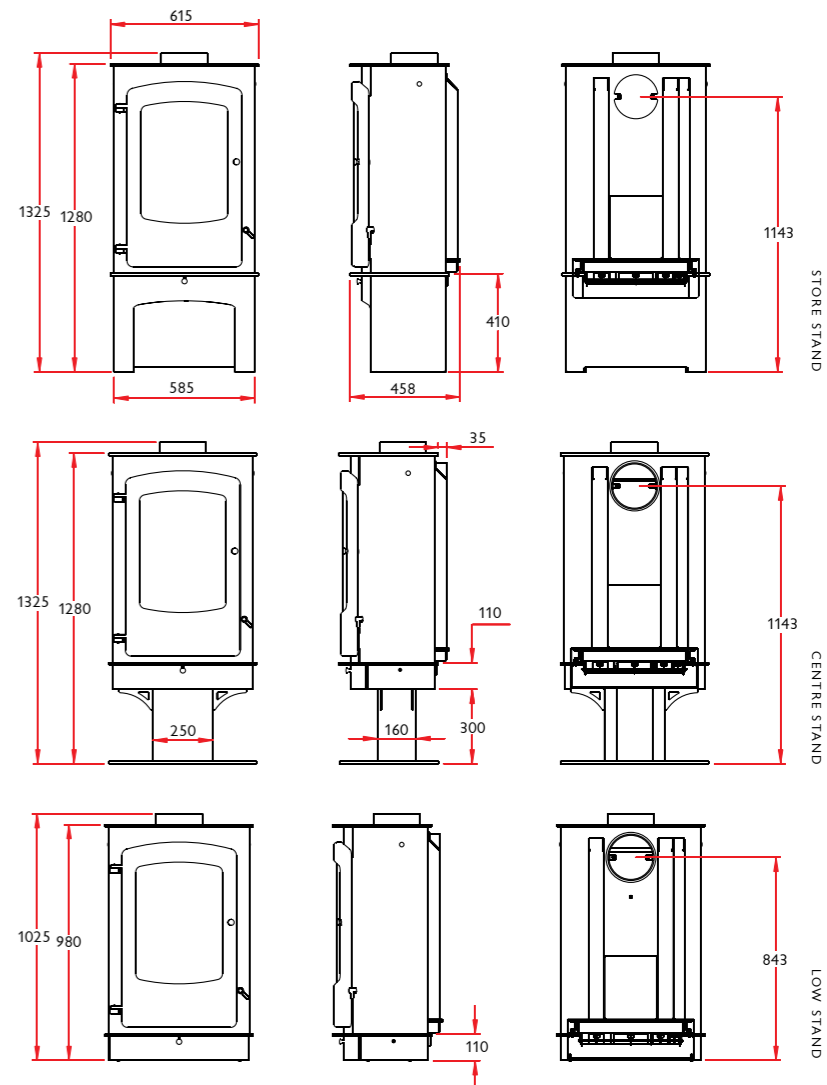
The COVE 2sr is a separate smoke reduction model that is DEFRA exempted for burning wood in smoke control areas.

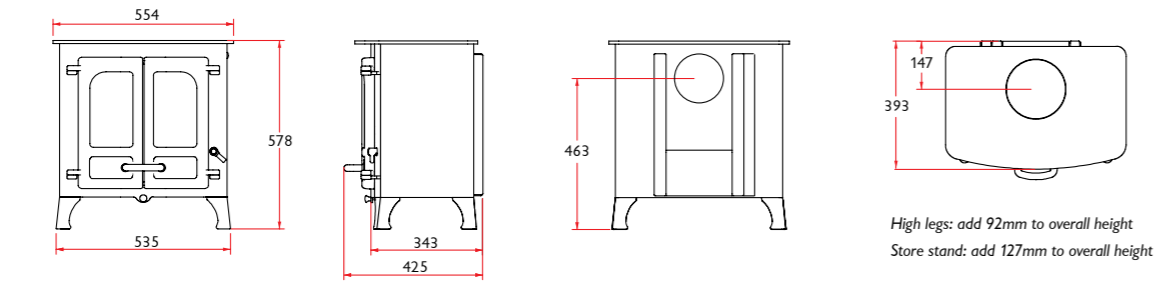
RATED OUTPUT
8kW to room (range 3-10kW)
NET EFFICIENCY
74.7%
FLUE OUTLET
Top or Rear 150mm (6") dia
MAX. LOG LENGTH
370 mm (14.5")
WEIGHT
Store stand - 133kg Centre stand - 146kg Low stand - 127kg



