



ESSE

HEATING STOVES

THE ESSENCE OF COMFORT



THE FAME (circa 1860) This stove was first produced in Bonnybridge, Scotland by the Smith and Wellstood Foundry. In the early 1900s the company took on the trade name ESSE.



MASTER
STOVE
MAKER
SINCE 1854

ESSE

Our highly skilled engineers and craftsmen have applied their knowledge and precision for over 160 years to produce the finest stoves. Hand-built in Britain, using high quality British cast iron and steel, along with a mix of traditional and innovative production techniques, ESSE stoves will last a lifetime while adapting to an ever-changing world. That's why our products find their way to family homes across the world, taking with them a legacy of excellence.

INVEST IN AN ESSE

There is something special about Barnoldswick. Maybe it's the beautiful rolling hills under heavily knitted skies, or the warm-hearted community whose conversation often turns to the cool breeze. Whether it's the robust landscape, the kind people, or this industrious country, Barnoldswick has proved to be the perfect place to produce the finest stoves.

Here our engineers and craftsmen combine their focus on heritage with forward-thinking solutions to ensure ESSE stoves are as beautiful and practical today as they were in 1854 and will continue to be as timeless and innovative in the future.

We build products with boundless durability, so the stove that your grandparents dreamt of will be the same one your grandchildren will cherish. When you own an ESSE, you own a focal point, somewhere to make memories, share stories, and warm hearts.



THE UNIVERSITY OF MANCHESTER

— WORKING WITH —

THE ENGINEERS OF ESSE

Working in conjunction with a team of specialist combustion scientists from the University of Manchester, ESSE engineers apply 160 years' expertise in clean combustion technology to reduce particulate emissions without compromising the stove's performance or control. ESSE's range of wood fired stoves meet the tight air quality emission requirements under the UK Government's Clean Air Strategy. We invest additional research and design effort into ensuring the products exceed Ecodesign standards, introducing new models and re-engineering existing models to comply.

Today's stoves are built to much tighter tolerances than they were just a decade ago. Consequently, modern wood burning appliances' combustion is much cleaner. However, even the cleanest burning models can produce high levels of particles if used incorrectly. Fuel quality and stove operation all affect the type of combustion achieved,

hence real world results can differ considerably from those attained under stove certification conditions. The ESSE product development team is committed to taking real world operating conditions into account. The installation of the stove and flue and the moisture content of the wood burned are also critical to achieving a sustainable long-term solution.

We believe that a stove should perform well on low, medium and high settings and that's what we work towards. If we don't get the combustion calibration exactly right, the precision control our customers expect will be compromised. Spacious fire boxes ensure air surrounds your fuel for a cleaner burn, precision controls allow complete management of the air flow within the stove to optimise your burn rate and ESSE's patented filter further cleans emissions by reburning particulates escaping the fire box before entering the flue.



Precision burn gears to better control the air supply and combustion rate.



Particulate reburn technology delivers a cleaner burn.



Air control to adjust the burn rate.

The downward air wash maintains a clear screen.

Rear air to the fire bed helps improve efficiency and a clean burn.

Riddling grate for simple removal of excess ash.

WARMS YOUR HEART – NOT THE PLANET

HANDCRAFTED IN BRITAIN — SINCE — 1854

From the very first day of production, our focus has been on creating beautiful stoves while embracing technology to ensure their excellence. This skill, knowledge and mindset continues to be handed down through each generation of engineer. As a result, every ESSE stove that leaves our Barnoldswick factory today is as stylish and advanced as ever.

Our reputation for high-quality stove making quickly grew. By the end of the 19th century, you would find ESSE products in homes, hotels and businesses across Britain, Europe and even on Arctic expeditions.

With this reputation came a responsibility to keep up with the rapidly changing world. A devotion to being as good as we can be means we develop some of the cleanest, efficient and innovative heating appliances available today. We have introduced new products which not only

meet but surpass international requirements, aiding global clean air strategies. Our high-quality product design, manufacturing and performance will always offer the long-lasting build quality, convenience and flexibility demanded by modern lifestyles.

With products that are boundlessly durable, using British cast iron and steel, owning an ESSE is a partnership for life. That's why we have an approach to customer relations that matches.



