



**DEFRA
APPROVED**



eco-ideal

 Multifuel Room Heaters

The uniquely British environmentally friendly heating solution



hunterstoves
GROUP



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Lowering your environmental impact

Concerned about your carbon footprint? Take action. Our eco range offers efficient home heating with minimal environmental impact. And we've got the test results to prove it...

Ready for the future

Eco-ideal isn't just a name – it's a statement. We believe that our countryside is worth protecting. So we designed the eco-ideal range with significantly lower emissions than traditional multi-fuel stoves. Certified by European experts to be exempt from the Clean Air Act, every eco-ideal heater is permissible in Smoke Control Areas.



Warranty

All eco-ideal authorised dealers provide you with an extended 10-year warranty.
For full warranty specifications and terms and a list of authorised stockists, please visit www.hunterstoves.co.uk.

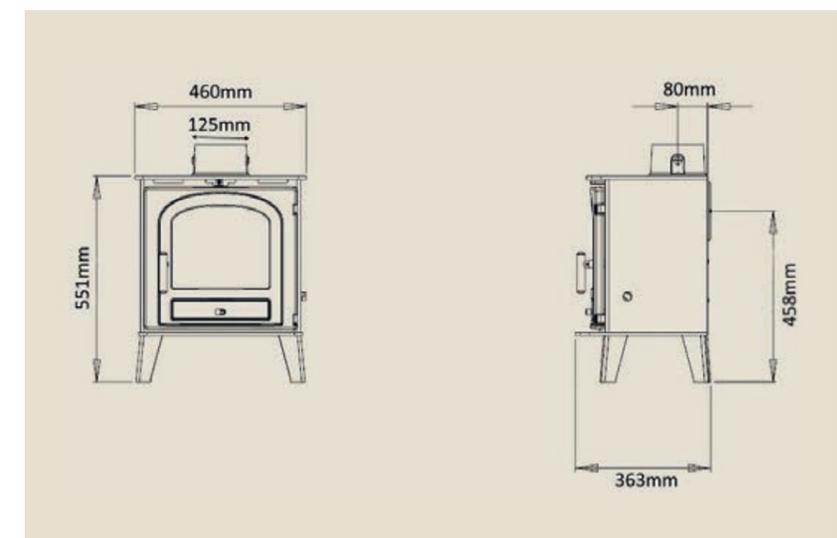


For rooms on the smaller side, we've designed an eco-friendly, compact stove that has wonderfully neat dimensions. The eco 1 still boasts all the stylish good looks and landmark technologies of the bigger versions though, so you're not missing out. Whether your home is a period terrace or a chic new build, the eco 1 will fit your lifestyle beautifully.



Heat Output
3.5kW to 5.5kW

Nominal Output
4.7kW

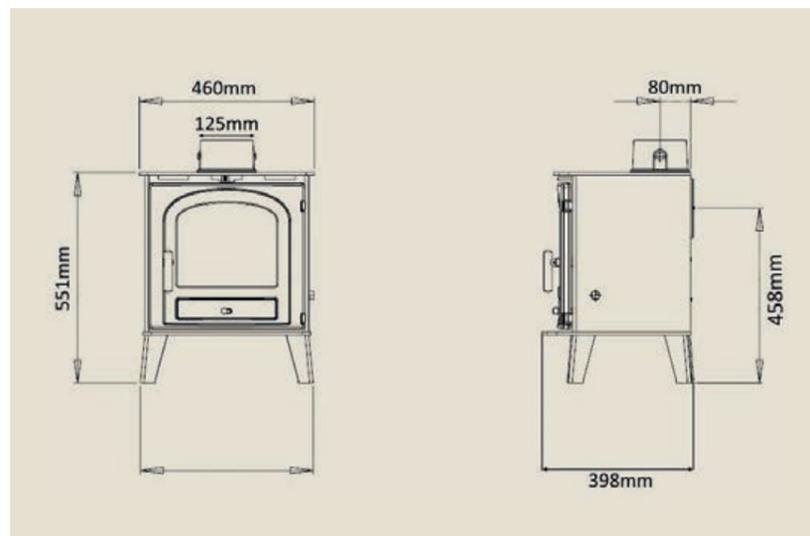




This hardworking stove will serve your family for decades and its good looks will never go out of fashion. The reliable and adaptable eco 2 produces an impressive heat output range of 3.5kW to 7kW, thanks to powerful Cleanburn technology which maximises results and reduces emissions. Like all the eco stoves, it incorporates our two-position grate system for burning wood and smokeless fuels incredibly efficiently. Many competitors' stoves have a fixed grate system with wood embers falling through the grate into the ashpan, whereas the eco-ideal grate system builds a bed of hot ash for optimum wood burning.