## 3 COVE

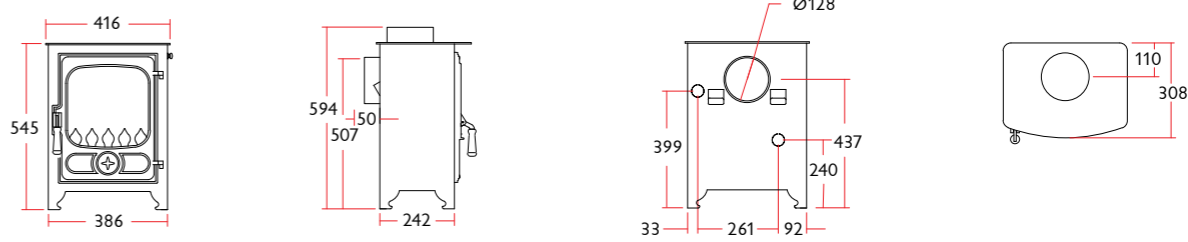
RATED OUTPUT
12kW to room (range 7-16kW)
NET EFFICIENCY
78.4%
FLUE OUTLET
Top or Rear 178mm (7") dia
MAX. LOG LENGTH
500 mm (20")
WEIGHT
Store stand - 171kg Centre stand - 187kg Low stand - 159kg





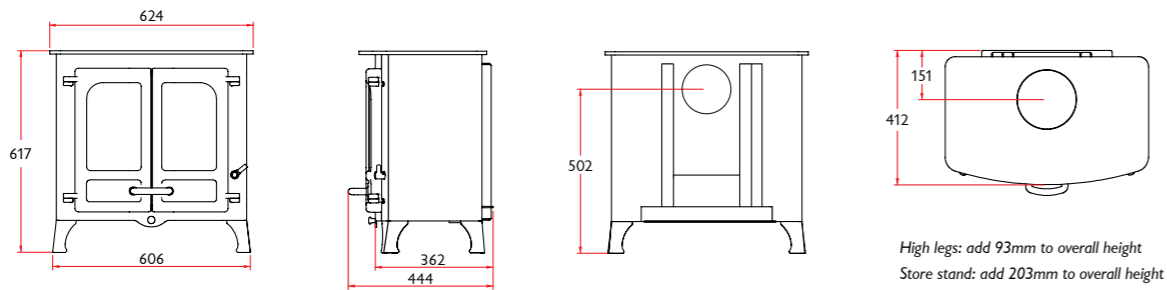
<b>RATED OUTPUT</b>	5kW to room (range 2-7kW)
<b>NET EFFICIENCY</b>	77.9%

<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia
<b>MAX. LOG LENGTH</b>	370 mm (14.5")
<b>WEIGHT</b>	130kg



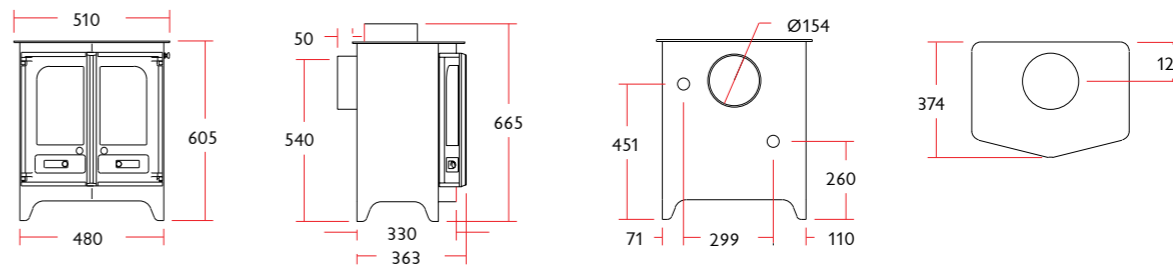
<b>RATED OUTPUT</b>	4kW to room (range 2-5.5kW) Optional boiler 2.2kW
<b>NET EFFICIENCY</b>	81.2%

<b>FLUE OUTLET</b>	Top or Rear 125mm (5") dia.
<b>MAX. LOG LENGTH</b>	330 mm (13")
<b>WEIGHT</b>	62kg



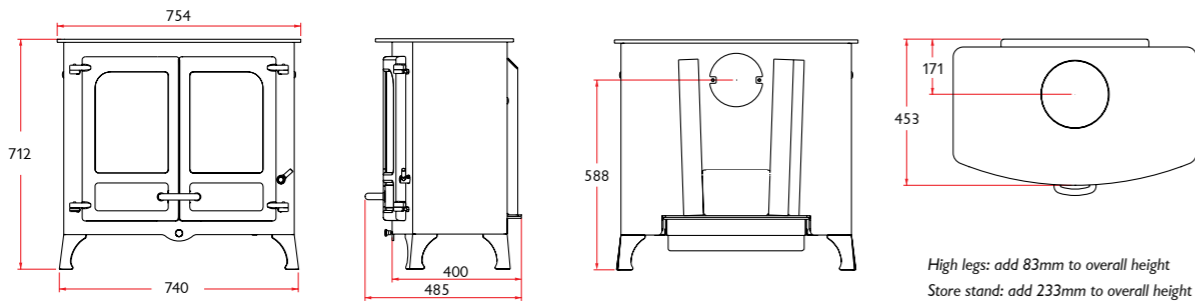
<b>RATED OUTPUT</b>	8kW to room (range 5-11kW)
<b>NET EFFICIENCY</b>	78%