THE ESSE 100 SERIES







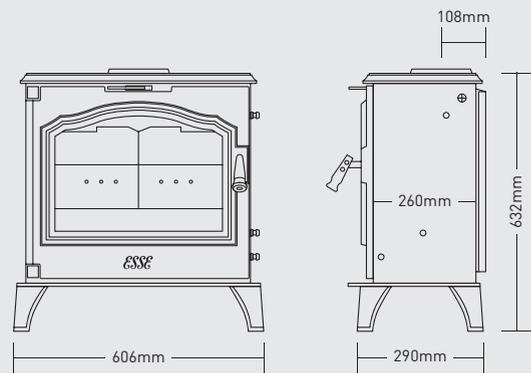
Particulate reburn filter control.



Push pull roller catch handle.



Precision burn geared air control.



SPECIFICATIONS

Energy rated	A
Efficiency	83.7%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Weight	85kg

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear

CLEARANCES TO COMBUSTIBLES

Sides	600mm
Rear	600mm

Reduce clearances with an additional rear heat shield and insulated flue (Sides 400mm / Rear 75mm)

Approved for use on decorative hearths	Yes
Additional room vent	No

105

The ESSE 105 has a traditional look but with modern super clean catalytic performance. With all the visual presence of a larger stove, the ESSE 105 has a reduced depth to sit neatly on a shallow hearth.

The ESSE 105 incorporates patented Particulate Reburn™ Technology, essentially the combination of a particle filter and a catalytic combustor, to extract more heat from every log to maximise output with minimal emissions. A manual bypass control ensures easy lighting and easy refuelling.

**IT'S GOT ESSE
WRITTEN ALL
OVER IT!**

**WITH
SIGNATURE
DOOR ARCH
STYLING**

**A STOVE
WITH A HISTORY
& A FUTURE**

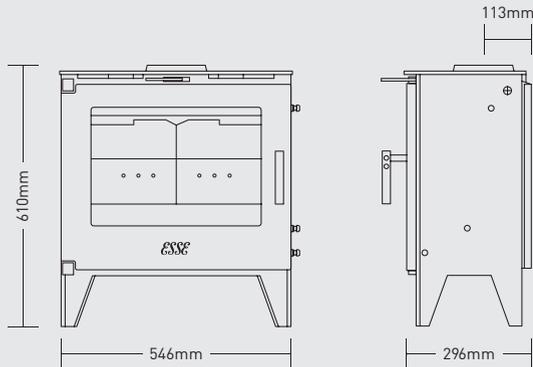
155

Sharp in design and very 21st century, the ESSE 155 reflects the 'clean in design and clean in use' principles of ESSE founder James Smith when he made his first ESSE stove back in 1854.

The ESSE 155 uses our patented Particulate Reburn™ Technology, essentially the combination of a particle filter and a catalytic combustor, designed to provide more heat and reduce emissions. A manual bypass control ensures easy lighting and easy refuelling. The 155 has a narrow front to back design, perfect for sitting on shallow hearths.



Precision machined door hinge.



SPECIFICATIONS

Energy rated	A
Efficiency	83.7%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Weight	82kg

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear

CLEARANCES TO COMBUSTIBLES

Sides	600mm
Rear	600mm

Reduce clearances with an additional rear heat shield and insulated flue (Sides 400mm / Rear 75mm)

Approved for use on decorative hearths	Yes
Additional room vent	No



Ancient
MODERN

— A —
**21ST CENTURY
STOVE**

**BUILT ON 160 YEARS'
EXPERIENCE**

SLIMLINE PROFILE
**HEAVYWEIGHT
PERFORMANCE**





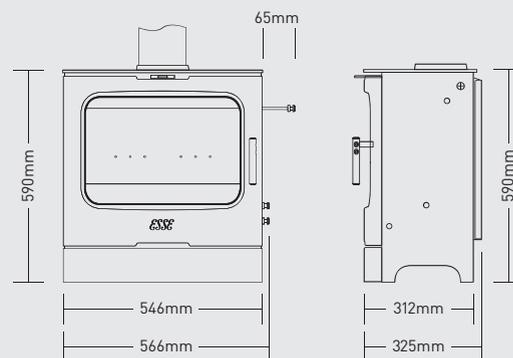
175

Bold and beautiful, with clean, contemporary lines, the ESSE 175 is a clever number. Its design incorporates intelligent engineering for more heat and less smoke – perfect for urban environments. And it looks the part too.