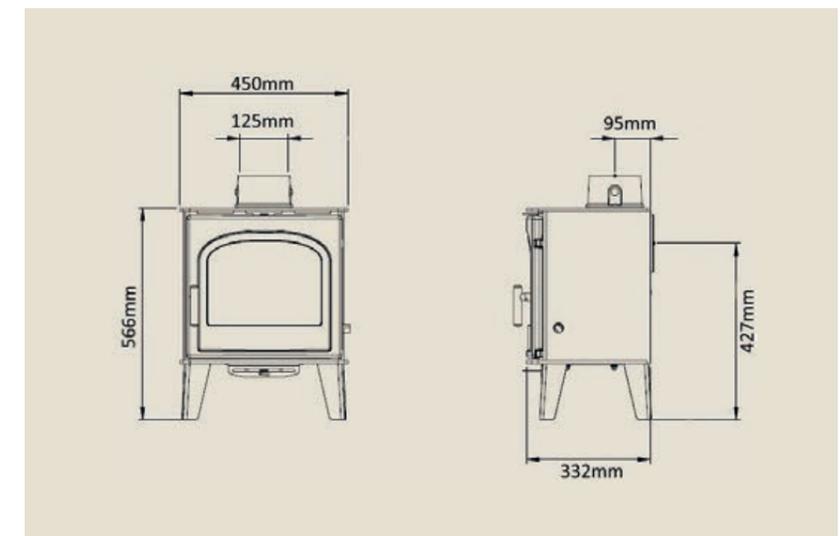
Heat Output
3.5kW to 7kW
Nominal Output
4.0kW



A perfect combination of style and technology, the eco 3 radiates charm and sophistication. Plus, with an output of up to 5kW, there is no need to have a cumbersome air brick installed. Everything about this stove has been designed to make your life easier: our Tripleburn[®] technology will get as much heat as possible from your fuel, whilst the hot airwash will even keep the glass clean for you. What are you waiting for? Put your feet up and let your new eco 3 keep you warm.



Heat Output
3kW to 5kW
Nominal Output
4.6kW



eco 4 slimline

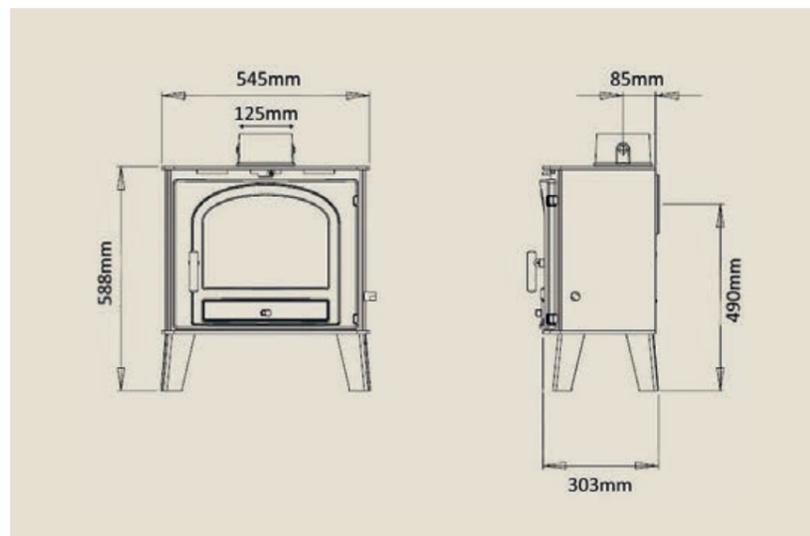


If you want a cosy room but are limited in space, here's your perfect match. The eco 4 is our solution to a problem that is familiar in many homes: a wide fireplace with a narrow hearth. This space-saving room heater is certainly not stingy when it comes to performance either. You can load the fuel bed with smokeless fuel or large 16" logs and enjoy a generous output range of 3.5kW to 6.5kW. Complete with renowned eco-ideal technology, the eco 4 Slimline will keep you toasty all winter long.



