

ECO STOVE[®]



The Alternative Heating Solution

*Wood Fired Masonry Heaters for **Whole Home Heating***



How It Began

Following the first prototype in 2008, patents were applied for in the UK, USA, Canada, Russia and Europe. Combining age old European and North American technology with modern materials and production practises, Ecco Stoves® are now sold throughout the world.



Inventor David Ashmore

Silicon Carbide

The Ecco Stove is produced from a unique mineral in wood fired appliances, Silicon Carbide (SiC). Unlike other appliances, we don't simply clad a metal body in a ceramic material, we build the whole stove out of it.

SiC has many unique properties (it is effectively a mineral sponge) absorbing heat readily but releasing it slowly. It is able to withstand temperatures up to 2000°c and indeed is the second hardest mineral to diamond.



Silicon Carbide Material

Silicon Carbide (SiC) has many other applications including vehicle brake pads, industrial drill bits and electrical conductors.

Satisfying the toughest of standards

To ensure you get the most from each log while producing the least emissions, the Ecco Stoves have undergone testing to the highest standards. In doing so our models have passed some of the toughest testing requirements worldwide.

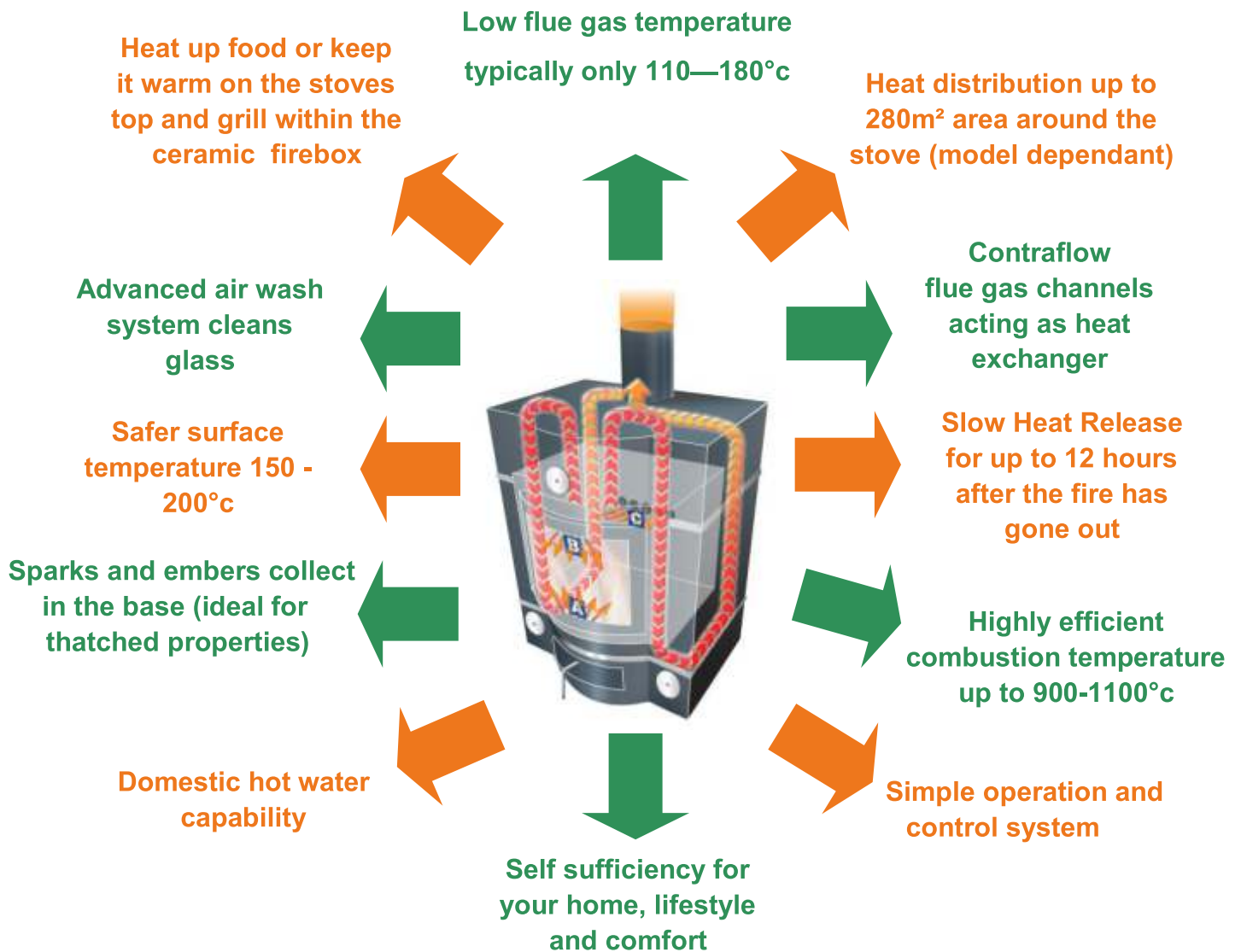
Ecco Stoves® are so efficient they will produce less carbon dioxide in combustion than a tree decomposing naturally.