The ESSE 175 features our wide-fire view, clear glass, and a slim profile. It is available with bridged feet (pictured) or a distinctive solid base valance as shown on our 775 model. Inside, our patented Particulate Reburn™ Technology (essentially a particle filter and a catalytic combustor combined) creates more heat and reduces emissions. A manual bypass control means it's easy to light and refuel.

**A STOVE
FOR THE
ECO-CONSCIOUS**

**THE CLEANEST
WOOD BURNING
STOVE WE'VE EVER BUILT**



SPECIFICATIONS

Energy rated	A
Efficiency	83.7%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Weight	98kg

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear

CLEARANCES TO COMBUSTIBLES

Sides	600mm
Rear	600mm

Reduce clearances with an additional rear heat shield and insulated flue (Sides 400mm / Rear 75mm)

Approved for use on decorative hearths	Yes
Additional room vent	No



Fitted with a patented catalytic combustor to reburn gasses and particulates.

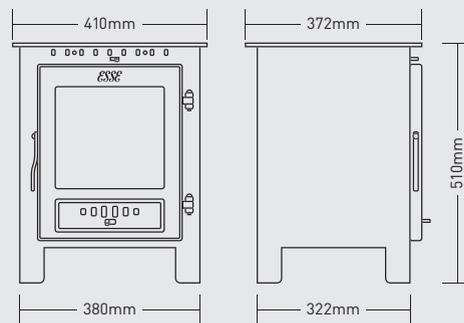


THE ESSE 1





Optional 300mm integrated log store.



SPECIFICATIONS

Energy rated	A+
Efficiency	81.9%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Weight	56 kg

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear
Centre of top flue from back	155mm
Centre of rear flue from floor	400mm

CLEARANCES TO COMBUSTIBLES

Sides	500mm
Rear	700mm

Reduce clearances to 400mm with an additional rear heat shield and insulated flue

ESSE 1

We think everyone should have a chance to own a beautiful ESSE wood burning stove, and the ESSE 1 is designed to make that possible. It's affordably priced, but far from basic: a high quality hand-built ESSE stove with clean burning performance to match its classic looks.

According to Aesop, 'good things come in small packages'. This adage is certainly true when it comes to the ESSE 1. It is far from basic and, as you would expect from an ESSE, it is packed with small details including a flue draft test point and even levelling adjustment so it can sit on a slightly uneven hearth. Position the ESSE 1 further forward into your room with an optional rear flue.

SMALL
— & —
POWERFUL

**AFFORDABLE,
YES.**

BASIC, DEFINITELY NOT!

THE ESSE 500 SERIES





500

With its cosy, cottage looks, the ESSE 500 brings a warm, homely feel to any living room. And that's the real beauty of it, we've made sure it fits standard fireplace openings, so it feels spot on in houses up and down the land.

The ESSE 500 features our signature door-arch styling, together with advanced performance. Wide, clean glass gives you a clear view of the flames, while an efficient fire box, fed by rear air, delivers great fuel economy. The 500 is made from high-quality steel embellished with cast iron detailing. Easy-to-use, it's a 5kW wood burning stove with a riddling grate and handy ash pan. All our stoves have a flue draft test point to make installation easier.

TOP FLUE?

OR

REAR FLUE?

IT'S UP TO YOU!

**IRON CAST
ENGINEERED
TO LAST**

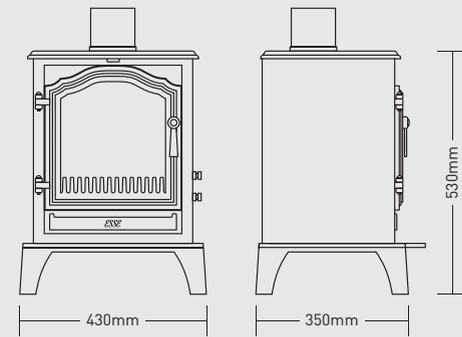




Riddle grate for ash removal.



Heritage branding.