<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia
<b>MAX. LOG LENGTH</b>	440 mm (17")
<b>WEIGHT</b>	140kg



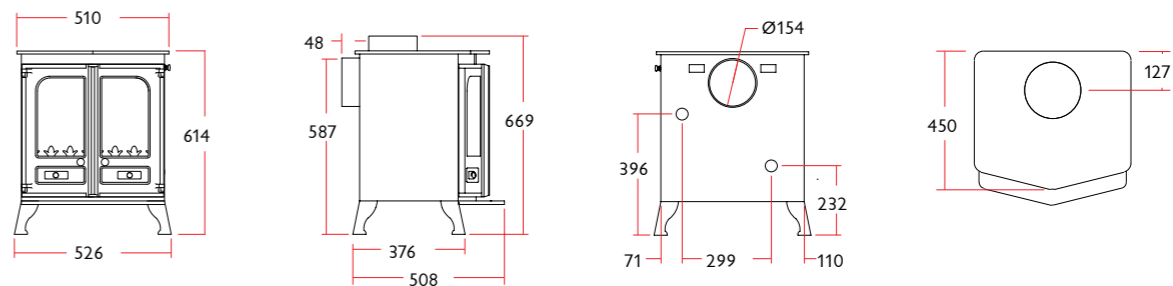
<b>RATED OUTPUT</b>	6kW to room (range 2-8kW) Optional boiler 2.9kW
<b>NET EFFICIENCY</b>	80.5%

<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia.
<b>MAX. LOG LENGTH</b>	380 mm (15")
<b>WEIGHT</b>	90kg
<b>OPTIONAL CANOPY</b>	Overall H734 W552 D413mm



<b>RATED OUTPUT</b>	12kW to room (range 8-16kW)
<b>NET EFFICIENCY</b>	76.4%

<b>FLUE OUTLET</b>	Top or Rear 178mm (7") dia
<b>MAX. LOG LENGTH</b>	550 mm (21.5")
<b>WEIGHT</b>	180kg



<b>RATED OUTPUT</b>	8kW to room (range 4-11kW) Optional boiler 2.9kW
<b>NET EFFICIENCY</b>	79.8%

<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia.
<b>MAX. LOG LENGTH</b>	380 mm (15")
<b>WEIGHT</b>	105kg
<b>OPTIONAL CANOPY</b>	Overall H749 W552 D486mm

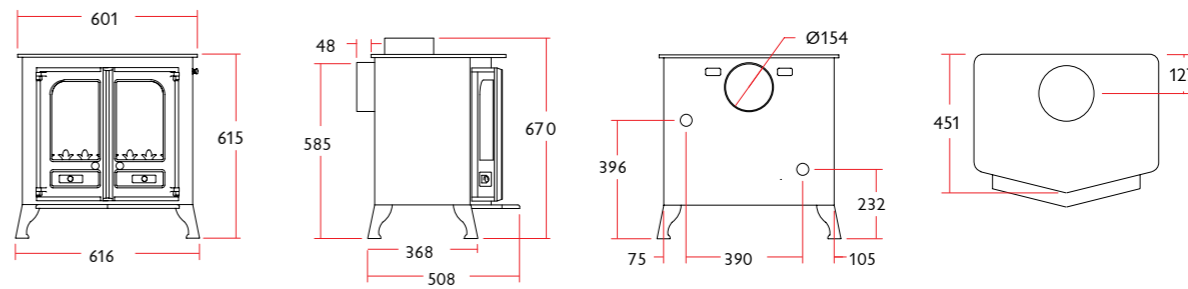
**CE** All Island dry stoves may burn wood logs in smoke control areas if fitted with a smoke reduction kit (contact your local stockist for details).  
All Charnwood stoves (with the exception of the SLX models) have been independently certified to conform to EN 13240:2001.  
All Tor, Island and Cove stoves meet the UK building requirements for installation with a 12mm non-combustible hearth.



A vertical rear flue adaptor is available for all Cove, Island and Country models. This enables you to position the stove further out into the room: away from the wall behind. This will add a depth of 186mm to the stove (Country 4 & Cove 1: 168mm and Island III & Cove 3: 220mm).