Heat Output
3.5kW to 6.5kW

Nominal Output
4.4kW



eco 5

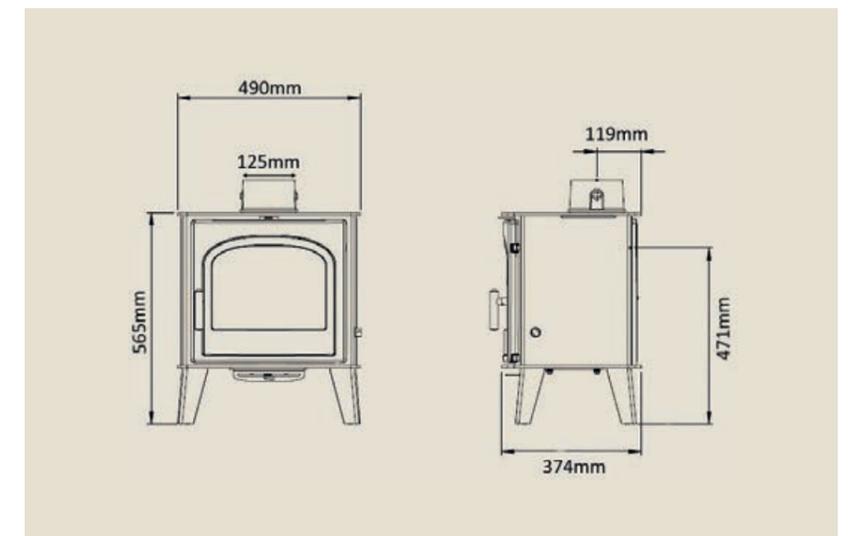


A combination of stylish good looks and cutting-edge technology, the eco 5 ticks all the right boxes. With a larger glass window for a picturesque view of the fire, it makes a great focal point in any room. Of course, it also boasts our famous eco-ideal technology, which gives it high efficiency and low CO emissions.



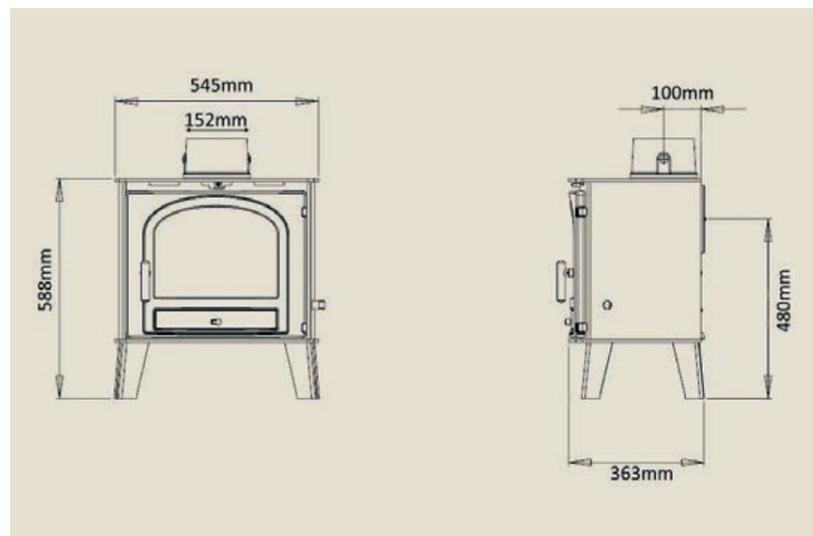
Heat Output
4kW to 6kW

Nominal Output
4.4kW





Want a roaring fire without the carbon guilt? Our largest eco model blasts out an impressive heat output range of 5kW to 8kW and still meets the Clean Air Act requirements! Load the eco 6 up with seasoned wood and enjoy a cosy fire with our lowest-ever emissions and an efficiency of 78%. And if you want to burn smokeless fuel, the eco-ideal grate system offers fantastic results.



eco-ideal Tripleburn[®] technology

So how does our famous Tripleburn[®] work? It involves the use of three streams of air to maximise combustion. Air is drawn in beneath the fuel, above the fuel (passing in front of the glass door), and behind the fuel. This hot air improves ignition so that the wood or smokeless fuel is burned more efficiently.

