



ENGINEERING  
ON FIRE



# CHILLIPENGUIN



## STOVES



### CROESO CYNNES PENGUIN





# “CROESO CYNNES”

## “A WARM WELCOME”



### Warm up With

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### All About Us

We are a small family run business located near the **stunning** coastline of the Llŷn Peninsula in North **Wales**. Established in 2001. We now have a network of over 100 carefully selected stockists nationwide. We do not sell online. We believe that a stove is a **special** product and should only be fitted by specialists.

We are committed to UK manufacturing not only because the UK is **good** at it but also every order contributes to the salary of someone **local** to us or someone who we know. We **love** stoves ourselves, we design them, build them and have them in our own homes and in our workshop. We are **inspired** by the climate we live in. Over the winters we can get battered by the winds and we are surrounded by damp salty air. We run **our stoves** almost continuously in our workshop and the same stoves have been performing **brilliantly** for almost two decades now. For us that is the best recommendation we can give you.



NI SY’N CYNLLUNIO EIN HOLL GYNNYRCH.  
MAE’R CYNLLUNIO, PROTOTEIPIO A’R  
CYNHYRCHU YN DIGWYDD YMA YN NGHYMRU.

WE DESIGN ALL OUR OWN PRODUCTS.  
ALL THE DESIGN, PROTO-TYPING AND  
MANUFACTURING HAPPENS HERE IN WALES.



UK STOCKISTS

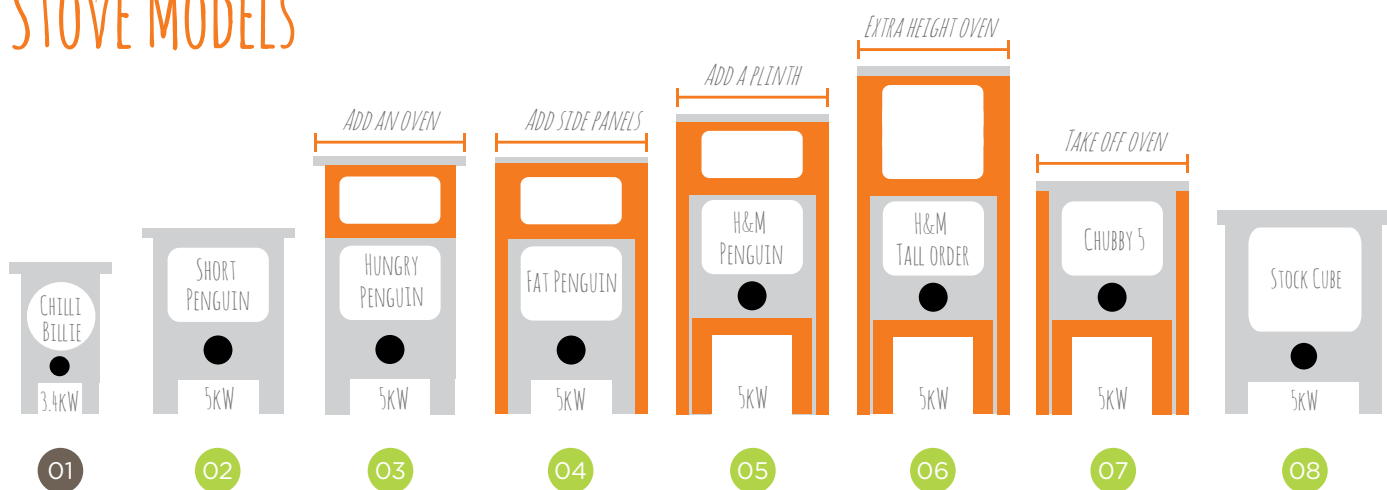
### Our Products

We produce top quality, low emission, highly efficient stoves that do what they say and do it well.

We also want them to last for a long time. We spend a long time in the design and development process to ensure this. Our most recent innovation has been to develop Eco design ready stoves ahead of the new emissions regulations. We have used a number of solutions to achieve this including the use of catalytic converter technology. This technology is well established in the US but we are one of the first stove companies to utilise it in the UK. We are very optimistic about the environmental benefits of this technology. The stoves efficiency ratings are amongst the highest currently available in the UK and the particulate emissions one of the lowest.



# STOVE MODELS



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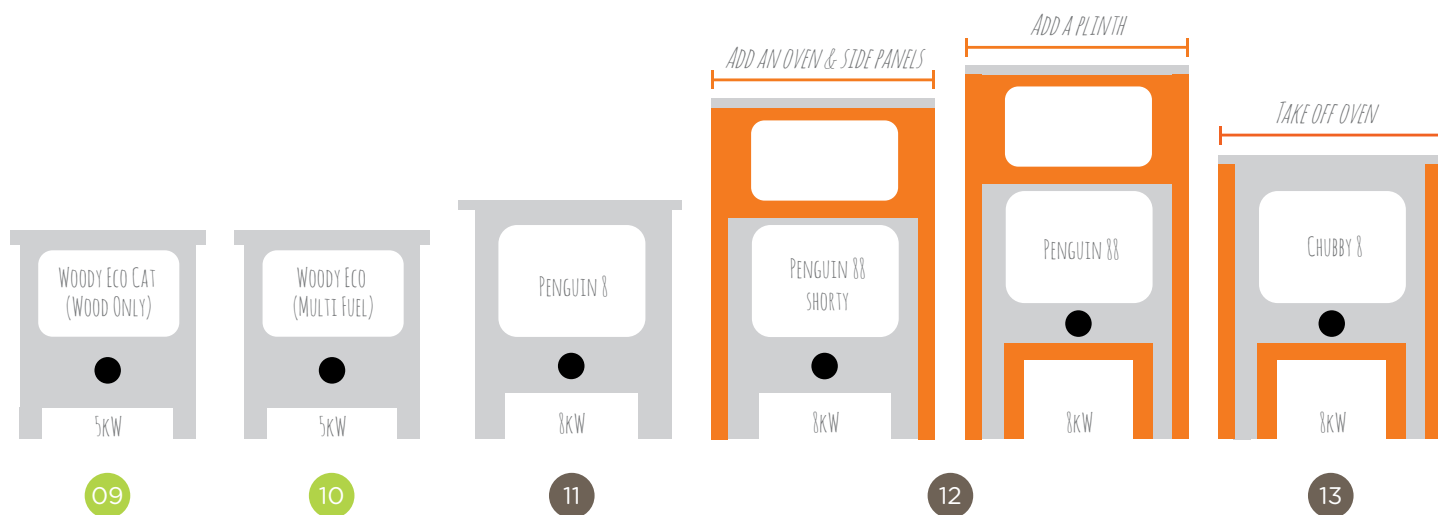
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### Original