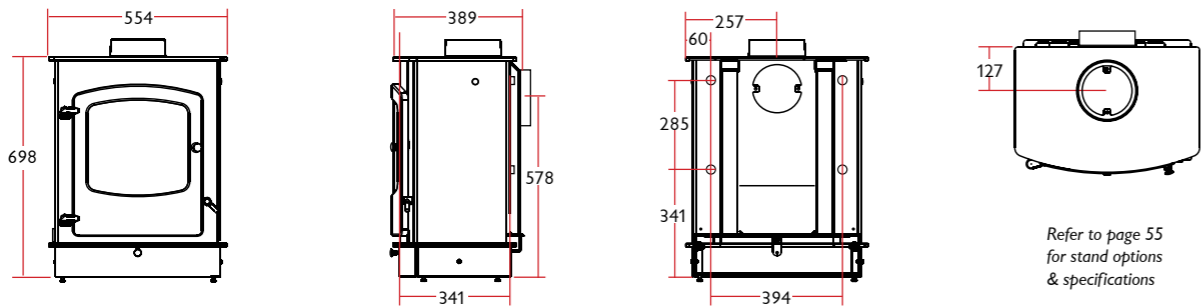
For clean, safe and effective disposal of ash, an optional ash-carrier is available for all our Cove, Island, Country and SLX models.



<b>RATED OUTPUT</b>	12kW to room (range 5-14kW) Optional boiler 2.9kW
<b>NET EFFICIENCY</b>	74.1%

<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia.
<b>MAX. LOG LENGTH</b>	430 mm (17")
<b>WEIGHT</b>	121kg
<b>OPTIONAL CANOPY</b>	Overall H793 W633 D472mm

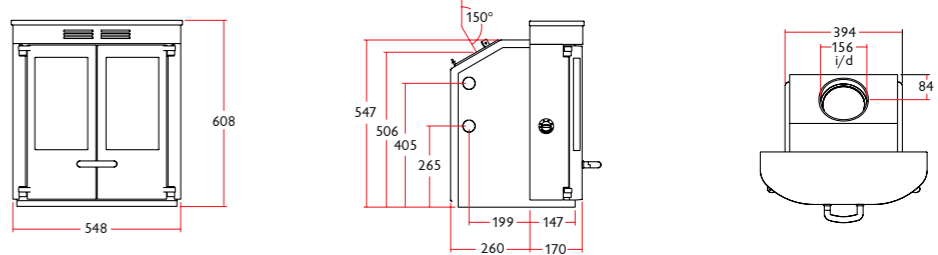
Use our 'stove calculator' at [www.charnwood.com](http://www.charnwood.com) for an approximate guide as to what size stove is suitable for the size of your room • Full dimensional drawings of the optional canopies and details of other accessories are available on request. Installation must be carried out by a competent engineer in accordance with Building Regulations and local by-laws. Full details are shown in the Installation & Operating Instructions which are available on request • Charnwood's policy is one of continuous development and we reserve the right to change sizes & specifications without notice.



<b>RATED OUTPUT</b> <i>*Wood *Anthracite</i>	Room 4.6kW (range 2-5kW) / Boiler 6.4kW Room 7.1kW (range 2-8kW) / Boiler 9.3kW	<b>NET EFFICIENCY</b>	74.6% / 76.5%
<b>HEATING CAPACITY</b> <i>*Wood *Anthracite</i>	DHW & approx. 5 radiators / 7 radiators Also suitable for underfloor heating	<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia
		<b>MAX. LOG LENGTH</b>	370mm (14.5")
		<b>WEIGHT</b>	145kg

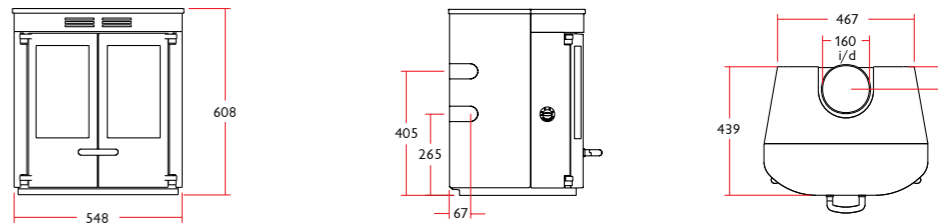
Refer to page 55  
for stand options  
& specifications

For an optional  
boiler 2x1" BSP  
male connections  
may be fitted  
either left or right.  
Max working head  
15.2m (50ft)

