

MASTER
STOVE
MAKER
SINCE 1854

ESSE





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SINCE 1854



ESSE: the warm heart of the home for 166 years

Heating trends have evolved since 1854, when the first ESSE stoves were sold, yet we still believe the deep, room-filling warmth of a stove remains the cosiest way to heat your home.

Although ESSE products maintain the look and feel of traditional stoves, the technology and innovation that underpins these craftsmen-built products is very definitely 21st century.

Ever since 1854, ESSE has been at the forefront of solid fuel heating innovation. In the 19th and early 20th centuries, we established a worldwide reputation for producing the cleanest, most efficient and technologically advanced heating and cooking appliances available.

We have continued to evolve our stoves and maintain our commitment to energy efficiency and sustainability for the future.

Stoves such as the 500 surpass current and impending (2022) emissions regulations and looking even further ahead, ESSE is working with scientists from Manchester University to develop ever cleaner technologies.

In 2016, we led the market with the introduction of automatic ignition – an innovative way to light our stoves at the touch of a button without firelighters.

All ESSE stoves offer a clear, unimpeded view of the flames within and Afterburn™ technology keeps the glass clear while maximising energy efficiency.

And when it comes to reducing our carbon footprint, sustainably sourced seasoned firewood is one of the most environmentally friendly fuels available, emitting minimal smoke and leaving only a tiny amount of ash.

We continue to innovate and lead the market with the introduction of versatile new products which reflect a commitment to the environment and high-quality British product design and performance.

An ESSE stove creates a focal point at the heart of the home filling the entire space with radiant, welcoming warmth and, we'd like to think, your heart with joy!

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OVER 160 YEARS OF ENERGY-EFFICIENT STOVE DESIGN

1854

ESSE founder James Smith developed closed stoves for pioneers opening up the American Wild West and brought this design back to Britain and began producing ESSE stoves in the UK. The 'Bontesse' was the first British stove to use cleaner-burning anthracite.

1909

Shackleton and Scott relied on ESSE stoves during their expeditions across the frozen wastes of the Antarctic. The 'Pioneer' stove was a dedicated woodburner with secondary manifold to reburn smoke, offering exceptional performance and cleaner emissions.

1970

In response to the oil price shock, ESSE launched the large capacity Dragon with a wide body to take larger logs. The ornate design proved extremely popular.

2000

ESSE's stove collection continued to evolve and 'smoke exempt' wood-burning models became available for use in smoke control areas.

2004

The Ironheart was launched to celebrate ESSE's 150th anniversary. This iconic cookstove was chosen by Hugh Fearnley-Whittingstall for heating and cooking at RiverCottage.

2019

The latest generation of Ecodesign Ready wood-fired stoves surpass the strictest air quality emissions and efficiency standards without compromising on burn rate control and adjustability and are approved for use in smoke control zones.

2020

More Ecodesign Ready stoves are launched in advance of the 2022 deadline including ESSE 175 the cleanest wood-burning stove we've ever built. Check [esse.com](https://www.esse.com) for the latest information as more ESSE stove models meet the Ecodesign criteria.



1854's ESSE 'Fame'



2020 ESSE 175B

Since 1854 we have been creating stoves that burn cleanly and efficiently. ESSE stoves have been evolving for over 160 years, and we maintain the same ethos of fuel economy and energy efficiency to this day.



175 5kW

Clean in looks and clean in use are the principles behind ESSE 175 – the cleanest wood-burning stove we’ve ever built. Available as two models with classic feet or a stylish solid base. It offers the trademark ESSE wide fire view, clear glass, and a slim profile. Inside the 175 is the Particulate Reburn™ Technology designed to burn more fuel, reduce emissions and increase the heat generated. Meanwhile Precision Burn™ Technology delivers precise control of air circulation to give great flames and total control whether low, high or in between.