What this efficiency actually means is that you'll get more warmth from your stove – a better performance from less fuel. You can heat your living space for less than other options might cost.

It also means that there's less carbon monoxide and hydrocarbon travelling up the chimney – for a cleaner atmosphere. So there's an environmental benefit on top of the economical benefit. Some would call it win-win-win; we call it Tripleburn[®].



Optimum wood burning conditions

The Tripleburn[®] technology improves the ignition of the fuel, with a jet of air directed into the heart of the fire. When the grate is in the closed position, creating a flat base, it allows a deep bed of ash to build up – these are the optimum conditions for burning wood.

Airwash keeps the glass clean

Hot Airwash Technology does the work for you. A 'Secondary Air' wash maintains a stream of air between fuel and door, reducing the build-up of carbon deposits on the glass.



Optimum solid fuel burning conditions

When burning smokeless fuel, the grate is moved to the open position by a single turn of the handle. 'Primary Air' is then directed under the open grate and into the heart of the fire, ensuring a clean, efficient burn.

'Tertiary Air' re-ignites the un-burnt gases ensuring a cleaner burn.

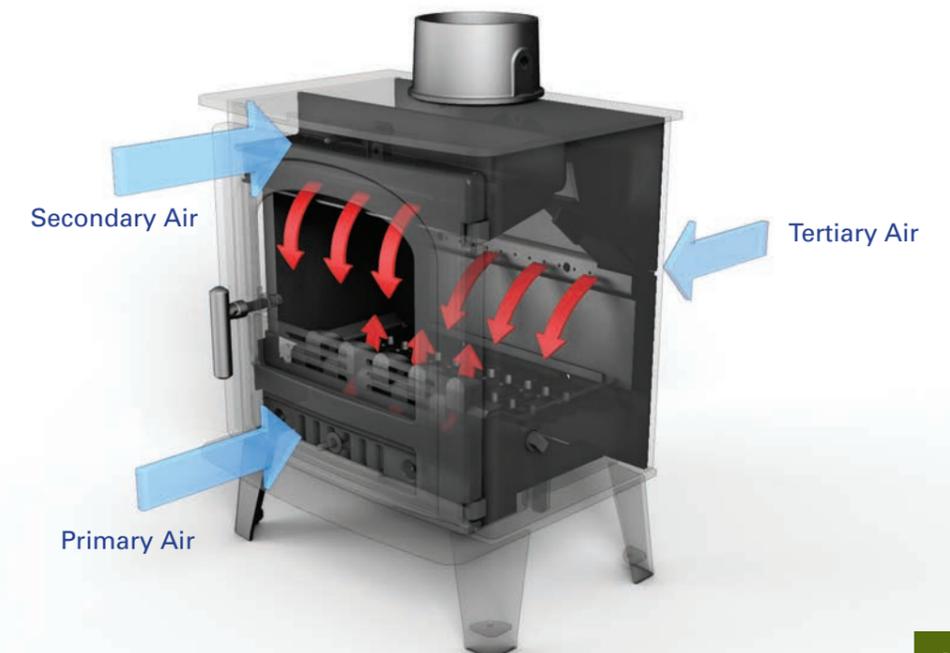


Independently CE tested and approved

All the stoves in the eco-ideal range meet the stringent CE approval test requirements.

Designed for and tested under the Danish testing standards.

- Tripleburn[®] technology
- Exceptionally hot air wash
- Dust free, safe and easy riddling
- Multi-fuel grate system for burning wood or solid fuel