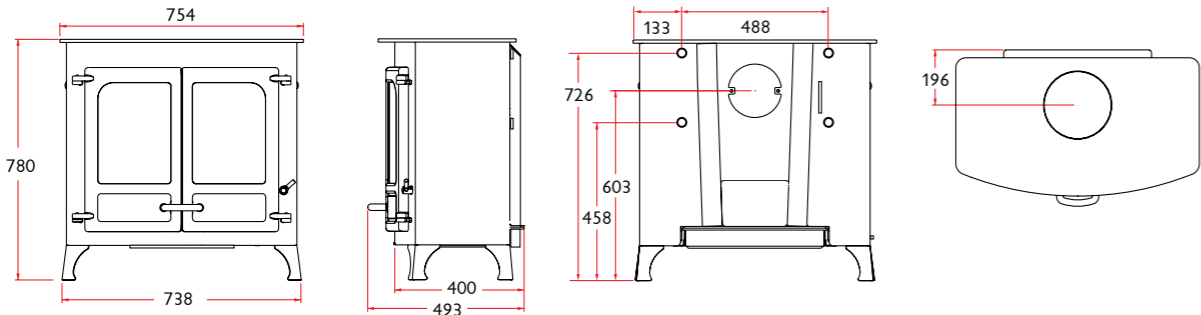


<b>RATED OUTPUT</b>	To room 5.4kW (range 2-7kW) To optional boiler 2.3kW	<b>MAX. LOG LENGTH</b>	280 mm (11")
<b>ROOM CAPACITY</b>	Approx. 108m <sup>3</sup> • 6.3 x 6.3m (20 x 20ft)	<b>WEIGHT</b>	125kg
<b>FLUE OUTLET</b>	150mm (6") dia. • 150° elbow required	<b>THERMOSTAT</b>	Body temperature sensing

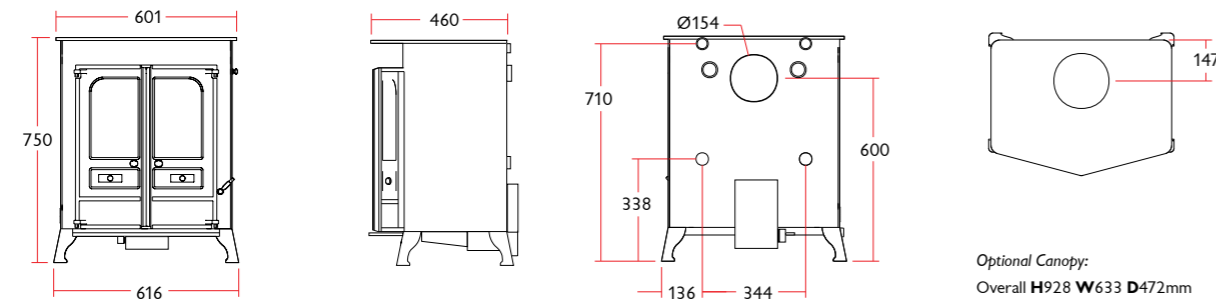
For an optional  
boiler 2x1" BSP  
male connections  
may be fitted  
either left or right.  
Max working head  
15.2m (50ft)



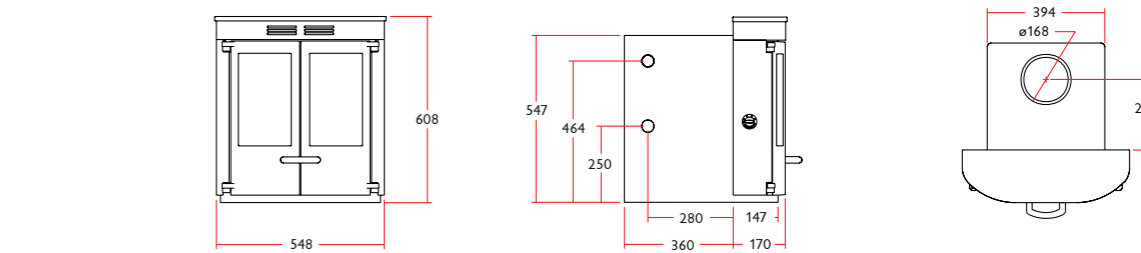
<b>RATED OUTPUT</b>	To room 5.4kW (range 2-7kW) To optional boiler 2.3kW	<b>MAX. LOG LENGTH</b>	280 mm (11")
<b>ROOM CAPACITY</b>	Approx. 108m <sup>3</sup> • 6.3 x 6.3m (20 x 20ft)	<b>WEIGHT</b>	130kg
<b>FLUE OUTLET</b>	150mm (6") dia.	<b>THERMOSTAT</b>	Body temperature sensing