Eco Design







# What is Ecodesign?

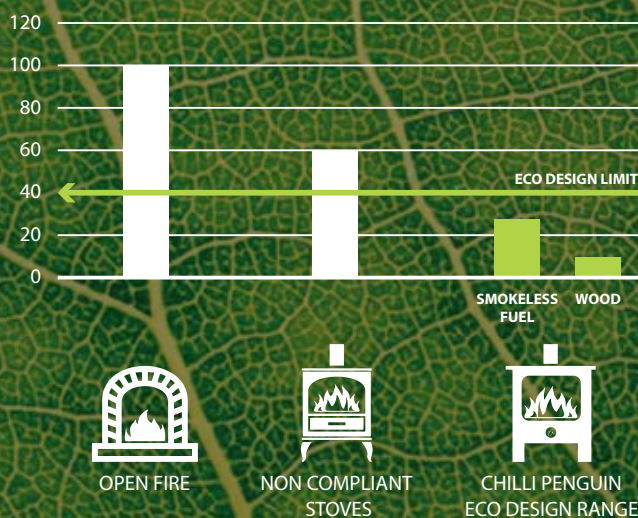
## Eco design

The 2022 Ecodesign Regulations set new minimum seasonal efficiency and maximum emission requirements for solid fuel stoves. Only those appliances that have been tested and verified as meeting these new limits will be able to be sold and installed legally within the UK from 2022.

Sustainably managed wood fuel is an incredible resource, both while it grows and when its used. So, we want our stoves to achieve as high efficiencies and low emissions as possible to support the use of this renewable fuel source. The particulates graph illustrates the differences that can be made.



## Particulates in Smoke emissions (mg/m<sup>3</sup>)



## How do we meet Ecodesign requirements?

To achieve high efficiency, low emission burning with a clear view of the fire is a design and engineering challenge that has always excited us. A balance of elements is required, each impacted on each other.

We have used three routes to achieve these standards, catalytic converter (the Woody Eco cat) a combination of features, that increase the time the hot gases remain in the existing firebox (most of the 5kW multi fuel range), a back to the beginning approach stripping the stove firebox right back and re designing every element for incremental gains (the Stock Cube).

## Catalytic Converter (CAT) Technology

The Woody Eco (Cat) uses catalytic converter technology. A catalytic converter consists of a honeycomb type structure with a large surface area which is coated with catalytic materials. As the gases pass over the surface, chemical reactions occur, resulting in changes to the composition of the flue gases. Toxic carbon monoxide and hydrocarbon gases are oxidised into less harmful carbon dioxide and water.

These chemical reactions release heat energy. This is a secondary combustion process, as it raises the temperature of the converter to the point where solid soot particles can be burned. This results in a more complete combustion and therefore less harmful emissions.





It is a new clean air standard which comes into effect on 1 Jan 2022. All stoves sold after that date need to comply with this.

## Combination of features

To achieve **lower emissions** our multi fuel stoves use a combination of three features.

The flow of air going toward the flue is interrupted, which increases the time the products of combustion remain in the hotter part of the firebox. The longer they are there, the more completely they will burn, thereby reducing harmful emissions.

Secondary heat retaining glazing, so the fire box stays hotter. The hotter a fire is, the more efficiently it burns.

Re-designed combustion air nozzles diffuse the incoming oxygen, allowing for a more complete combustion.

### Stripping back

For this approach we went right back to the drawing board, we stripped back the stove to the bare bones and build it back up making small incremental changes which added up to the required reductions. The Stock Cube is the stove we have used this approach for.





# The Chilli Billie

Stôf Fach Gyda Chalon Fawr

The little stove with a big heart, small but mighty, a flaming wood rocket, a tree fuelled engine.

This is baby of the penguin family in no hurry to grow up, likes chilling out... warming up... drying off and frying up. Found hanging out in small spaces like camping pods, yurts, beach huts, shepherds huts, sheds and studios.

## What's More

The Chilli Billie is top loading with a round glass window to see the fire through. You can boil a kettle on the top surface of the stove. The kW output is 3.4kW. There is an optional detachable side shelf which is useful for putting your kettle or pans on when not boiling.

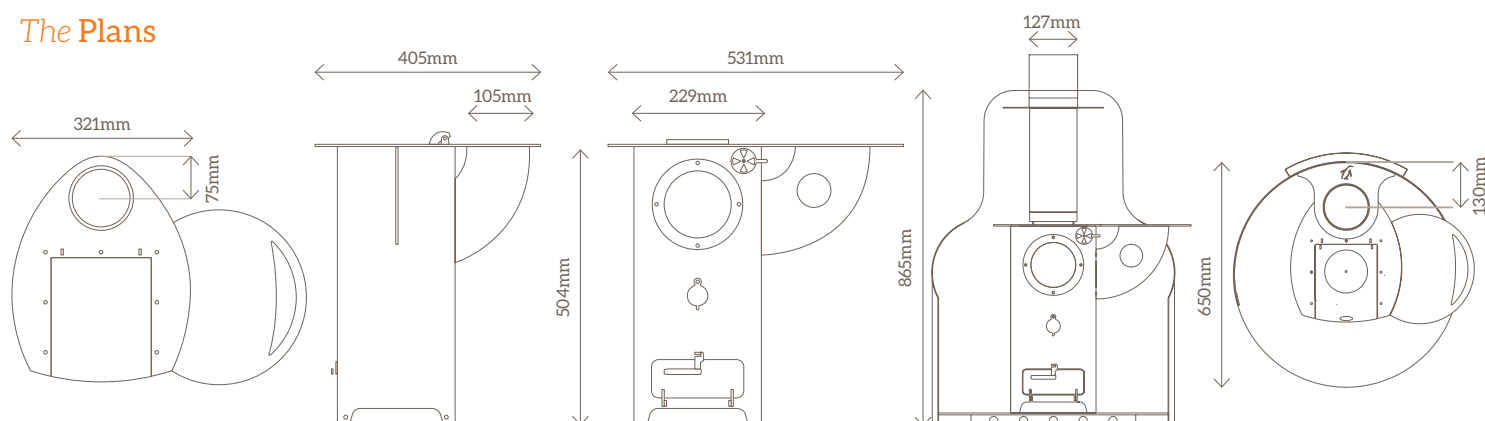
There is a separate ash pan door and a small lighting hole. There is a heat shield enclosure available for the Chilli Billie called the penguin enclosure (round enclosure illustrated, square enclosure also available).