Please ensure you play your part in a cleaner future by burning your fuel responsibly. We have more information on the best fuel types and storage methods on our website www.eccostove.com



More Than Just A Stove

Having the benefits of both traditional masonry heaters and metal stoves, the Ecco Stove® has evolved to be a hybrid between both styles - having the benefits of slow heat release but projecting its delivered heat much further throughout the home. The heat from an Ecco Stove® will travel much further than traditional steel or cast iron stoves and the lower surface temperature than steel or cast ensures the room the Ecco Stove® stands in is not overheated.

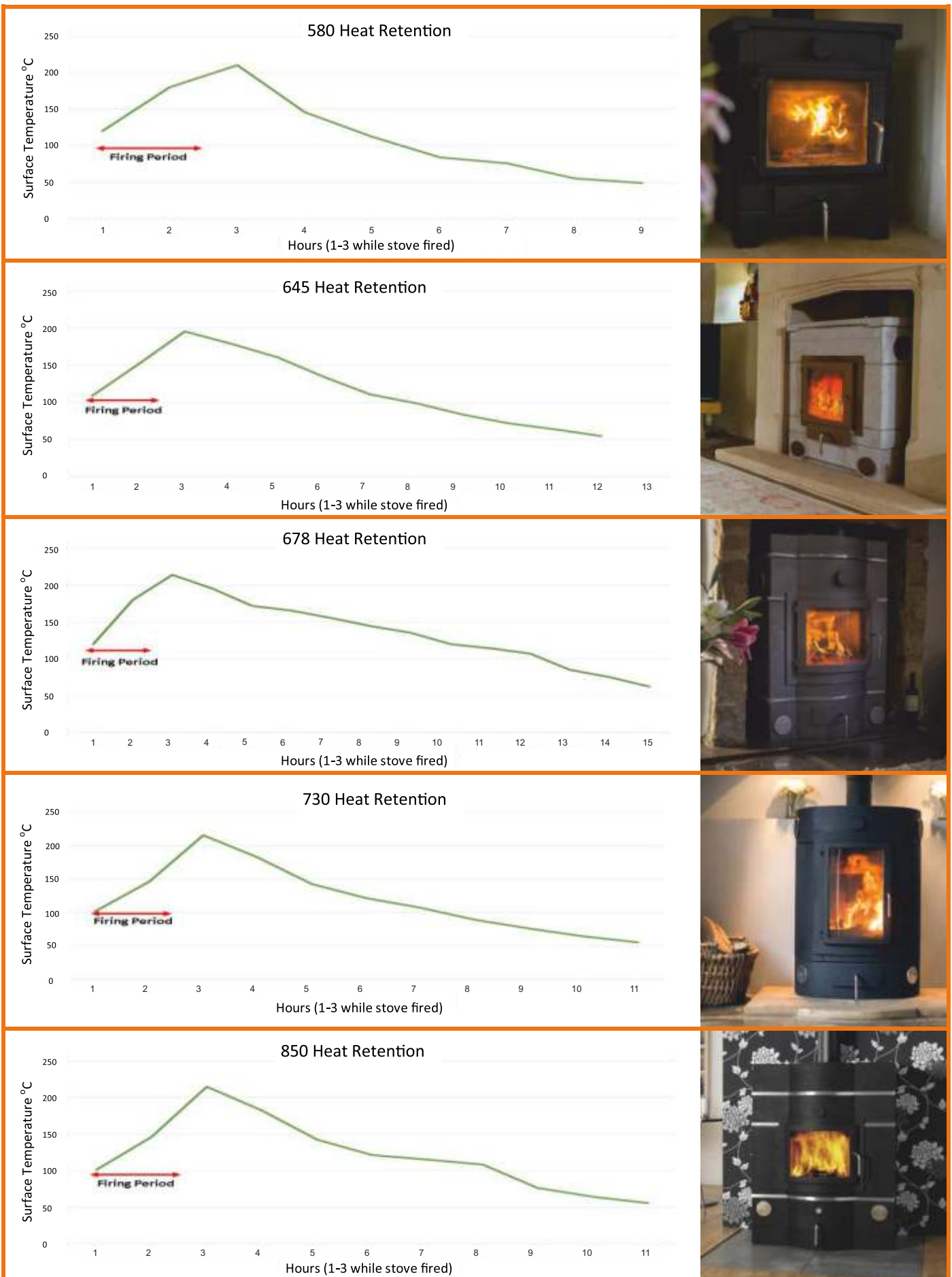


Combining all the points above the Ecco Stove® not only delivers efficiency but performance as well and becoming the heart of any home. Gentle heat waves travel from room to room heating much more of the home than traditional stoves or masonry heaters.