Technical key

	eco 1	eco 2	eco 3	eco 4 slimline	eco 5		eco 6
Efficiency on wood (%)	76	78	75	74.1	73.5		73
Emissions (CO, %)	0.30	0.44	0.19	0.32	0.17		0.16
Heat output range (kW)	3.5 – 5.5	3.5– 7	3 – 5	3.5 – 6.5	4 – 6		5 – 8
Nominal heat output (kW)	4.7	4	4.6	4.4	4.4		5.6
Can be installed without an Airbrick fitted*	YES	YES	YES	YES	YES		~
Flue damper	•	•	•	•	•		•
Flue gather box	•	•	•	•	~		•
Ventilation (mm ²)	NOT REQUIRED		550				
Log sizes (approx.) (mm / ")	280 / 11	280 / 11	300 / 11 ³ / ₄	405 / 16	320 / 12 ¹ / ₄		380 / 15
Leg lengths (mm / ")	125 / 5	125 / 5	125 / 6	125 / 6	125 / 6		125 / 6
Minimum hearth thickness required (mm)	Freestanding: 12 Recessed: 125		Freestanding: 12 Recessed: 125				
* Clearance distances to combustible materials (mm)	Rear of stove: 600 Sides of stove: 400		Rear of stove: 600 Sides of stove: 400				
* Clearance distances to non combustible materials (mm)	Rear of stove: 50 Sides of stove: 50 Above the stove: 150	Rear of stove: 50 Sides of stove: 50 Above the stove: 150	Rear of stove: 50 Sides of stove: 50 Above the stove: 150	Rear of stove: 50 Sides of stove: 50 Above the stove: 150	Rear of stove: 50 Sides of stove: 50 Above the stove: 150		Rear of stove: 50 Sides of stove: 50 Above the stove: 150
Weight (Kg)	103	104	95	99	117		105

• = option ~ = not available

NB. Please note that all weights are approximate and could vary slightly.

NB. Ventilation is dependent on the Permeability Rating of the Building.

NB. Where possible it is recommended that a free air gap of 150mm or more is left around the sides of the stove to obtain maximum heat output and to gain access to the rear of the freestanding stove.

For further details please visit:

<http://www.planningportal.gov.uk/buildingregulations/approveddocuments/partj/approved> and download the free copy of Document J. Info about the ventilation and air permeability ratings is table 1 on page 29.

* For full information regarding Clearance details, please refer to the Instruction manual. Instruction manuals can be found on our website www.hunterstoves.co.uk

Heat outputs are dependent on fuel load and installation parameters. Performance of units can vary greatly dependent on flu draughts, weather conditions, type of fuel and moisture content etc. eco-ideal has a policy of continuous product improvement and therefore reserves the right to change specifications and designs at any time without prior notice. eco-ideal recommends that the suitability of any installation should firstly be agreed with a HETAS qualified installer, or similarly accredited professional, to ensure compliance with Building Regulations. eco-ideal will not be held responsible for any losses, however arising, from inappropriate installations by unqualified or non-competent installers. An inappropriate installation will invalidate claims made under the manufacturer's warranty or guarantee.

Options

Your new stove is ready to be customised.

Optional flue damper and gather box: use the damper to reduce the air inflow and let your stove burn slowly overnight when burning wood. The flue gather can be used for rear flue installations with limited space.



Optional flue damper

Optional flue gather box

HOW MUCH SPACE WILL MY STOVE NEED?

All our freestanding units are safe to install with a clearance of 2" (50mm) either side and above the stove to NON-COMBUSTIBLE materials. However, for optimum performance and heat output we recommend a clearance of 6" (150mm). Behind the stove there should be a clearance of 4" (100mm) to enable access to the Tertiary Air inlet.

WHAT IS A NOMINAL OUTPUT?

The nominal output is the output achieved under specific test conditions by the independent test laboratory. The stoves tend to be operated with the air controls set at less than maximum and with relatively modest fuel loads. We recognise that end users are unlikely to operate the stoves in this way and therefore we carry out internal testing to suggest a reasonable **Heat Output Range** that the customer should achieve without over firing the unit.

DEFRA Clean Air Act Approved

If you live in a designated Smoke Control Area, the Clean Air Act prevents you from emitting smoke from your chimney – with offenders facing a fine of up to £1000. This means you're usually only able to burn authorised smokeless fuel.

However, the eco-ideal range are not like ordinary stoves. When burning well seasoned logs, our stoves smoke so little that in October 2011 DEFRA declared them exempt from the Clean Air regulations.

This means that you can use an eco-ideal to burn wood, even if you live in a Smoke Control Area.

The eco-ideal's built-in technology ensures that emissions are consistently low. We're delighted to have met the stringent demands of the Department for the Environment, Food & Rural Affairs. If you're in a Smoke Control Area, you'll be equally delighted with the results.



Made in Cornwall

We are proud to be designing, engineering, developing, testing and building our stoves in Cornwall.



eco-ideal



Eco-ideal

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