SPECIFICATIONS

Energy rated	A+
Efficiency	82.9%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Approved for use on decorative hearths	Yes
Weight	60kg

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear
Centre of top flue from back	155mm
Centre of rear flue from floor	400mm

CLEARANCES TO COMBUSTIBLES

Sides	400mm
Rear	450mm



525

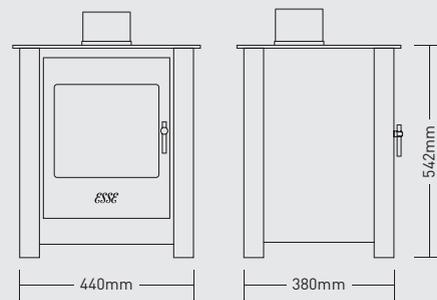
A stunning piece of contemporary design – combining the timelessly comforting appeal of a traditional British-built woodburner with stripped down, minimalist, almost Scandinavian styling.

A contemporary stove with a 5kW nominal heat output, the ESSE 525 is ideally suited to sit in a fireplace chamber or builders' opening. The spectacular and uncluttered view of the flames is elegantly framed by stainless steel columns and can be easily controlled by beautifully engineered air controls. Its small footprint and moderate output make it easy to plan into a modern living space without overpowering a centrally heated room. A twin position riddling grate allows for the simple removal of excess ash.

Flickering flames
DANCING SHADOWS
&
BURN RATE CONTROL

A STOVE WITH
A TOUCH OF "SCANDI" STYLE

HAND-BUILT IN
BARNOLDSWICK,
LANCASHIRE



SPECIFICATIONS

Energy rated	A+
Efficiency	82.9%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Approved for use on decorative hearths	Yes
Weight	80kg
Additional room vent	No

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear
Centre of top flue from back	155mm
Centre of rear flue from floor	400mm

CLEARANCES TO COMBUSTIBLES

Sides	400mm
Rear	450mm



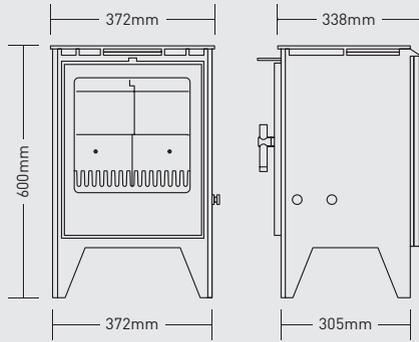
Optional stainless steel pillars.



Rectangular profiled door.



Air control slider at top of door.



SPECIFICATIONS

Energy rated	A+
Efficiency	82.9%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	5.0kW
Approved for use on decorative hearths	Yes
Weight	51kg
Additional room vent	No

FLUE

Flue pipe diameter	5" (125mm)
Flue outlet	Top or rear
Centre of top flue from back	155mm
Centre of rear flue from floor	400mm

CLEARANCES TO COMBUSTIBLES

Front	305mm
Sides	400mm
Rear	450mm
Top	450mm



550

Tall and elegant, the ESSE 550 adds a striking statement look to your home. With its distinctive tapered legs and oversized window, the 550 feels relaxed and sophisticated. But don't be fooled, it pushes out some impressive heat.

The handsome ESSE 550 uses our proven, super-efficient ESSE fire box design. An ideal focal point for a modern, open-plan space or centrepiece of a cosy living room, the 550 has an A+ energy rating and clean burning design suitable for UK smoke-exempt zones. A riddling grate makes it easy to collect ash in the pan below.

It's taken us
OVER
160^{YRS} TO BUILD A
STOVE THIS
BEAUTIFULLY
FUEL-EFFICIENT

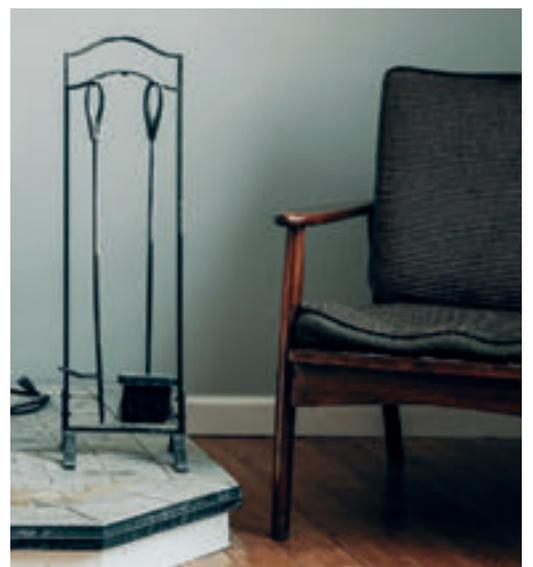
EASY TO USE
EASY ON THE EYE

WITH
SIMPLE TOP AIR
CONTROL SLIDER





THE ESSE 700 SERIES



705

The 705 is traditional in look but with a modern Ecodesign performance. The 705 is the larger ESSE with a heat output range between 6kW and 11kW for the larger living room.