Heat Retention

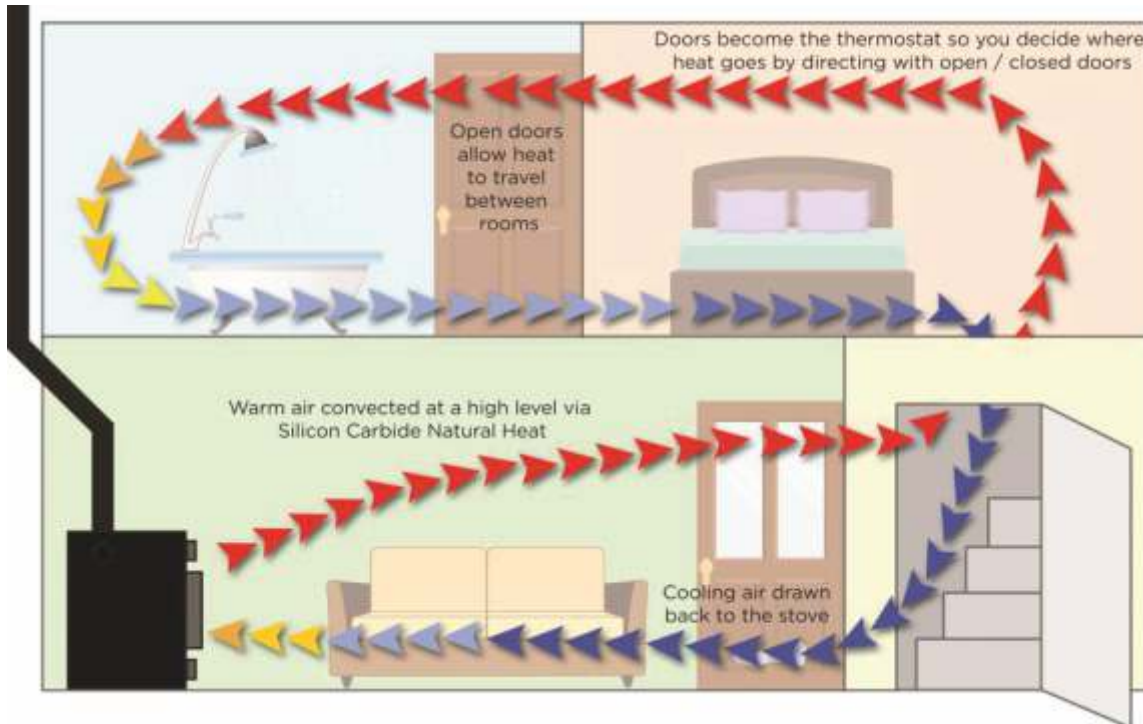
ECO STOVE®

The Alternative Heating Solution



Heat Flow

Using the benefits of Silicon Carbide and slow heat release from thermal mass the Ecco Stove® gently and continually pushes heat out from the stoves body surface to circulate around the home. Cooler air is naturally drawn back to the stove for warm air recirculation in the stove body. This simple process (as shown in the diagram below) allows warmth to travel much further through the home than traditional cast iron stoves and masonry heaters.