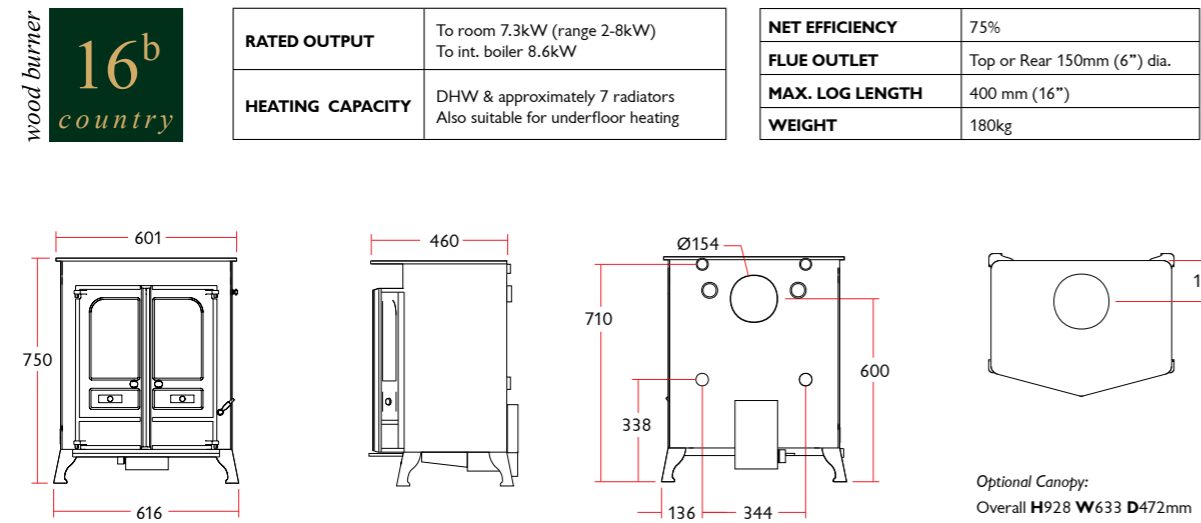
<b>RATED OUTPUT</b>	To room 9kW (range 4-9kW) To int. boiler 9kW	<b>NET EFFICIENCY</b>	73.3%
<b>HEATING CAPACITY</b>	DHW & approximately 6-9 radiators Also suitable for underfloor heating	<b>FLUE OUTLET</b>	Top or Rear 178mm (7") dia
		<b>MAX. LOG LENGTH</b>	550mm (21.5")
		<b>WEIGHT</b>	190kg



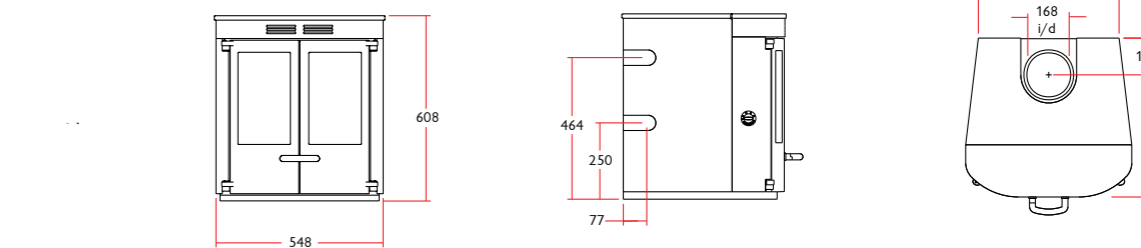
Optional Canopy:  
Overall H928 W633 D472mm



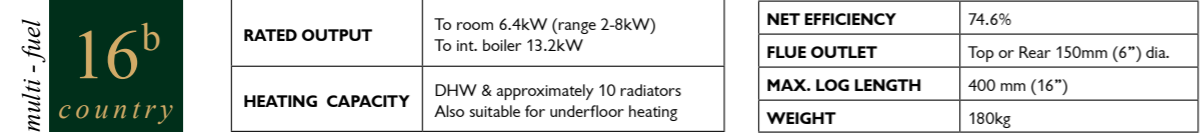
<b>RATED OUTPUT</b>	To room 3.5kW (range 2-5kW) To water 9.4kW	<b>FLUE OUTLET</b>	150mm (6") dia.
<b>HEATING CAPACITY</b>	DHW & approximately 8-9 radiators Also suitable for underfloor heating	<b>MAX. LOG LENGTH</b>	370 mm (14.5")
		<b>WEIGHT</b>	135kg
		<b>THERMOSTAT</b>	Boiler temperature sensing



Optional Canopy:  
Overall H928 W633 D472mm



<b>RATED OUTPUT</b>	To room 3.7kW (2-5kW) To water 9.2kW	<b>FLUE OUTLET</b>	150mm (6") dia.
<b>HEATING CAPACITY</b>	DHW & approximately 8-9 radiators Also suitable for underfloor heating	<b>MAX. LOG LENGTH</b>	370 mm (14.5")
		<b>WEIGHT</b>	140kg
		<b>THERMOSTAT</b>	Boiler temperature sensing



<b>NET EFFICIENCY</b>	74.6%
<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia.
<b>MAX. LOG LENGTH</b>	400 mm (16")
<b>WEIGHT</b>	180kg

<b>RATED OUTPUT</b>	To room 6.4kW (range 2-8kW) To int. boiler 13.2kW	<b>NET EFFICIENCY</b>	74.6%
<b>HEATING CAPACITY</b>	DHW & approximately 10 radiators Also suitable for underfloor heating	<b>FLUE OUTLET</b>	Top or Rear 150mm (6") dia.
		<b>MAX. LOG LENGTH</b>	400 mm (16")
		<b>WEIGHT</b>	180kg

# charnwood COLOUR

In addition to the standard Charnwood matt black, we also offer you a choice of seven other shades. It is a simple yet brilliant way to give the heart of your home a new lease of life. Either order your stove in the colour of your choice or purchase one of our paint kits to re-spray the stove yourself whenever you feel like a change.