The ESSE 705 is a seriously big stove with the heat output and presence to fill a town house or farmhouse room. The simple precise and user friendly control with a single air slider gives you total control over the 6-11kW output range. The large fire box view is neatly framed behind the distinctive 'ESSE' arched window. Thanks to a highly efficient air wash system the glass remains clean. Air is added from the back of the fire box to make the stove burn even more cleanly and efficiently.



ESSE signature cast iron door arch pattern.



ENJOY THE VIEW!

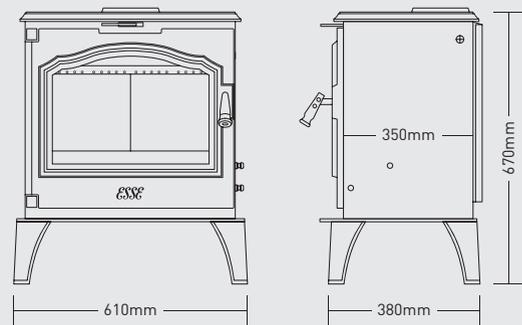
WITH

**LARGE LANDSCAPE
WINDOW ONTO YOUR FIRE**

NO LIVING SPACE TOO LARGE

WITH A MIGHTY

6-11kW HEAT OUTPUT



SPECIFICATIONS

Energy rated	A
Efficiency	76%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	9.6kW
Approved for use on decorative hearths	Yes
Weight	102kg
Additional room vent	(Ø 62mm)

FLUE

Flue pipe diameter	6" (150mm)
Flue outlet	Top or rear

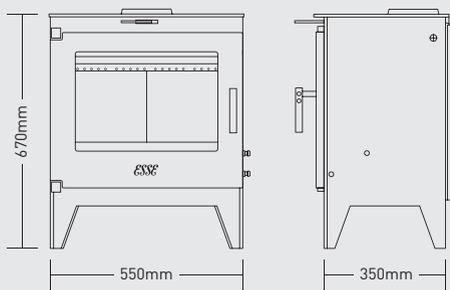
CLEARANCES TO COMBUSTIBLES

Sides	500mm
Rear	200mm

Reduce rear clearances to 100mm with an insulated flue



Cool touch handle.



SPECIFICATIONS

Energy rated	A
Efficiency	76%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	9.6kW
Approved for use on decorative hearths	Yes
Weight	102kg
Additional room vent	(Ø 62mm)