Whole Home Heating

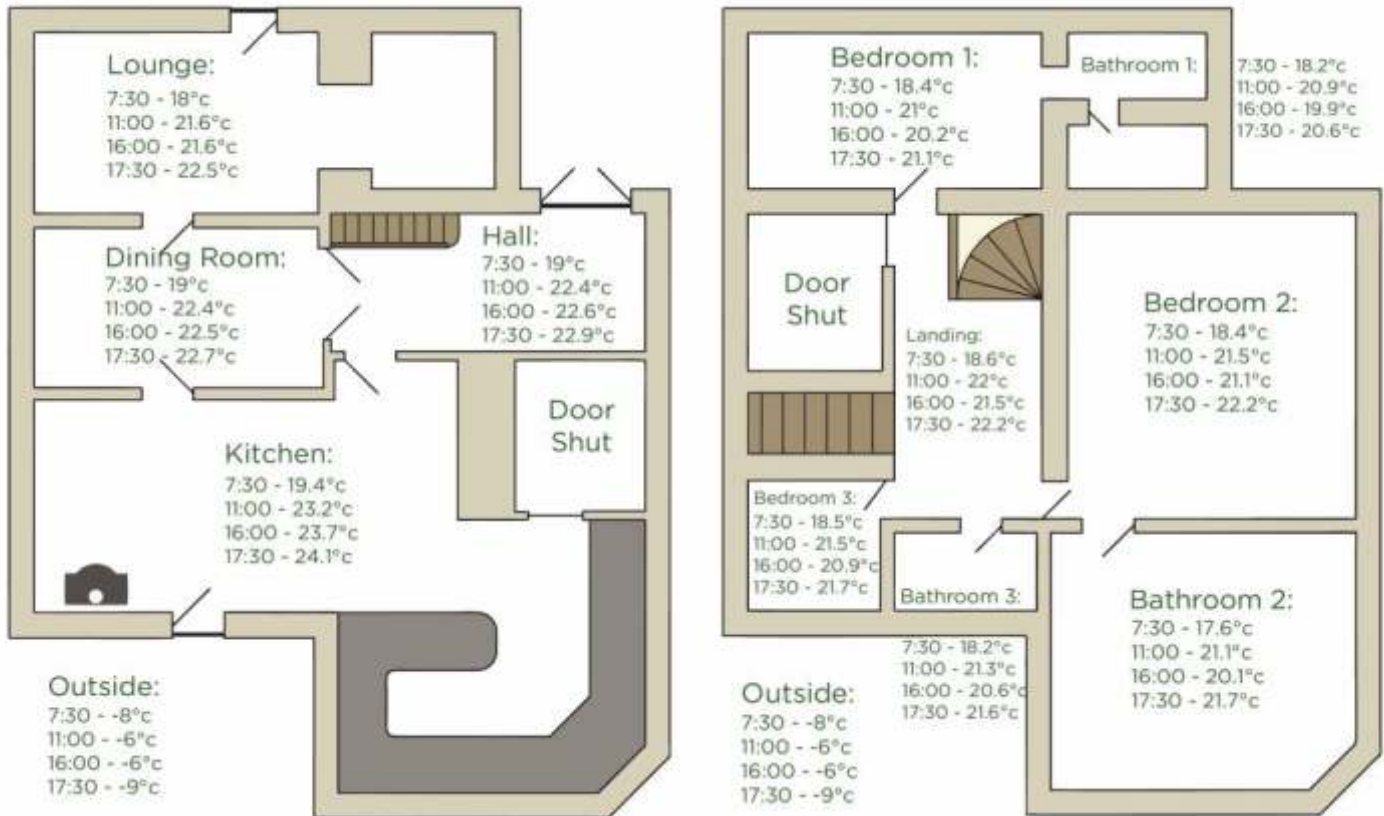
On the Ecco Stove® website in the video gallery (www.eccostove.com/videos) you can see our smoke flow video.

In this demonstration we used joss sticks to generate smoke which is then carried by the warm air to show a visual representation of the diagram above.



Heat Plans

To demonstrate what the Ecco Stove® can achieve in your home we are happy to provide a **Heat Plan** estimate. If you are able to fill in the questionnaire on our website, our team will send back a Heat Plan estimate with the recommended stove, temperature bands per room, estimated fuel usage and any advice on optimising performance. We can then visit your home to provide a quote for installation, we will guarantee the Heat Plan we produce specifically for your home.



The plans above demonstrate the heating capabilities of our E678 taken from testing carried out in 280m² 1640s Cotswold Stone property near Stratford Upon Avon, UK. With air being constantly circulated the property has been heated primarily using an Ecco Stove® E678.

The unique properties of Ecco Stove® provide an alternative to gas, oil and electricity for properties in both on and off grid locations.



How To Order

ECO STOVE®

The Alternative Heating Solution

1. *Get a Heat Plan Estimate* - Fill in the questionnaire in your free info pack or via our website (Optional).
2. *Get a Quote* - Ecco Stove® offer a full installation service and have a dealer network that can survey your property and provide a quotation.
3. *Pick your Stove* - Our customer service team or dealer can help guide you to the right stove for your needs and property.
4. *Pick your Colour* - You can select from a huge range of variations and have a different colour choice for the body, trims and castings to make your stove unique.
5. *Place your order* - You can order through our website (www.eccostove.com) , through our installation team or through your local Ecco Stove® dealer.
6. *Enjoy the Warmth* - Sit back and enjoy the unique warmth of an Ecco Stove® as it envelopes your living space and transforms your home.





“We have had our E580 for nearly a year now and just wanted to let you know how incredibly pleased we are with it!

I confess that I was a little sceptical at first it could heat the whole cottage but it most certainly does... Although the best room is the lounge, where just looking at the fire through the clear glass is cosy! As the owners of a thatched property we didn't think we could ever have a real fire in our cottage but the combination of the triple baffles keeping sparks at bay and the much lower escaping gas temperature.

Our insurance company were more than happy to insure us with no rise in premium! Lots of our friends who have traditional log burners are keen to change over to an Ecco stove now they've seen (and felt) ours in action. Especially with the clampdown on particle emissions coming soon!

Thank you again and we look forward to seeing you for a service and chimney sweep very soon.”