175F

175B

ENERGY RATED	A
EFFICIENCY	83.7%
175F	<div>ECODESIGN READY</div> <div>Smoke control area approved</div>
175B	
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	98kg
ADDITIONAL ROOM VENT	NO
CLEARANCES TO COMBUSTIBLES	600mm sides, 600mm rear (400mm sides, 75mm rear with additional heat shield)
TOP AND REAR FLUE OPTIONS	YES



100 5kW

AVAILABLE COLOURS

- Black
- Grey
- Bronze
- Gold

ESSE 100

The ESSE 100 is everything a stove should be. It offers the trademark ESSE wide fire view, clear glass, and a slim profile, making it ideal for where hearth depths are limited and for rooms where there is space for a larger stove but a bigger heat output would overwhelm the living space. Levelling feet mean this stove can sit perfectly on an uneven hearth. It is available with top or rear flue installation with an ESSE rear flue box kit. A twin position riddling grate makes the ESSE 100 ideal for burning both wood and mineral fuels. Simple air controls make it easy to operate efficiently.

ENERGY RATED	A
EFFICIENCY	82.1%
100	<div>Smoke control area</div> <div>approved</div>
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	84kg
ADDITIONAL ROOM VENT	NO
CLEARANCES TO COMBUSTIBLES	600mm sides, 600mm rear
AVAILABLE WITH LOG STORE	300mm (H)
TOP AND REAR FLUE OPTIONS	YES




200 7.5kW

AVAILABLE COLOURS



The 200 offers the same great looks as the 100 but, with its added depth, output is increased to an impressive 7.5kW. The 200 is a multi-fuel stove with twin position grate for burning either wood or mineral fuel. Simple to use, the 200 features a multi-part baffle, allowing adjustment to aid flue draft. This stove can be installed with an external air kit so that all primary and combustion air can be supplied via a pipe fixed directly through an outside wall as an alternative to a room air vent. An optional rear heat shield is available, allowing closer proximity to combustibles.

ENERGY RATED	A
EFFICIENCY	81.1%
200	
OUTPUT	7.5kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	99kg
ADDITIONAL ROOM VENT	(1925mm ² or Ø 50mm)
CLEARANCES TO COMBUSTIBLES	400mm sides, 400mm rear, (150mm rear with additional heat shield)
AVAILABLE WITH LOG STORE	300mm (H)
TOP AND REAR FLUE OPTIONS	YES



500 5kW

AVAILABLE COLOURS



500 is the quintessential ESSE, with our signature door styling and technologically advanced performance. Wide, clean glass offers an unrivalled fire view while an efficient fire box with tertiary air ensures great fuel economy. A high quality steel body gives the 500 endurance. The attractive cast iron detail on the top, door and feet complete the stove. The 500 is a simple-to-use 5kW multifuel stove, including twin position riddling grate with both wood and mineral fuel settings. For ease of installation, the 500 features a flue draft test point.

ENERGY RATED	A+
EFFICIENCY	82.9%
500	
ECODESIGN READY	<div>ECODESIGN READY</div> <div>Smoke control area approved</div>
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	60kg
TERTIARY AIR	YES
CLEARANCES TO COMBUSTIBLES	400mm sides, 400mm rear
AVAILABLE WITH LOG STORE	220mm (H)
TOP AND REAR FLUE OPTIONS	YES



700 9kW

AVAILABLE COLOURS



The largest model in our most traditional range, the ESSE 700 is a multi-fuel stove with a powerful 9kW heat output. Its majestic stature makes it ideal for large fireplaces. A twin position riddling grate makes the ESSE 700 ideal for burning both wood and mineral fuels. Primary and secondary air controls provide simple yet complete control over the 700's impressive output. This stove can be installed with an external air kit so that all primary and combustion air can be supplied via a pipe fixed directly through an outside wall as an alternative to a room air vent.