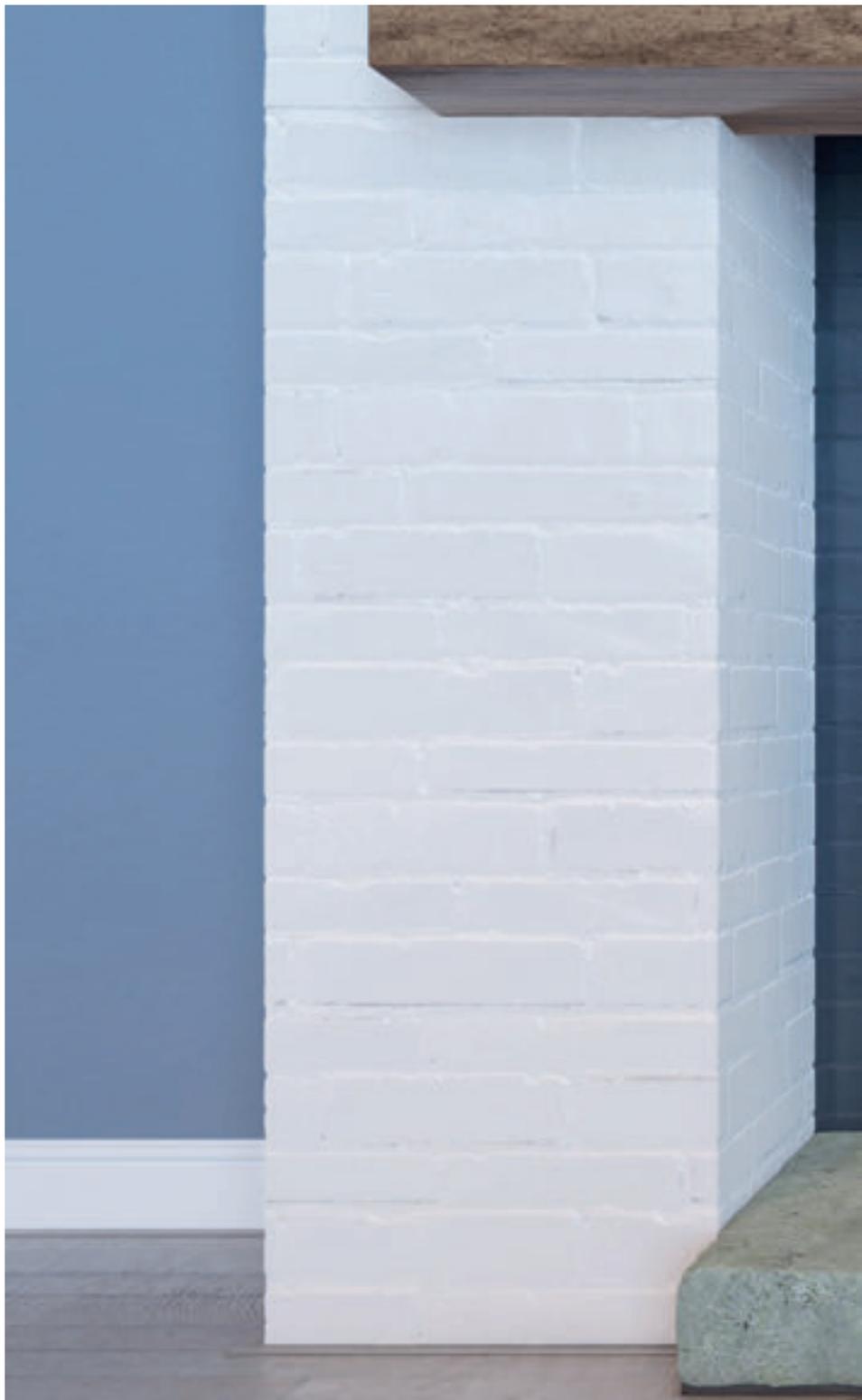
FLUE

Flue pipe diameter	6" (150mm)
Flue outlet	Top or rear

CLEARANCES TO COMBUSTIBLES

Sides	500mm
Rear	200mm

Reduce rear clearances to 100mm with an insulated flue



755

A contemporary minimalist stove made to take centre-stage. The 755, with its sleek simplicity and rugged rawness, is the ideal complement to any industrial styled interior. Bringing elegance, warmth and life to your living space.

Our signature large window sits within a classically designed door featuring beautiful, clean beading detail. With a single lever, the ESSE 755 is easy to use, while its nominal 9.6kW heat output and wide operating range of between 6-11kW gives you ultimate temperature control. Rear air is used to burn off unspent fuel for a more efficient cleaner burn, making the ESSE 755 Ecodesign compliant and Defra exempt.



KEEP CLEAR
WITH

**ESSE "AIRWASH"
TECHNOLOGY**

TO KEEP YOUR GLASS DOOR
FULLY TRANSPARENT

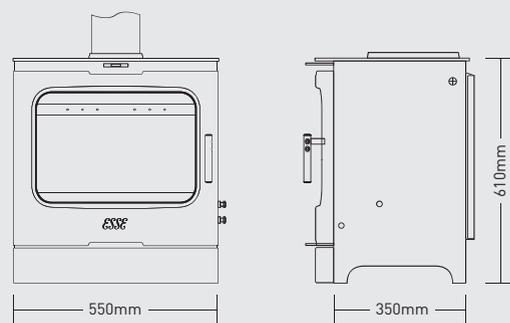
CLEAN BURNING STOVES?

OURS HAVE BEEN
FOR OVER A CENTURY





Operating tool supplied with every stove.



SPECIFICATIONS

Energy rated	A
Efficiency	76%
Ecodesign compliant	Yes
Smoke control area approved	Yes
Nominal heat output	9.6kW
Approved for use on decorative hearths	Yes
Weight	102kg
Additional room vent	(Ø 62mm)

FLUE

Flue pipe diameter	6" (150mm)
Flue outlet	Top or rear

CLEARANCES TO COMBUSTIBLES

Sides	500mm
Rear	200mm

Reduce rear clearances to 100mm with an insulated flue

775

Designed for larger spaces, the ESSE 775 creates an impression as well as a powerful heat source. The generous, deep fire bed adds visual drama, while our efficient stove convection system keeps temperatures toasty.