## The Tech Details

Nominal Output	3.4kW
Height	504mm
Width	321mm/531mm
Depth	405mm
Fuel	Wood Only
Flue Collar Size	105mm
Flue Diameter (4-5" adaptor needed)	125mm
*Distance To Combustibles	
Side 500mm    Rear 500mm    Above 500mm	
*Distance To Non Combustibles	
Side 100mm    Rear 50mm    Above 150mm	
Colours Available	Yes
Exemption testing complete	
awaiting certification	
Tested to EN 13240	
*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle	

## The Plans





# CHILL IN OR CHILL OUT



## Glamorgan Sausages

4oz strong cheddar grated  
4oz white breadcrumbs  
1 onion chopped  
1 tsp mustard  
1tsp chopped parsley  
Thyme to taste  
Salt and pepper  
3 eggs  
Dried breadcrumbs to coat  
Oil

Combine 2 eggs, mustard, parsley, thyme, salt and pepper. Add breadcrumbs, cheese and onion. Mix well, form into sausages. Coat in egg and breadcrumbs, fry and eat.

## Enjoy



# The Short Penguin Eco

Penguin Bach Eco

Small in stature but big on personality.

This fiery little 5kW penguin is designed to fit snugly into a builder's opening but is equally comfortable and utterly sensational free standing. Simple, clean lines, contemporary stainless steel handles, clean burning and highly efficient. This is a stove you will want to come home to.



## What's More

The Short Penguin Eco design uses the Chilli Penguin Clean Burn and Air Wash systems. It is designed to burn both wood and smokeless fuel.

## Penguin Facts

### Air Wash

Pre-heated air is introduced via channels and jets at the back of the firebox and above the door. Air jets are directed onto the top of the glass. This creates a cushion of air, which protects the glass from blackening. This is called air wash.

## The Tech Details

Nominal Output	W 4.8kW	SF 4.9kW
Efficiency	W 80.6%	SF 80.4%
Particulates @ 13% O2	W 36mg/m <sup>3</sup>	SF 15mg/m <sup>3</sup>
Width 380mm	Depth 355mm	Height 540mm
Height With Plinth	711mm	
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	270mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	





## The Tech Details

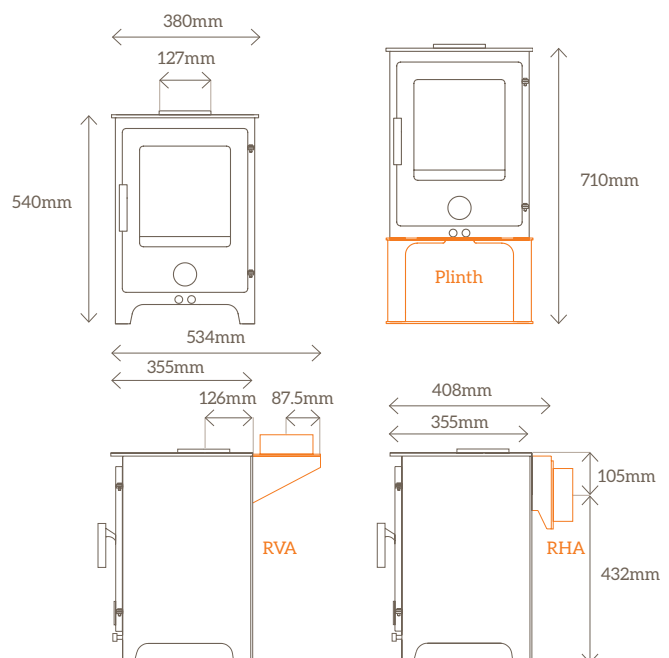
Top Exit	Standard	
Rear Exit Rear Horizontal (RHA)/Vertical Adaptor (RVA) Required		
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 500mm	Rear 200mm	Above 450mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth		Constructional
Hearth With Base Heat Shield/Plinth		12mm
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle

+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans





# The Hungry Penguin Eco

Penguin Llwglyd Eco

The original Chilli Penguin, the one that started the company.

This stove does it all, it keeps you warm, cooks your dinner and boils your kettle for a cup of tea. It's ideal for canal boats, studios and homes where you don't want to be wholly dependant on mains gas and electricity, or if you just want to cook for free.



## What's More

If you are trying to reduce your carbon footprint or your fuel bill, being able to heat and cook from the same fuel load makes a lot of sense. If you want that smug feeling of warm toes and a hot pasty we're not going to stop you. It is a different experience to cooking with flick-a-switch power... but you're off grid and the stoves on anyway!

## Penguin Facts

### Cooking on a penguin

All our cooker models have an oven box and top plate. The oven temperature can reach up to 300°C, but it will tick over comfortably between 140-180°C. You can fit a small saucepan and kettle on the top plate. An extra height oven is also available.

## The Tech Details

W = Wood

SF = Smokeless Fuel

Nominal Output	<b>W</b> 4.7kW	<b>SF</b> 4.8kW
Efficiency	<b>W</b> 81.2%	<b>SF</b> 87%
Particulates @ 13% O2	<b>W</b> 33mg/m³	<b>SF</b> 12mg/m³
Width 380mm	Depth 365mm	Height 683mm
Internal Oven Dimension		
Width 250mm	Depth 220mm	Height 100mm
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	270mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	





## The Tech Details

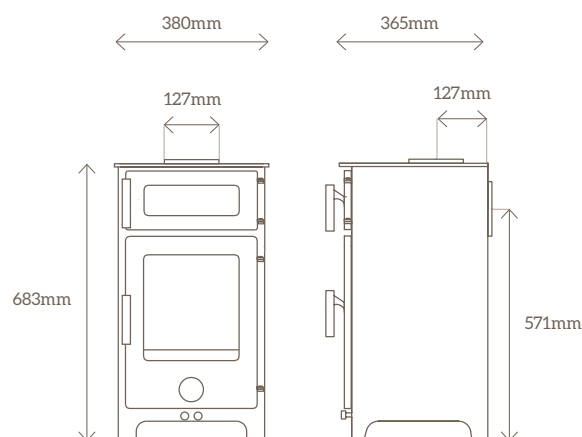
Top Exit	Standard	
Rear Exit	Fit flue collar to rear	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 550mm	Rear 250mm	Above 450mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth	Constructional	
Hearth With Base Heat Shield/Plinth	12mm	
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle

+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans





# The Fat Penguin Eco

Penguin Tew Eco

When something smaller just won't do.

The Fat Penguin has all the features of the Hungry Penguin. It will warm you, feed you and make you a brew but it's even bigger. The output is still 5kW but this is a bigger, bolder penguin. Strong, simple lines, clear view of the roaring fire. Gorgeous in green, confident in black, radiant in red.


## What's More

The Fat Penguin has all the features of the Hungry Penguin. It has a 5kW fire box, a top oven and top plate but the side convection panels make it wider. The extra width means a bigger top plate so if you are cooking on it you will have more room. An extra height oven is also available.