ENERGY RATED	A
EFFICIENCY	78.0%
700	Smoke control area approved
OUTPUT	9kW
FLUE PIPE DIAMETER	6" (150mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	102kg
ADDITIONAL ROOM VENT	(3025mm ² or Ø 62mm)
CLEARANCES TO COMBUSTIBLES	400mm sides, 400mm rear, (250mm with additional heat shield)
AVAILABLE WITH LOG STORE	300mm (H)
TOP AND REAR FLUE OPTIONS	YES



100 /200 DOUBLE DOOR 5kW /7.5kW

AVAILABLE COLOURS



The ESSE ‘DD’ is the traditional double door version of the popular ESSE 100 and 200. Our modern stoves are designed to be used with the doors closed, and with such clean glass and high performance, there is no reason to burn with doors open. The traditional look of a double door, however, will never go out of style. As with the 100 and 200, the Double Door models have adjustable feet allowing the stove to sit steady on an uneven hearth, the option of either top or rear flue, flue draft test point and simple air controls.

	100DD	200DD
ENERGY RATED	A	A
EFFICIENCY	82.1%	81.1%
100 DD	Smoke control area approved	
200 DD		
OUTPUT	5.0kW	7.5kW
FLUE PIPE DIAMETER	5" (125mm)	5" (125mm)
APPROVED FOR USE		
ON DECORATIVE HEARTH	YES	YES
WEIGHT	84kg	99kg
ADDITIONAL ROOM VENT	NO	YES
CLEARANCES TO COMBUSTIBLES	100 DD 600mm sides, 600mm rear 200 DD 400mm sides, 400mm rear (200 DD 150mm Rear with additional Heat Shield)	
AVAILABLE WITH LOG STORE	300mm (H)	300mm (H)
TOP AND REAR FLUE OPTIONS	YES	YES



100 KC 5kW

Designed in Iron Grey, the versatile ESSE 100 KC is a stunning multifuel stove with a 5kW heat output. This clean-burning model offers a wide, clear view of the flames. Its tapered legs and air of industrial chic have made it a popular choice for homes throughout the UK. The legs reflect the design of the popular Ironheart cook stove. Like all ESSEs, the 100 KC has been created with the benefit of more than 160 years' stove-building experience.

ENERGY RATED	A
EFFICIENCY	82.1%
100 KC	Smoke control area approved
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	84kg
ADDITIONAL ROOM VENT	NO
CLEARANCES TO COMBUSTIBLES	600mm sides, 600mm rear
TOP AND REAR FLUE OPTIONS	YES




150 5kW **250** 7.5kW

AVAILABLE COLOURS



ESSE 150 & 250

The ESSE 150 and 250 feature clean lines, long legs and an oversize clear glass window offering an enticing view of the natural flames dancing within. The 150 & 250 have an energy rating of ‘A’, and ESSE’s trade-marked clean burn technology enables these models to be fired in smoke exempt zones throughout the UK. The 150 and 250 are economical to run and incorporate both primary and secondary air wash controls for precision adjustment of the burn rate and the ability to create some beautiful flame patterns.

	150	250
ENERGY RATED	A	A
EFFICIENCY	82.1%	81.1%
150		
250		
OUTPUT	5.0kW	7.5kW
FLUE PIPE DIAMETER	5" (125mm)	5" (125mm)
APPROVED FOR USE		
ON DECORATIVE HEARTHES	YES	YES
WEIGHT	100kg	99kg
ADDITIONAL ROOM VENT	NO	YES Ø50MM
CLEARANCES TO COMBUSTIBLES	150 600mm sides, 600mm rear 250 400mm sides, 400mm rear (250 150mm Rear with additional Heat Shield)	
TOP AND REAR FLUE OPTIONS	YES	YES



550 5kW

AVAILABLE COLOURS



Tall dark and handsome ESSE's 550 is based on the proven and super-efficient ESSE 500 with clean lines, longer legs and an oversize clear glass window offering an enticing view of the natural flames dancing within. Ideal as the focal point of a modern open-plan living space, study or the centrepiece of a cosy lounge, the 550 has an energy rating of 'A+', and ESSE's trade-marked Clean Burn™ technology enables it to be fired in smoke exempt zones throughout the UK.