Charnwood Colour is a specially developed, high temperature stove paint formulated for an easy application. It is suitable for the following stoves in the Charnwood range:

Tor, Cove, Island, Country, Matt finish SLX (Not suitable for the vitreous enamel finish) and Compton stove (electric).

Please note: we have reproduced the colours as faithfully as print will allow therefore the pictures should not be taken as an exact indication of colour.

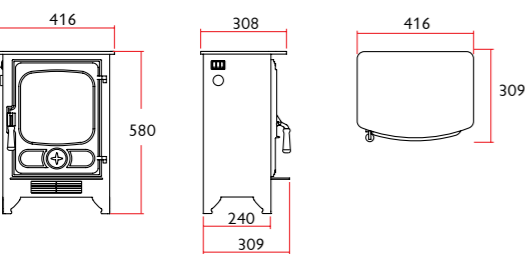


# charnwood ELECTRIC



We recognise that sometimes wood burning and multi-fuel appliances are not always the most practical option so for

these situations we offer the Compton electric stove. Built to the same specification as our Country 4 multi-fuel stove (page 30) the Compton features a 1 - 2kW thermostatically controlled fan heater with easily accessible high level controls.



OUTPUT TO ROOM	1-2 kW
WEIGHT	31kg



Above: Pewter Compton. Also available in the seven other Charnwood colours (as seen top).

# charnwood OTHER PRODUCTS

Charnwood is a division of A.J Wells and Sons Limited which has a further 3 sister companies: A.J Wells Vitreous Enamellers (a commercial enameller and signage division), Anki Chimney Systems and Bodj Fair Trade Fireside. The latter two products are sold alongside Charnwood stoves. For further information on these please contact your local stockist, call us direct on 01983 537780 or visit • [www.anki.co.uk](http://www.anki.co.uk) • [www.bodj.co.uk](http://www.bodj.co.uk) • [www.ajwells.com](http://www.ajwells.com)



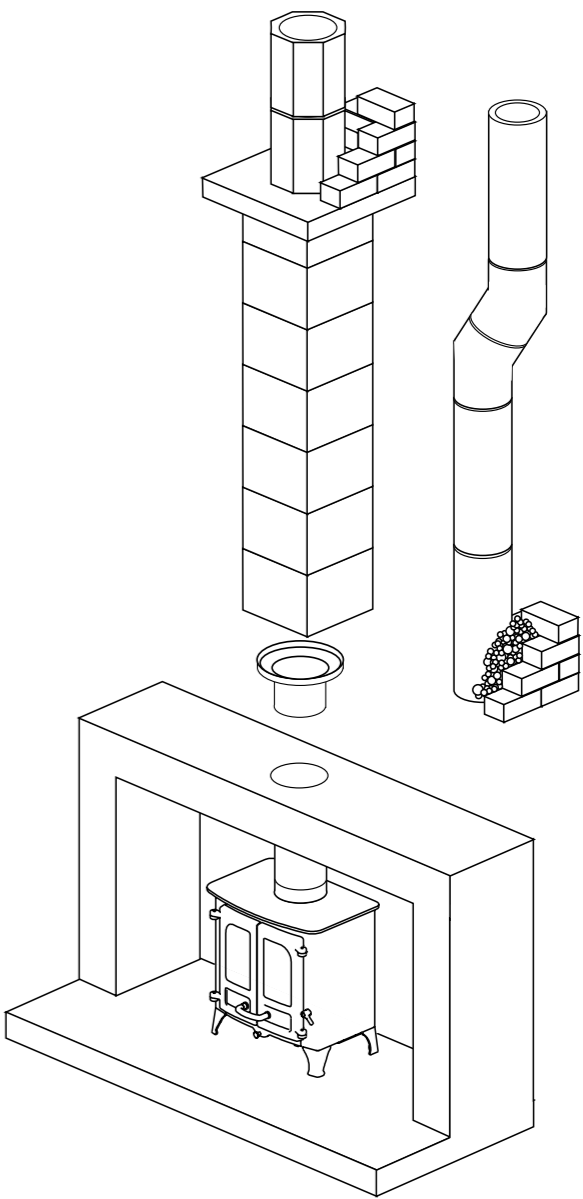
A good chimney makes the world of difference

to the efficiency of your fire or stove and is indeed paramount to the safety of your home. Whether you are embarking on a new build project, wishing to add a chimney to an existing property or simply want to re-line an existing chimney, ANKI Chimneys have a system to suit virtually all applications. It is the simplest and most cost effective way of building a chimney.