Michelle - UK



580 in Mojave Red paint finish

580



580 in Flat Black paint finish

The smallest model in the range and the only model to use a tri-baffle system as opposed to contraflow channels. The 580 bridges the gap between the traditional cast iron stove design and size, while providing many of the benefits of the larger Ecco Stove® models.

Key Features

Natural Heat	Natural Heat	Output	Efficiency Class	Heat Retention	Log Length
Up to 140m ² 1500ft ²	Up to 6 Rooms	7kw 23500 BTU	80.4% A	Up to 5-6 Hours	370mm

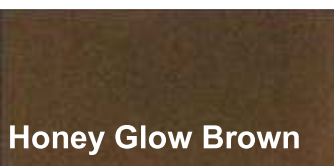
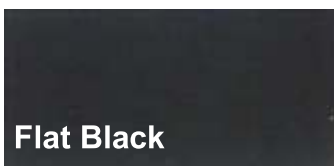
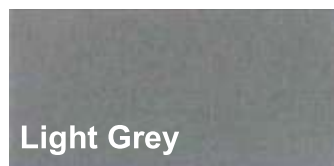
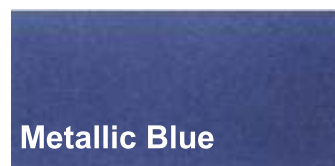
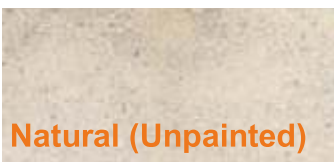
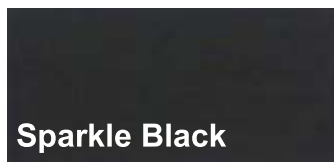
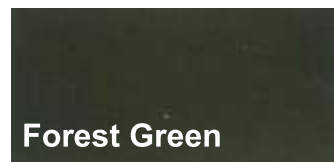
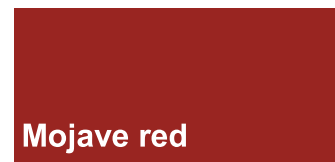
Eco Design Compliant: EC580	Defra Exempt: Yes
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Options

	Warm Air	Hot Water	External Air	Extension	Heat Shield
Available	Yes	Yes	Yes	No	No

Minimum Opening Size*: Height: 1000mm / 39^{3/8} x Width 780mm / 30^{3/4}

Colours - One or more per stove.

 Honey Glow Brown	 Flat Black	 Light Grey	 Metallic Blue
 Natural (Unpainted)	 Sparkle Black	 Forest Green	 Mojave red

645

“This will be our third winter here. We moved into the property in January so we did not have a full winter, but used the open fire - a Jet Master and at the same time the oil boiler. That year (3/4 months) we used about £850 in oil and the house felt cold and the fire never made the sitting room warm. By last winter we had fitted your 645 stove and the whole house was far, far warmer. We would use the fire at night and the oil boiler to do the rest of the heating by thermostat. That winter we only used £550 of oil in 7/8 months and the sitting room was as cosy as!”

Toby - UK



645 in Light Grey paint finish

645



645 in Natural with Honey Glow Brown paint finish on metal parts

Currently the most efficient Ecco Stove® model (up to 93%) . The 645 channels air for the airwash from the back of the stove removing the need for the air inlet above the door seen on our other models. Although built on the design of the 580 the 645 is a contraflow heater.

Key Features

Natural Heat	Natural Heat	Output	Efficiency Class	Heat Retention	Log Length
Up to 220m ² 2368ft ²	Up to 10 Rooms	8.4kw 28662 BTU	— A+ (*Slow Heat Release)	Up to 8.4 Hours	340mm 13

Eco Design Compliant: **EC645**

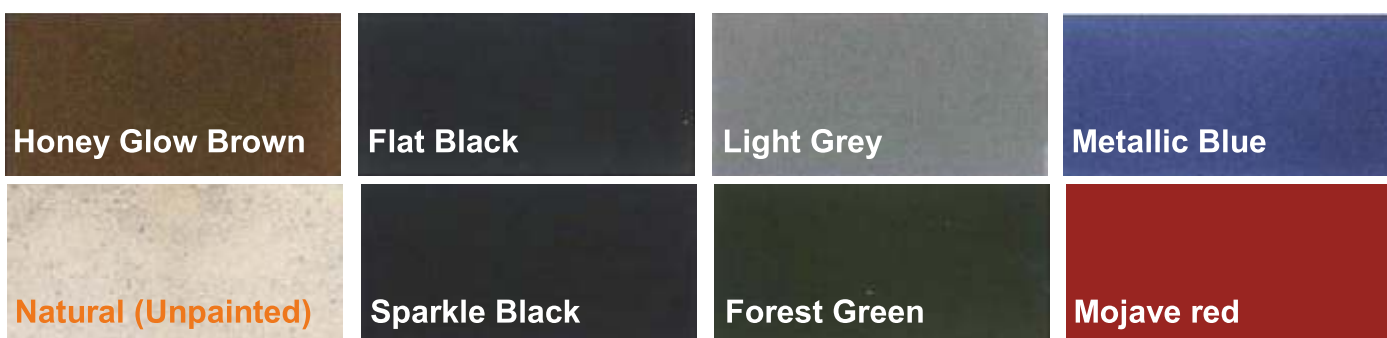
Defra Exempt: **Yes**

Options

	Warm Air	Hot Water	External Air	Extension	Heat Shield
Available	Yes	Yes	Yes	No	No