## The Tech Details

W = Wood

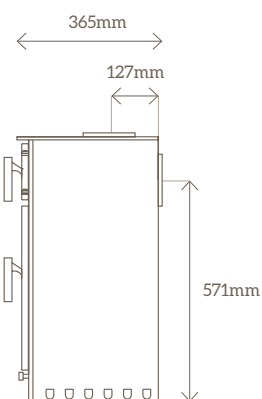
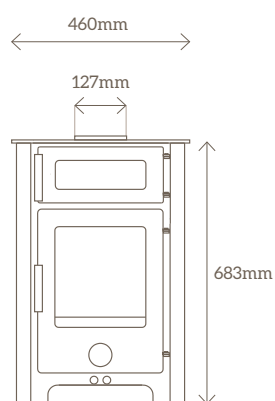
SF = Smokeless Fuel

Nominal Output	 4.7kW	 4.8kW
Efficiency	 81.2%	 87%
Particulates @ 13% O2	 33mg/m <sup>3</sup>	 12mg/m <sup>3</sup>
Width 460mm	Depth 365mm	Height 683mm
Internal Oven Dimension		
Width 250mm	Depth 220mm	Height 100mm
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	270mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	
Top Exit	Standard	
Rear Exit	Fit flue collar to rear	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 250mm	Rear 250mm	Above 450mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth	Constructional	
Hearth With Base Heat Shield/Plinth	12mm	
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle

+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)

## The Plans





# BIG, FAT & BEAUTIFUL

## Caerphilly Cheese and Chive Scones

Moderate oven or chilli stove  
ticking over gently  
8oz self raising flour  
Pinch of salt  
2 oz butter  
4oz Caerphilly cheese grated  
1 tbsp chopped fresh chives  
1/4 pint milk

Mix flour and salt then rub in butter. Stir in half the cheese and the chives. Add milk and mix to soft dough. Knead until smooth. Roll out to 1" thick and cut out about 10 scones. Bake for 10mins or until brown. Remove and sprinkle with remaining cheese to melt.

Enjoy





# The High & Mighty Eco

Penguin Bonheddig Eco

It is possible that this stove has its nose in the air, just a touch and with a smile.

This stove perhaps does have its nose in the air, just a touch. It feels a little superior with its elevated height, oven box, generous top plate, convection panel sides and integral log plinth. It feels it offers everything : stature, personality, function and more than a little charm. This is truly a Penguin amongst penguins.



## What's More

This stove began life as a Fat Penguin but then it kept on growing. In order to accommodate the log plinth the side convection panels had to be extended. When we saw it's new body, it seemed to take on a personality all of its own so we decided to give it its own name. This is a high functioning stove...and it knows it. An extra height oven is also available.

## Penguin Facts

### Convection panels

The side convection panels mean that the side surface temperature is cooler as it promotes air flow from beneath the stove convecting heat out at the top.



## The Tech Details

Nominal Output	W 4.7kW	SF 4.8kW
Efficiency	W 81.2%	SF 87%
Particulates @ 13% O2	W 33mg/m³	SF 12mg/m³
Width 460mm	Depth 365mm	Height 908mm
Internal Oven Dimension		
Width 250mm	Depth 220mm	Height 100mm
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	270mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	





TALL, HANDSOME,  
SMUG AS A SAUSAGE.

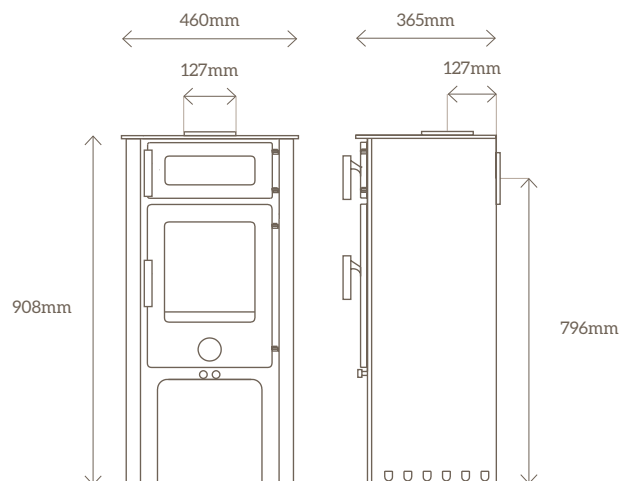
## The Tech Details

Top Exit	Standard	
Rear Exit	Fit flue collar to rear	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 250mm	Rear 250mm	Above 450mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth		Constructional
Hearth With Base Heat Shield/Plinth		12mm
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle  
+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans





# The High & Mighty (Tall Order) Eco

Penguin (Tal) Bonheddig Eco

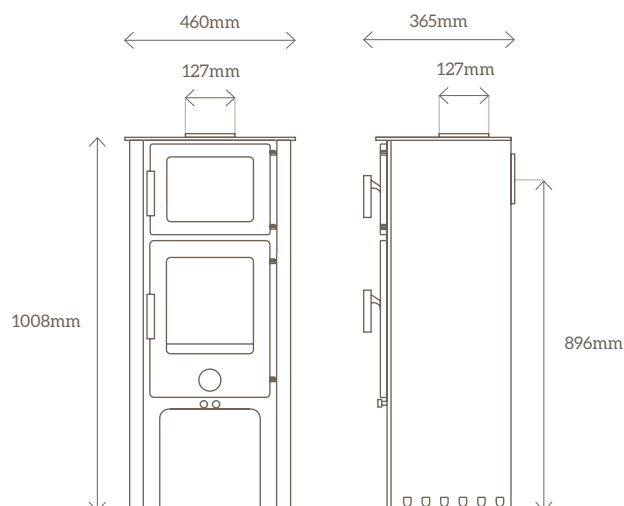
## Head and shoulders above the rest.

This stove began with a phone call, “this might be a tall order but can you make me a stove with taller oven, I want to bake bread in it”. The tall order High and Mighty was born. For all you bakers and bread makers, lovers of slow roasted veg, hearty casseroles, sticky cakes and crumbly pies... this is your stove.

## What's More

You can “tall order” our other 5kW oven stoves as well, the Hungry Eco and the Fat Eco.

## The Plans



## The Tech Details

W = Wood SF = Smokeless Fuel

Nominal Output	W 4.7kW	SF 4.8kW
Efficiency	W 81.2%	SF 87%
Particulates @ 13% O2	W 33mg/m³	SF 12mg/m³
Width 460mm	Depth 365mm	Height 1008mm
Internal Oven Dimension		
Width 250mm	Depth 220mm	Height 200mm
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	270mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	
Top Exit	Standard	
Rear Exit	Fit flue collar to rear	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 250mm	Rear 250mm	Above 450mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth	Constructional	
Hearth With Base Heat Shield/Plinth	12mm	
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle

+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



[www.chillipenguin.co.uk](http://www.chillipenguin.co.uk)







IT'S A TALL ORDER



# The Chubby 5 Eco

Penguin Llund Eu Crwyn 5 Eco

Five kW of chubby loveliness.