Available in two models, with feet or solid base valance, the large fireplace of the 775 sits behind sculpted round corners and a subtly curved door. An easy-to-use geared slider control, set above the door, means you can adjust the generous 6kW to 11kW heat output for perfect comfort levels and control the amount of fuel you use.

CLUNK!

HAVE YOU HEARD
HOW WELL YOUR ESSE
IS ENGINEERED?

ADJUST YOUR
CONTROL
TO
ADJUST YOUR
BURN RATE

TRIED & TESTED

At ESSE we are proud of our heritage. Since 1854, we have built a solid reputation for quality, a flare for style, and innovation that sparks change. Our story has been developing for over 160 years, so, if you are sitting comfortably, we would like to tell you a little about our history.

Caring in the heat of battle

ESSE was the first British manufacturer to design a stove specifically for burning anthracite, a naturally smokeless coal. This helped reduce the smog that blighted Victorian Britain during its industrial peak. Our closed combustion stoves and heaters were also cheaper to run and more efficient than an open fire.

Perhaps this is why Florence Nightingale insisted on only using ESSE stoves at the military hut hospital in Balaclava during the Crimean War.

Enduring the Antarctic

In 1905, we introduced cylindrical heaters featuring groundbreaking ESSE innovations such as a patented air regulator, improving efficiency, safety, and reliability.

Sir Ernest Shackleton really put our reliability to the test when, between 1907-1909, he chose an ESSE 'Mrs Sam' stove to provide warmth and sustenance during the British Antarctic Nimrod Expedition. 'Mrs Sam', along with the adventurers' hut, still stands proud at Cape Royds on Ross Island, amid the icy floes of the Antarctic. The stove's chimney can still be seen on Google Earth, simply key in 'Shackleton's Hut', Antarctica.

A burning passion for improvement

We are fuelled by a quest for innovation, that's why ESSE stoves have always been at the forefront of clean burning technology. Long ahead of its time, the 1919 Pioneer Stove had

a system that could burn wood smoke. Smoke reburning takes place before the waste gases enter the flue, resulting in cleaner emissions.

ESSE's big screen premiers

In 1985 an ESSE Premier Stove made its screen debut, appearing in the kitchen at Dunsmuir alongside Bond... James Bond, in 'A View To A Kill'. The large glass window, which is a signature of the ESSE, only became possible through the ingenious development of ceramic glass in the 1990s. Prior to this, stoves could only have small glass windows.

At home in farmhouses and country estates

Now accustomed to life in front of the cameras, our stoves regularly appear on the popular Channel 4 series, River Cottage, at the HQ farmhouse found on the Devon and Dorset border.