Minimum Opening Size*: **Height 1164mm / 46 x Width 895mm / 35 1/2**

Colours - One or more per stove.



678



678 in Natural, with Honey Glow Brown paint finish on metal parts, alloy trims and front plugs

“We purchased the Ecco Stove® 678 in September 2018 and it’s been used nearly every day since. The stove has transformed our 4 bed grade 2 listed cottage from being quite cold through the winter into a lovely warm and cosy cottage. We have not needed to use the central heating at all. It is also so easy to use and keep clean, so much easier than our previous cast iron log burner. It’s a pleasure dealing with a company who are so professional in what they do, both before and after the installation.”

David - UK





678 in Flat Black paint finish with alloy trims and front plugs

Combining timeless design with balanced heat retention and distribution, the 678 is the most popular model in the range. With a rectangular body and curved front its unique features can be adapted to either traditional or modern settings simply by selecting from our range of colour and trim options.

Key Features

Natural Heat	Natural Heat	Output	Efficiency Class	Heat Retention	Log Length
Up to 240m ² 2583ft ²	Up to 12 Rooms	10.3kw 35020 BTU	– A -A+ (*Slow Heat Release)	Up to 12.3 Hours	420mm 16

Eco Design Compliant: **EC678**

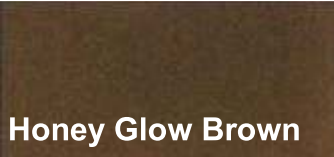
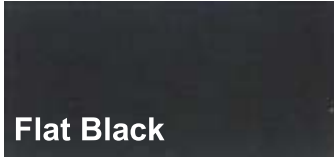
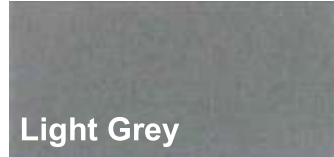

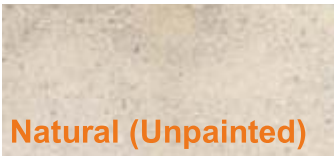
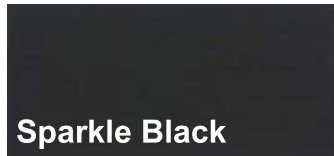
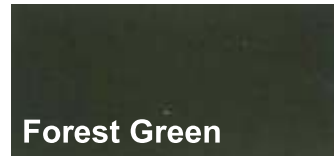
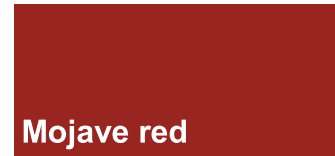
Defra Exempt: **Yes**

Options

	Warm Air	Hot Water	External Air	Extension	Heat Shield
Available	Yes	Yes	Yes	Yes	Yes

Minimum Opening Size*: **Height 1158mm / 45^{1/2} x Width 828mm / 32^{1/2}**

Colours - One or more per stove.

 Honey Glow Brown	 Flat Black	 Light Grey	 Metallic Blue
 Natural (Unpainted)	 Sparkle Black	 Forest Green	 Mojave red

730



“The performance of the Ecco Stove® has exceeded all our expectations, as we have only used our old boiler to heat the house when we haven't been at home, otherwise our house is now heated entirely by the wood burning stove. Ecco Stove® came out and thoroughly surveyed our house and not only prepared a quote but gave us a Heat Plan to show how the stove we had chosen (an Ecco Stove® 730) would perform and heat each room, which turned out to be accurate”

Donald - UK



730 In Flat Black paint finish with alloy front plugs

730



730 in Natural with Metallic Blue paint finish on metal parts

With a large glass door, the 730 has a beautiful, tall flame that will be the envy of those visiting the home. Perfect for large open plan areas and modern settings, the 730 has a more responsive heat output than the 678 with the trade off of lower heat retention.