If you appreciate the tight athleticism of the Short Penguin but crave the heartiness of a rugby player, then this is the stove for you.

This stove has the same fire box as the Short Penguin but it has grown in height and girth. The Chubby has an integral plinth which gives it the additional height and side convector panels which give it the extra width. This penguin has a big belly and big heart to match.



## The Tech Details



=Wood



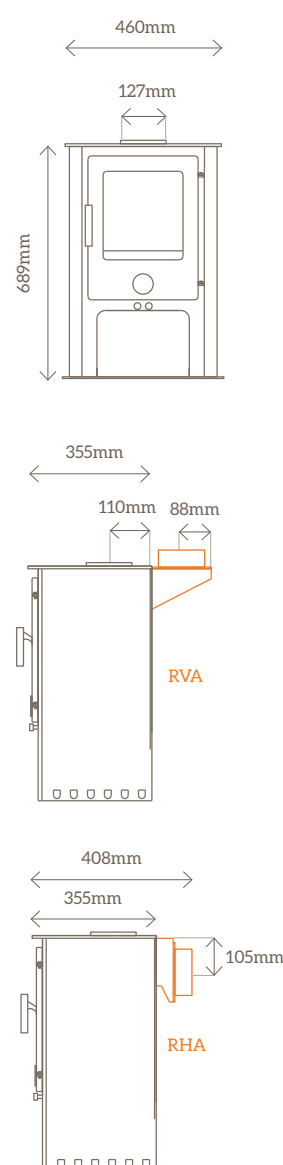
=Smokeless Fuel

Nominal Output	<b>W</b> 4.8kW	<b>SF</b> 4.9kW
Efficiency	<b>W</b> 80.6%	<b>SF</b> 80.4%
Particulates @ 13% O2	<b>W</b> 36mg/m³	<b>SF</b> 15mg/m³
Width 460mm	Depth 355mm	Height 689mm
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	270mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	
Top Exit	Standard	
Rear Exit	Rear Horizontal (RHA) / Vertical Adaptor (RVA) Required	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 250mm	Rear 200mm	Above 450mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth	Constructional	
Hearth With Base Heat Shield/Plinth	12mm	
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle  
+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans





# CHUNKY MONKEY...





# The Stock Cube wood only

Y Cwlb Stoc pren yn unig

## Fair & Square.

This penguin is clear, determined, honest and single minded. It doesn't compromise, it is a wood burner only. It is built to be strong, simple, efficient and clean burning. If you want a 5kW wood burner, squarer and deeper than our Woody.. this could be your penguin. This penguin will be a true and honest friend, to warm you on those chilli winter nights.



## What's More

The Stock Cube is a wood only stove. The wood sits right on the vermiculite bricks on the base of the stove, there is no need for a grate. It has a generous fire box, sized for logs 300mm long and an even more generous piece of glass, offering you a wonderful clear view of the roaring fire. The efficiency is 76.9%. It is an Eco design stove, suitable for use in smoke control zones. There is a convection panel option.

## Penguin Facts

### Control Knob

There is only one air control knob. This is both the air boost, when fully extended and finer control when eased inwards. It comes with an air control tool to help you judge the boost control, but can equally just be operated by hand.



## The Tech Details

Nominal Output		4.8kW
Efficiency		76.9%
Particulates @ 13% O2		27mg/m³
Width 475mm	Depth 405mm	Height 583mm
Fuel		Wood Only
Smoke Control Kit Provided		Yes (pre-fitted)
Optional Direct Air Kit available		Yes
Colours Available		Yes
Max Log Length x average diameter	300mm x 100mm	
Flue Collar Diameter		127mm
Flue Size Required		Min 125mm





## The Tech Details

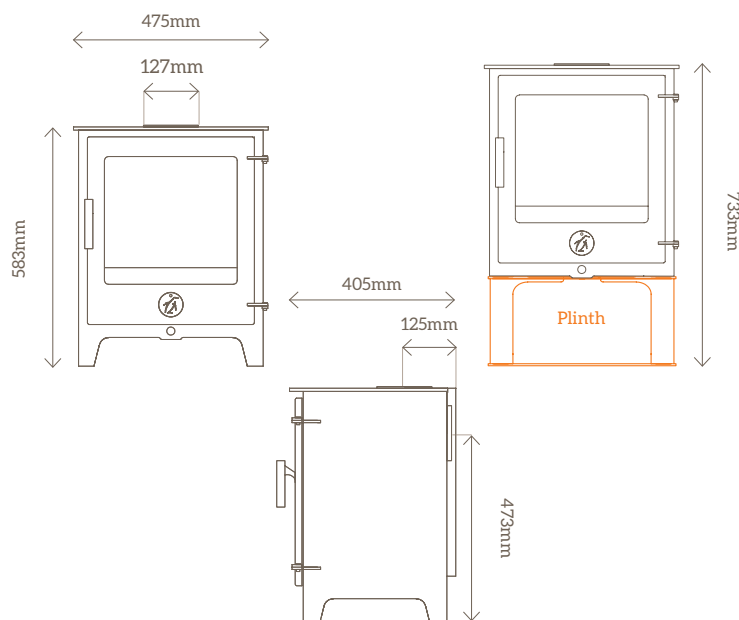
Top Exit	Standard	
Rear Exit	Fit blanking plate to top exit	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 500mm	Rear 150mm	Above 500mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth		Superimposed
Hearth With Base Heat Shield/Plinth		12mm
Tested to EN 13240:2001, EN 13240-A2 2004 & BS 3841-2:1994		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle

+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans



# Woody Eco (Cat) wood only

Dim ond Woody Eco (Cat) pren yn unig

Brave, innovative, environmentally aware, a quiet revolutionary.

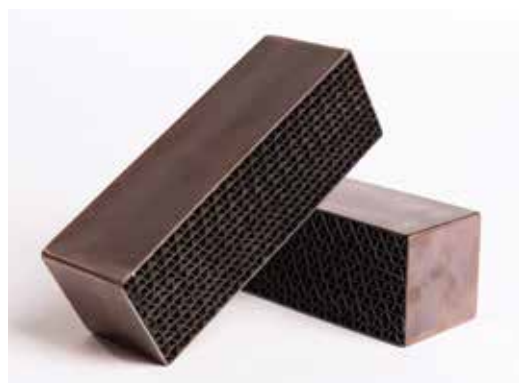
If you want to burn solely wood, then this version of Woody is the one for you. In addition to all of the Ecodesign features of our multi fuel stoves, this stove uses catalytic converter technology. It is the cleanest, greenest stove that we make. The Woody Eco (Cat) is 83% efficient and has a particulate emission figure that is 75% lower than the figure required by Ecodesign standard, thanks to the catalytic converter technology.