Made from Icelandic volcanic rock ANKI chimney is a product with exceptional insulation and longevity and one that is suitable for all fuel types and guarantees:

- Minimum heat loss, maximum efficiency
- Improved performance for your appliance
- Ideal for timber framed & thatched homes
- Better chimney draught
- Less soot & tar build-up
- Chimney fire safe

For further information ask for our separate ANKI brochure or visit [www.anki.co.uk](http://www.anki.co.uk)



## SINGLE MODULE

ANKI single module blocks are a quick, simple and cost effective way to incorporate a first class chimney into a property. This space saving block is ideal for new build projects (especially timber framed properties) or new chimneys to existing properties. The single module consists of a chimney block with an integral liner.

## ROUND LINER

ANKI round liner is ideal for the re-lining of existing chimneys. It effectively renews the chimney completely from top to bottom, sealing off any cracking and leakage in the chimney stack and improving the overall stability of the chimney. Anki round liners are available in a wide range of sizes.

Bodj is a fair trade programme exclusive to Charnwood stoves. The initiative sells handmade terracotta tiles and a selection of fireside accessories manufactured by a number

of small developing businesses in Cambodia, South East Asia. We currently work alongside and support 3 projects each producing unique products using traditional techniques and from ecologically and locally sourced materials. Our aim is to make a difference to these communities: to actively encourage and celebrate their cultural skills whilst ensuring fair wages and responsible trading practices.

*bodj n. taken from the French name for Cambodia: 'Cambodge'*



#### *basketware project*



The Bodj fair trade basketware initiative supports a number of basket weaving projects on the outskirts of

Phnom Penh and in the Cambodian province of Kratie. A mixture of indigenous materials are used from bamboo and rattan to rush and water hyacinth. Age old weaving techniques are used to create a variety of traditional and adapted designs including log baskets and brushes.

#### *ironwork project*



Bodj fair trade ironwork products are made by an ironworking initiative based in Phnom

Penh. The project trains up a number of young people from disadvantaged backgrounds with the design and fabrication overseen by a Swiss design engineer. Traditional skills are mixed with Khmer inspired designs to create a variety of log holders and companion sets.



Top row L-R: G holder, Log hoop, Lotus log holder, Freestanding companion set, Wall mounted companion set.  
Bottom row L-R: Large floppy basket, Fat Lip basket, Recycled rice sack bucket, Bulb basket, Small floppy basket.

#### *tile project*



The Bodj fair trade flooring and hearth project supports a group of 5 families living on the banks

of the Mekong river just outside Phnom Penh. These terracotta tiles are entirely handmade using clay dug from the banks of the river, mixed with the ashes of rice husk and then fired out on the open dunes using gleaned brushwood, coconut husk and rice straw. Unlike standard kiln firing this firing technique imparts different colours and unique markings to each tile. A portion of the tiles (approx. 1 in 6) also feature natural impressions of local flora & fauna making for a stunning kitchen floor or charming and unique fire hearth (see examples on pages 9 and 17). With Bodj tiles you can be assured that each floor or hearth becomes a unique work of art in its own right. One with a history, one full of character and one that gets richer with age. Most importantly you'll know that through purchasing these tiles you will be impacting a community of people, fairly, and be helping to keep local and cultural traditions alive.

PLEASE NOTE: All the Bodj projects are kept deliberately small-scale with working practices within the communities carefully monitored so as not to disturb the eco-system in which the craftsmen and women live. The production processes of many of the products are also dictated by monsoons therefore availability is sometimes limited. For more information on the full range of products and projects speak to your local stockist or visit the website [www.bodj.co.uk](http://www.bodj.co.uk)



#### *available in 4 sizes*



**SQUARE TILE**  
200 x 200 x 20mm  
Tiles per m<sup>2</sup> : 25  
Suitable for fire hearths & interior domestic floors



**RECTANGULAR TILE**  
120 x 250 x 20mm  
Tiles per m<sup>2</sup> : 32  
Suitable for fire hearths & interior domestic floors



**HEXAGONAL TILE**  
200 x 173 x 20mm  
Tiles per m<sup>2</sup> : 36  
Suitable for fire hearths & interior domestic floors



**SQUARE WALL TILE**  
100 x 100 x 8mm  
Tiles per m<sup>2</sup> : 100  
Suitable for fire surrounds & interior wall surfaces.





Printed on IOW on 100% recycled paper using vegetable based inks



*your charnwood premier dealer*

INSTANTLY 2011



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