Key Features

Natural Heat	Natural Heat	Output	Efficiency Class	Heat Retention	Log Length
Up to 260m ² 2500ft ²	Up to 12 Rooms	10.6kw 36040 BTU	- A+ (*Slow Heat Release)	Up to 7 Hours	400mm 15

Eco Design Compliant: **EC730**

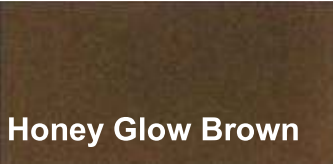
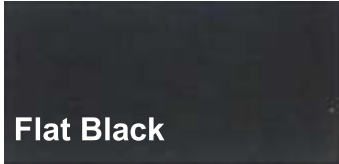
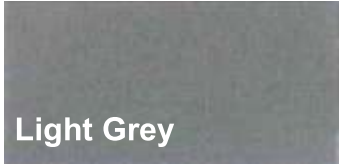


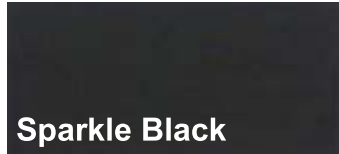
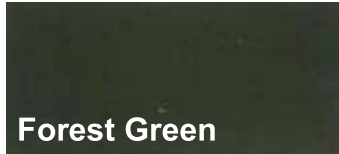

Defra Exempt: **Yes**

Options

	Warm Air	Hot Water	External Air	Extension	Heat Shield
Available	No	No	Yes	No	No

Minimum Opening Size*: **Height 1326mm / 52^{1/4} x Width 880mm / 34^{1/2}**

Colours - One or more per stove.

 Honey Glow Brown	 Flat Black	 Light Grey	 Metallic Blue
 Natural (Unpainted)	 Sparkle Black	 Forest Green	 Mojave red

850



“You installed our stove earlier this year and I thought I’d let you know that we ‘love it’. It is a real focal point of our home and everyone who has seen it comments on it. We have a lot of stove envy from our friends! It’s extremely effective at heating our whole house, including up to our bedroom which is two floors up in the attic. The stove gives off a lot of heat and is still warm in the morning. It is easy to set the fire and once up to the best temperature, it is easy to maintain the heat. Our dogs can’t get close enough.”

Mr & Mrs B - UK



850



850 in Sparkle Black paint finish with alloy trims

The original Ecco Stove® and largest of the range. For larger properties and open or public spaces the 850 becomes the heart of the area and a constant source of warmth. With a similar design to the 678, this model can be styled to any living space using our range of colours.

Key Features

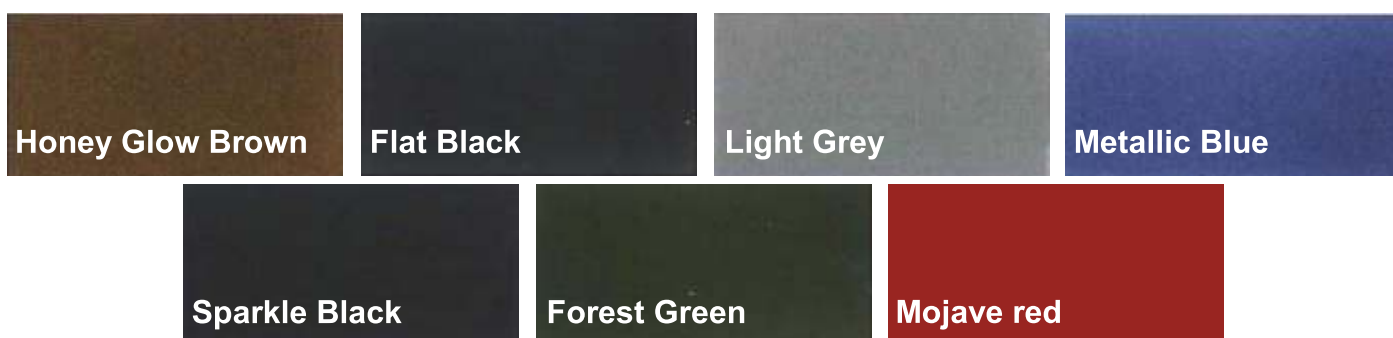
Natural Heat	Natural Heat	Output	Efficiency Class	Heat Retention	Log Length
Up to 280m ² 3000ft ²	Up to 15 Rooms	11.5kw 38000 BTU	85.3% A+	Up to 7 Hours	483mm

Options

	Warm Air	Hot Water	External Air	Extension	Heat Shield
Available	No	No	Yes	No	Yes

Minimum Opening Size*: Height 1400mm / 55^{1/4} x Width 1000mm / 39^{3/8}

Colours - One or more per stove.