## Penguin Facts

The secondary heat retaining glazing with air wash and the landscape window offer a clear, generous view of the fire. It also has the newly designed Chilli Penguin handle.

## Catalytic Converter

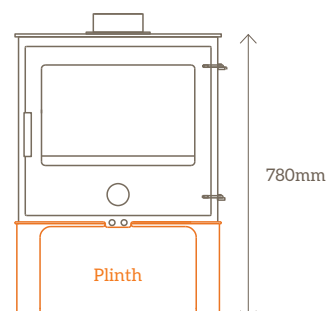
The catalytic converters (Cat) are a honeycomb structure that has a special coating that chemically converts harmful gases and superheats to burn off smoke particles. It can be seen glowing orange when functioning. The usual life expectancy of a cat is 3-5 years, depending on usage. They are placed in a removable cassette for ease of access.



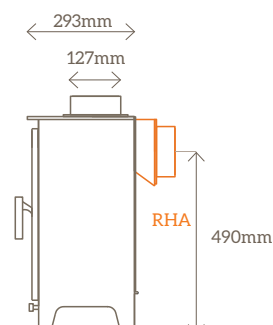
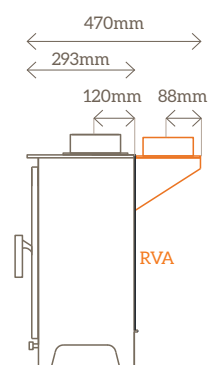
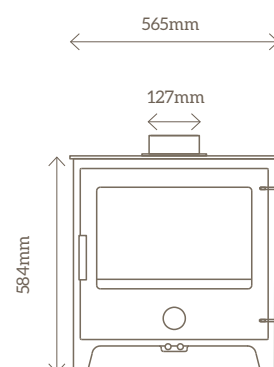
## The Tech Details

Nominal Output		5kW
Efficiency		83.3%
Particulates @ 13% O2		11mg/m³
Width 565mm	Depth 293mm	Height 584mm
Fuel		Wood Only
Smoke Control Kit Provided		Yes (pre-fitted)
Optional Direct Air Kit available		Yes
Colours Available		Yes
Max Log Length x average diameter	430mm x 100mm	
Flue Collar Diameter		127mm
Flue Size Required		Min 125mm
Top Exit		Standard
Rear Exit		
Rear Horizontal (RHA) / Vertical Adaptor (RVA) Required		
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 400mm	Rear 150mm	Above 550mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth		Constructional
Hearth With Base Heat Shield/Plinth		12mm
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle  
+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans





# AN EVOLUTIONARY REVOLUTIONARY



# Woody Eco (Multi Fuel)

Dim ond Woody Eco (Aml Danwydd)

The slim eco stove with big world views and a captivating dual nature.

If you want to burn both wood and solid fuel, then this multi fuel version of Woody is the one for you. This stove allows you to reduce emissions and breath cleaner air but to have the choice of the fuel that you choose. Like its eco brother it is generously proportioned, yet slim, efficient, clean burning and quietly, modestly, magnificent. .

## What's More

To achieve lower emissions this penguin uses a combination of three features. Secondary heat retaining glazing is used so that the fire box stays hotter. Re-designed combustion air nozzles diffuse the incoming oxygen, allowing for a more complete combustion. Lastly the flow of air going toward the flue is interrupted, which increases the dwell time in the fire chamber, again contributing to more complete combustion.

## Penguin Facts

Woody Eco (Multi Fuel) is 83% efficient on wood and 87% efficient on anthracite, with similar particulate emissions, well within the 2022 Ecodesign requirements.

Like it's eco brother, this stove also has secondary heat retaining glazing, with air wash and a landscape view of the fire. It also has the new Chillli Penguin handle.



## The Tech Details

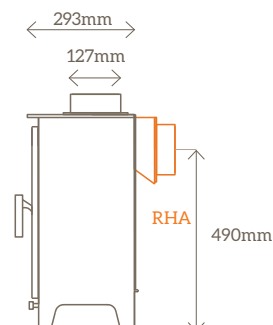
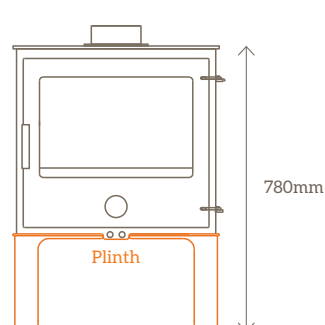
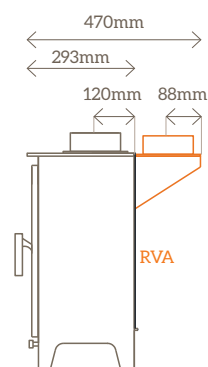
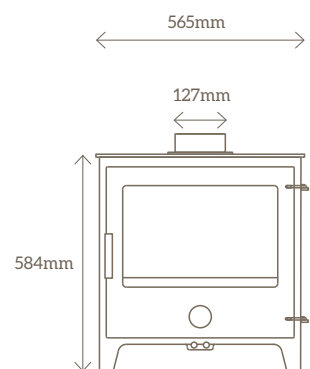
W = Wood SF = Smokeless Fuel

Nominal Output	W 4.8kW	SF 5kW
Efficiency	W 82.7%	SF 87.4%
Particulates @ 13% O2	W 20mg/m³	SF 16mg/m³
Width 565mm	Depth 293mm	Height 584mm
Multi-Fuel	Yes	
Smoke Control Kit Provided	Yes (pre-fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length x average diameter	430mm x 100mm	
Flue Collar Diameter	127mm	
Flue Size Required	Min 125mm	
Top Exit	Standard	
Rear Exit	Rear Horizontal (RHA) / Vertical Adaptor (RVA) Required	
**Distance To Combustibles With Insulated Flue Fitted to Stove Top		
Side 400mm	Rear 150mm	Above 550mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth	Constructional	
Hearth With Base Heat Shield/Plinth	12mm	
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle  
+If single walled flue is used then the distance to combustibles at the rear is equal to 3 x flue diameter (document J)



## The Plans







CWITCH UP WITH A PENGUIN

The Penguin 8 range will be Eco 2022 ready very soon... ask your stockist.

# The Penguin 8

Pengwin Wyth

The big boy of the penguin family, cool, classic, contemporary.

This is 8kW of warm, glowing, chilli-hot, heat. The generous clear glass window offers you a huge uninterrupted view of the fire and it has the added benefit of taking large logs. Sleek in black, delicious in almond, sublime in charcoal.