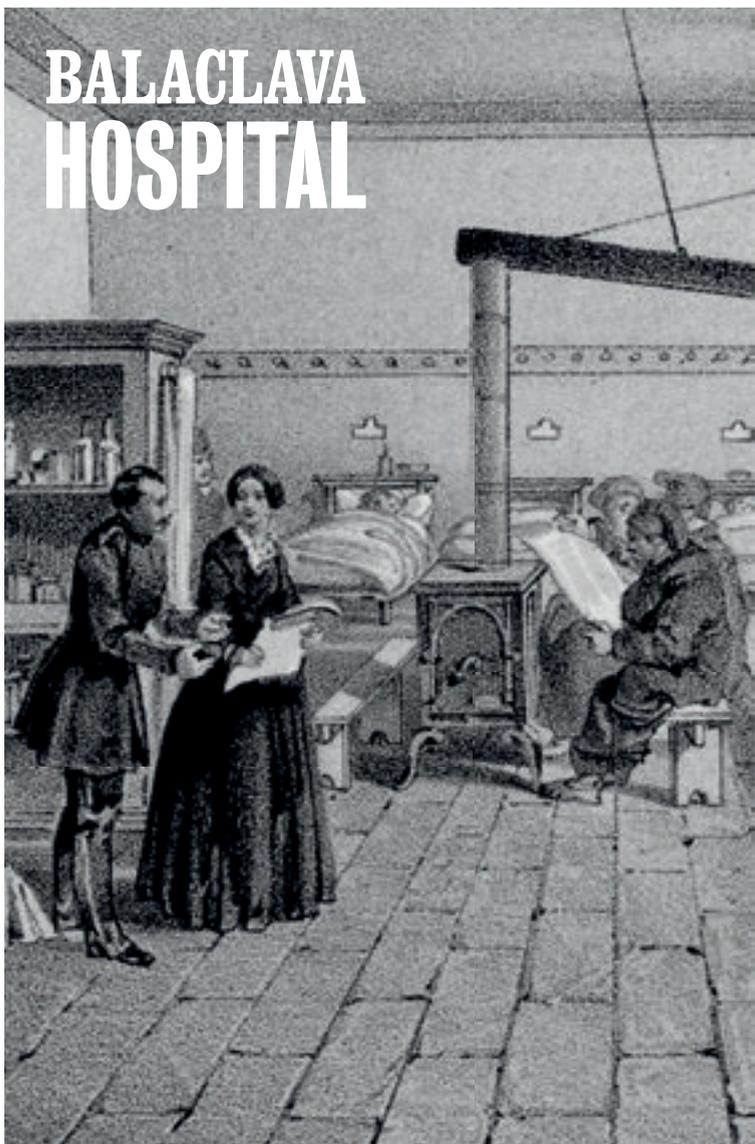
ESSE's reputation for style and quality has also reached the attention of royalty. A quartet of our stoves sit handsomely in Dumfries House, Ayrshire. They form part of the ambitious restoration project, in which King Charles III took a personal interest.

Craftsmanship that continues to be cherished

Now collectable items, good examples of ESSE heritage stoves are much sought after by enthusiasts. And while these earlier stoves might look different from our current range, the detail, craftsmanship and build quality lives on. You can rely on ESSE stoves being at the centre of stories for generations to come.



**BALACLAVA
HOSPITAL**



ANTARCTIC HUT



DUMFRIES HOUSE



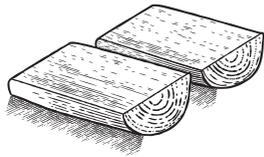
**RIVER
COTTAGE**



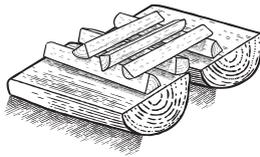
**DUNSMUIR
ESTATE**

Lighting and maintaining a wood stove is easy when you follow these simple steps

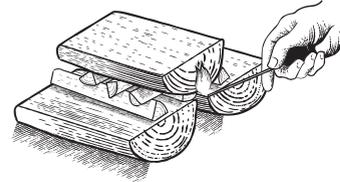
.....



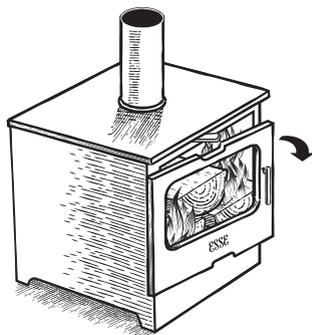
1. Place a split log of dry, seasoned wood in the base of the stove. Do not use damp or chemically treated wood.



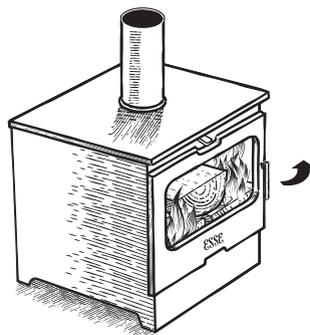
2. Lay on top six pieces of kindling in a grid as shown, avoiding pieces thicker than two inches.



3. Rest another piece of split log on top of the kindling. Set three fire starters amongst the kindling and light with a safety match.



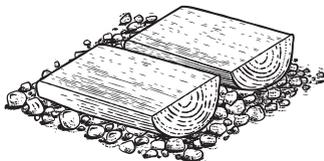
4. As the fire starts fully open all airway and filter controls.



5. After 15 minutes the heat will be sufficient to create a draught through the flue. Position controls to the desired burn rate.



6. Allow the fire to burn down to an even bed of glowing embers.



7. Refuel the stove with more dry, seasoned split logs.



8. The rate of burning and amount of heat can be varied using the airway control.



9. Treat yourself to an ESSE moment, relaxing in the warming glow of the stove.