Technical Specifications

Dimensions

	580	645	678	730	850
Height	730mm 28 3/4"	884mm 34 3/4"	878mm 34 3/4"	1046mm 41 1/4"	1120mm 44"
Width	580mm 22 3/8"	645mm 25 1/3"	678mm 26 3/4"	730mm 28 3/4"	850mm 33 1/2"
Depth	500mm 19 3/4"	525mm 20 3/4"	525mm 20 3/4"	500mm 19 3/4"	540mm 21 1/4"
Log Length	370mm 14 1/2"	340mm 13 2/5"	420mm 16 1/2"	400mm 15 3/4"	483mm 19"
Weight	270kg 595 lbs	600kg 1323lbs	550kg 1212lbs	600kg 1323lbs	800kg 1763lbs

Output | Retention | Efficiency

	580	645	678	730	850
KW	7	8.4	10.3	10.6	11.5
BTU	23,500	28,662	35,020	36,040	38,000
MJ Stored	N/A	90	114	120.7	134
Heat Storage Hrs	5-6 @ 25%	8.4 @25%	12.3 @ 25%	7 @ 25%	7 @ 25%
Heats Up To	140m ² 1500ft ²	220m ² 2368ft ²	240m ² 2583ft ²	260m ² 2500ft ²	280m ² 3000ft ²
Rooms Heated	Up to 6	Up to 10	Up to 12	Up to 12	Up to 15
Efficiency Class	80.4% A	85.4 -93%* A+ *Slow Heat Release	83.9 -88%* A - A+ *Slow Heat Release	83.6 -86.5%* A+ *Slow Heat Release	85.3% A+

Clearance To Non Combustibles

	580	645	678	730	850
Top	125mm 4 7/8"	125mm 4 7/8"	125mm 4 7/8"	125mm 4 7/8"	150mm 5 7/8"
Sides	100mm 4"	125mm 4 7/8"	125mm 4 7/8"	125mm 4 7/8"	125mm 4 7/8"
Rear	75mm 3"	80mm 3 1/7"	75mm 3"	75mm 3"	75mm 3"
Front	300mm 11 3/4"	300mm 11 3/4"	300mm 11 3/4"	300mm 11 3/4"	300mm 11 3/4"

Clearance To Combustibles

	580	645	678	730	850
Top	350mm 13 3/4"	350mm 13 3/4"	350mm 13 3/4"	350mm 13 3/4"	350mm 13 3/4"
Sides	450mm 17 3/4"	500mm 19 3/4"	450mm 17 3/4"	150mm 6"	600mm 23 5/8"
Rear	150mm 6"	500mm 19 3/4"	350mm 13 3/4"	150mm 6"	600mm 23 5/8"
Front	400mm 15 3/4"	400mm 15 3/4"	400mm 15 3/4"	400mm 15 3/4"	400mm 15 3/4"

Flue Information

	580	645	678	730	850
Centre flue from rear of stove	136mm 5 1/3"	145mm 53/4"	136mm 55/14"	143mm 510/17"	115mm 41/2"
Flue Size	150mm 6"	150mm 6"	150mm 6"	150mm 6"	150mm 6"

OUR CUSTOMERS SAY IT BEST...

ECO STOVE[®]

Google
Reviews ★★★★★



ECO STOVE[®]

wraps your house in warmth

Natural heat for your house...

Having had the Ecco Stove[®] for 4 winters now I can honestly say that all the statements made when purchasing have become reality.

The stove heats up so quickly and uses just 8-10 Kiln dried logs in a full day that means I spend less than £300 a year heating my living areas.

A lovely eco friendly way to enjoy a warm glowing fire.

Andrew - UK

We are really pleased with Ecco Stove[®], from both appearance and efficiency points of view. Whilst somewhat quirky, it has certainly drawn attention from almost all visitors here during the parts of the Winter that we were in the UK. I have no doubt at all that your company and some of my guests will get acquainted in the not too distant future.

Both Trish and I offer our genuine thanks for your fabulous attitude to after-sales service....and of course for inventing, producing and installing a great product.

Trish and Kim - UK

Three years ago the back boiler went on my multi-fuel central heating, and you came to advise me on replacing it. I was interested in the Ecco Stove[®]. You said it would heat the cottage, though not the conservatory, and pointed out that it would work better in a more open plan house than a cottage with several little rooms. It does a great job and I'm really pleased with it. It does in fact heat the conservatory to a satisfactory background heat (round all the corners!). It is amazing how it holds heat over night. It is really easy to get going. My old central heating used to use three times as much fuel to keep it going. I'm really impressed.

Caroline - UK

The heat generated for the amount of logs used from our Ecco E580 is excellent. The heat flow around the house is effective and so appreciated because our bedrooms are now warm!

I was told as a child I was born in a barn! As I hated closing doors and I'm still the same. With our Ecco Stove[®] masonry heater I now leave doors open knowing the heat is circulating around the house. The central heating bill has been greatly reduced.

Catherine - UK

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If you would like to book a quotation, get further information, see a live demonstration model or order your Ecco Stove® please contact us:

Ecco Stove Ltd®
2 Redditch Rd, Studley
Warwickshire
B80 7AX
+44 (0) 1527 857814
sales@eccostove.com

www.eccostove.com



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