## What's More

The Penguin 8 has an 8kW output with a large glass window. It uses the Chilli Penguin clean burn and air wash system, giving a lovely clear view of the fire and high efficiencies. Like all our domestic stoves the Penguin 8 is very controllable.

## Penguin Facts

### Air controls

The penguin disc on the front of the stove is an air boost disc, it is designed to balance open as the fire establishes, then swing down. It should be free swinging. The primary and secondary air control knobs can be used to achieve the burn that you want and be adjusted for the fuel type.



## The Tech Details

		W = Wood	SF = Smokeless Fuel
Nominal Output		W 8kW	SF 8kW
Efficiency		W 81%	SF 71%
Width 570mm	Depth 355mm	Height 590mm	
Height With Plinth		811mm	
Multi-Fuel		Yes	
Smoke Control Kit Included		Yes (not fitted)	
Optional Direct Air Kit available		Yes	
Colours Available		Yes	
Max Log Length		430mm	
Flue Collar Diameter		127mm	
Flue Size Required		150mm (6")	
Flue Size Required With Smoke Control Kit		min 125mm (5")	



# AWESOMELY SIMPLE, SIMPLY AWESOME.



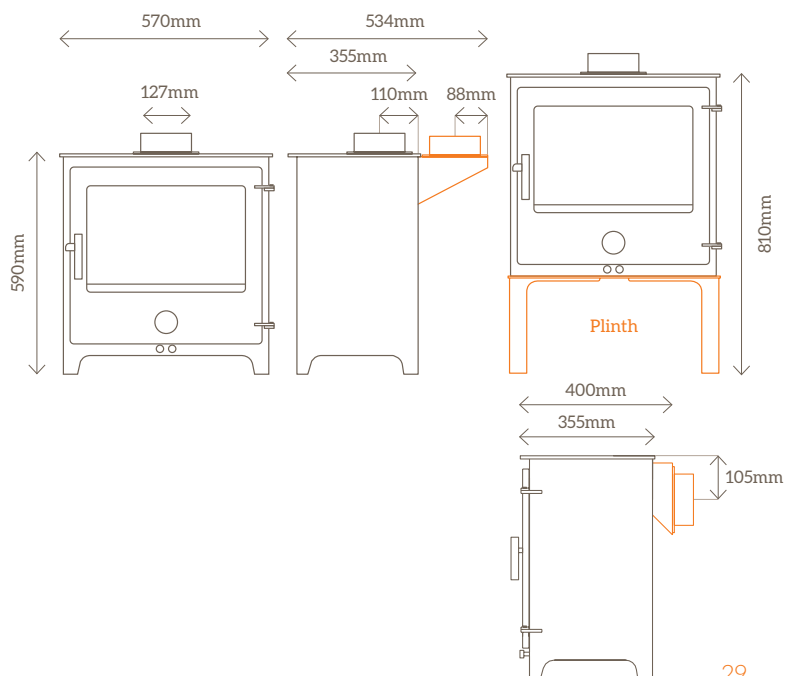
## The Tech Details

Top Exit	Standard	
Rear Exit Rear Horizontal (RHA)/Vertical Adaptor (RVA) Required		
Optional Boiler (non pressurised systems)		3kW
<i>Not tested for use in smoke control areas</i>		
*Distance To Combustibles		
Side 350mm	Rear 350mm	Above 550mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type No Base Heat Shield/Plinth		Constructional
Hearth With Base Heat Shield/Plinth		12mm
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle



## The Plans



# The Eighty Ate “88”

Pengwin Wyth Deg Wyth

Big boy, Big oven, Big love. This penguin is the love child of the Penguin 8 and the Hungry Penguin.

What doesn't it have? It gives you heat, it gives you food, it gives you hot drinks, it has somewhere to store your logs and it's got a glorious big window to watch your fire burning. When the world disappoints you, it will be waiting for you at home. This penguin will work for it's living: it can multi task, it's strong, it's hot, it's got muscle and it cooks. If you love this penguin it will love you back.

The “88” is an 8kW stove with an oven box on the top and an integral plinth underneath. There are convection panels on both sides. There is an optional stainless steel top plate. There is a model available without the plinth: the “88 Shorty”.



## The Tech Details W = Wood SF = Smokeless Fuel

Nominal Output		<b>W</b>	8kW	<b>SF</b>	8kW
Efficiency		<b>W</b>	81%	<b>SF</b>	71%
Width	650mm	Depth	355mm	Height	1115mm
Height No Plinth					893mm
Internal Oven Dimension					
Width	440mm	Depth	223mm	Height	210mm
Multi-Fuel					Yes
Smoke Control Kit Included				Yes (not fitted)	
Optional Direct Air Kit available					Yes
Colours Available					Yes
Max Log Length					430mm
Flue Collar Diameter					127mm
Flue Size Required					150mm (6")
Flue Size Required With Smoke Control Kit					min 125mm (5")





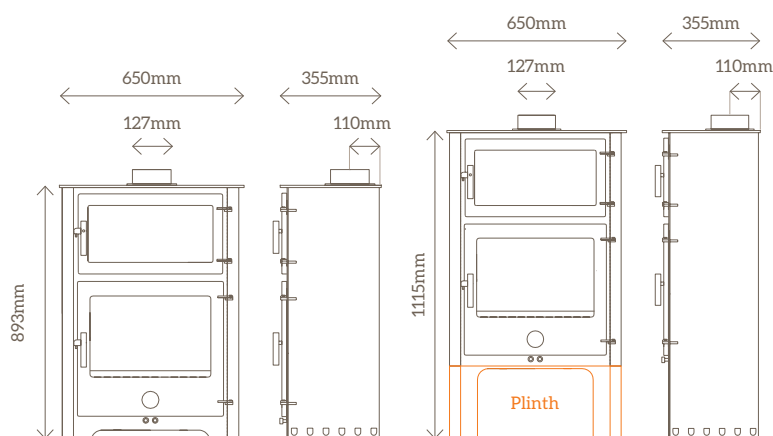
## The Tech Details

Top Exit	Standard
Rear Exit	Removable Plate
Optional Boiler (non pressurised systems)	3kW
<i>Not tested for use in smoke control areas</i>	
*Distance To Combustibles	
Side 350mm	Rear 350mm
Above 550mm	
*Distance To Non Combustibles	
Side 100mm	Rear 50mm
Above 150mm	
Hearth Type with Integral Plinth	12mm
Hearth Type with No Plinth	Constructional
Tested to EN13240:2001 & EN13240A2:2004	

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle



## The Plans



# The Chubby 8

Penguin Llond Eu Crwyn 8

## Eight kW of chubby loveliness.

When we fell in love with the Chubby 5 we thought that there could be no other... but we have a new guilty pleasure, the Chubby 8. This gives out 8 kW of chilli hot heat like the Penguin 8 but with more to love; extra chubbiness with the side convector panels and extra height to balance it up and store your logs underneath.



## The Tech Details W = Wood SF = Smokeless Fuel

Nominal Output	<span>W</span> 8kW	<span>SF</span> 8kW
Efficiency	<span>W</span> 81%	<span>SF</span> 71%
Width 650mm	Depth 355mm	Height 810mm
Multi-Fuel	Yes	
Smoke Control Kit Included	Yes (not fitted)	
Optional Direct Air Kit available	Yes	
Colours Available	Yes	
Max Log Length	430mm	
Flue Collar Diameter	127mm	
Flue Size Required	150mm (6")	
Flue Size Required With Smoke Control Kit	min 125mm (5")	





# THE CHUBSTER



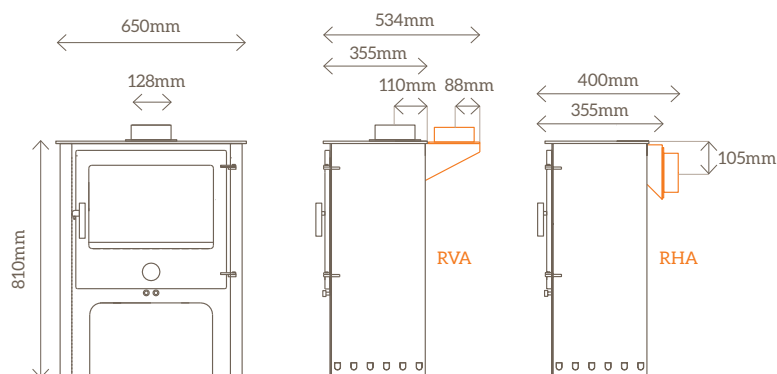
## The Tech Details

Top Exit	Standard	
Rear Exit	Rear Horizontal (RHA)/Vertical Adaptor (RVA) Required	
Optional Boiler (non pressurised systems)	3kW	
<i>Not tested for use in smoke control areas</i>		
*Distance To Combustibles		
Side 350mm	Rear 350mm	Above 550mm
*Distance To Non Combustibles		
Side 100mm	Rear 50mm	Above 150mm
Hearth Type	No Base Heat Shield/Plinth	Constructional
Hearth With Base Heat Shield/Plinth	12mm	
Tested to EN13240:2001 & EN13240A2:2004		

\*These are minimum distances, be aware that there are other considerations eg. access for sweeping, height of kettle



## The Plans





# Penguin Products

SPARES AND ACCESSORIES



COOL PENGUIN STUFF



CANAL BOAT FLUE



For more products  
ask your stockist or  
see our website.  
[www.chillipenguin.co.uk](http://www.chillipenguin.co.uk)





# Your FAQs

BEWARE of new friends post penguin (pp)  
they may well be visiting the penguin, not you...  
we're just saying...think about it.

## What size stove will my room need?

The basic sum is height x width x depth (in metres) of room divided by 14 = kW output requirements. This is a guideline only, assuming an average room, achieving an inside temp of 20°C when 0°C outside.

## What is air wash?

It is the system where preheated air is channelled towards the back of the glass, creating a cushion of air, preventing the glass from blackening. The controls must be correctly used and only the right fuels burnt to achieve the full effect. All Chilli Penguin Stoves have a very effective air wash system.

## What is clean burn? (sometimes called secondary and tertiary burning?)

Additional air is introduced into the firebox above the fuel in order to burn volatile gases. These gases would otherwise be released into the atmosphere where they are harmful, effectively you are burning more 'cleanly'. The additional benefit is that it burns more efficiently, using less fuel to produce more heat. All our domestic stoves utilise clean burn technology offering a very effective clean burn system and very high efficiencies.

## What fuel can I burn in a multi fuel stove?

Either seasoned/ kiln dried wood or smokeless fuels recommended for closed appliances.

DO NOT USE HOUSE COAL.

## What is seasoned wood?

Wood with a moisture content of less than 20%, usually wood that has been felled, split and stored for at least one year. Typically about 60% of the weight of freshly cut wood is water. A 1kg log of fresh wood will contain about a tea mug's worth of water. Not only will damp wood not burn well it will tar up your stove and chimney. ([www.soliftec.com](http://www.soliftec.com))

## How can I insure my stove is safely installed?

In order to certify your stove installation you will either need a HETAS qualified fitter or have your installation inspected by your local building control dept. Always fit smoke and CO detectors. This is now a legal requirement. ([www.hetas.co.uk](http://www.hetas.co.uk)) The rules in Scotland and Northern Ireland are slightly different, but installations should comply with hetas guidelines and our installation instructions.

## How do I know my stove is safe?

Our stoves are tested to the EN13240. Some of the range are DEFRA tested so they can be burned in smoke control zones ([www.uksmokecontrolareas.co.uk](http://www.uksmokecontrolareas.co.uk))

## Which size flue will I need?

The flue collar on all models (except the Chilli Billie) is 127mm. The flue size required is 150mm unless using a Smoke Control Kit.

## How do I keep my glass clean?

- Use the air controls effectively
- Use the correct dry fuel
- Follow glass cleaning advice

## Which colours are chilli penguin stoves available in?

All the stove models are painted with a high temperature stove paint. This can be cleaned with a soft brush and touched up if necessary. Colours available in the options below.

Actual colours may vary due to print process, please take this as an indication only.



Charred Red



Evergreen



Polar Bear Belly



Storm Blue



Seal Grey



Penguin Black

## Chilli Penguin Stoves 7 Year Warranty [Register Online](#)

This extended warranty is offered if stoves are purchased through your local approved Chilli Penguin stockist and registered online. The bodies, doors, grates and stainless steel handles of all our stoves with the exception of the Chilli Billie are guaranteed for 7 years. The stoves must have been installed and maintained as laid out in the instruction manual. In addition they must be certified by either a HETAS\* installer or your local building control dept.

**Catalytic converters carry a 3 year guarantee.**

For full details see instruction manual and online \*With the exception of Scotland and Northern Ireland



## The Chilli Billie 5 Year Warranty [Register Online](#)

This extended warranty is offered if your Chilli Billie is purchased through your local approved Chilli Penguin stockist and registered online. The bodies and doors of The Chilli Billie are guaranteed for 5 years. The stoves must have been installed and maintained as laid out in the instruction manual. In addition they must be certified by either a HETAS\* installer or your local building control dept.

For full details see instruction manual and online \*With the exception of Scotland and Northern Ireland







ENGINEERING  
ON FIRE

# CHILLI PENGUIN STOVES



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**stoves@chillipenguin.co.uk**



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home. Can you return me to  
the stove shop when you have  
finished with me...  
I have more love  
to give  
X

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