ENERGY RATED	A+
EFFICIENCY	82.9%
550	
ECODESIGN READY	<div>ECODESIGN READY</div> <div>Smoke control area approved</div>
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	51kg
ADDITIONAL ROOM VENT	NO
CLEARANCES TO COMBUSTIBLES	400mm sides, 450mm rear
TOP AND REAR FLUE OPTIONS	YES



125 5kW 225 7.5kW

The 125 and 225 have all the benefits of the 100 and 200 stoves, with a sophisticated look that makes it well suited to contemporary homes. This stylish stove offers impressive efficiency levels of up to 82% and has a heat output of 5kW / 7.5kW when burning wood. This model is steel-built with a cast door. The 125 and 225 have stainless steel pillars as standard, but can also be supplied as an 'all black' model if specified. ESSE 125 and 225 have a twin position grate, ideal for burning both wood and mineral fuels. Simple top and bottom air controls make it easy to operate efficiently.



Optional Black pillars

AVAILABLE COLOURS



	125	225
ENERGY RATED	A	A
EFFICIENCY	82.1%	81.1%
125		
225		
OUTPUT	5.0kW	7.5kW
FLUE PIPE DIAMETER	5" (125mm)	5" (125mm)
APPROVED FOR USE		
ON DECORATIVE HEARTHES	YES	YES
WEIGHT	84kg	99kg
ADDITIONAL ROOM VENT	NO	YES
CLEARANCES TO COMBUSTIBLES	125 600mm sides, 450mm rear	225 400mm sides, 450 mm rear
	(225 150mm Rear with additional Heat Shield)	
TOP AND REAR FLUE OPTIONS	YES	YES

Smoke control area
approved



525 5kW

A 5kW contemporary stove which is ideally suited to a standard fireplace or builders opening. The spectacular and uncluttered view of the flames is elegantly framed by its stainless steel legs and can be easily controlled by beautifully engineered, minimalist air controls. The firebox door glides open with an effortless action thanks to unique 'invisible' hinges. Its small footprint and moderate output make it easy to plan into a modern living space without overpowering a centrally heated room. The 525 can burn mineral fuel and wood.



Optional Stainless Steel pillars

AVAILABLE COLOURS



Black Grey Bronze Gold

ENERGY RATED	A+
EFFICIENCY	82.9%
525	
ECODESIGN READY	ECODESIGN READY
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES
WEIGHT	80kg
ADDITIONAL ROOM VENT	NO
CLEARANCES TO COMBUSTIBLES	400mm sides, 400mm rear
TOP AND REAR FLUE OPTIONS	YES

Smoke control area
approved



301 4kW 350 5kW

Inset stoves offer a very efficient way to heat your room; the firebox sits inside a second outer casing with a cavity between the two. Cool air from the room is drawn in at the base of the stove and heated before rising out of the top into the room. The 301 fits straight into a standard fireplace. The 350 also fits into a standard fireplace, however the brick fire back needs to be removed to accommodate the larger firebox. Unlike ‘non-convection stoves’ - which radiate heat in straight lines - ESSE inset convector stoves both radiate heat and produce a gentle stream of hot air, evenly warming room.

	301	350
ENERGY RATED	A+	A
EFFICIENCY	82.9%	79.7%
301	Smoke control area approved	
350		
OUTPUT	4.0kW	5.0kW
FLUE PIPE DIAMETER	6" (150mm)	6" (150mm)
WEIGHT	59kg	69kg
CLEARANCES TO COMBUSTIBLES	150mm sides, 400mm top, 250mm front	



ESSE 1 5kW



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.



With Log Store

ENERGY RATED	A+
EFFICIENCY	81.9%
ESSE 1	
ECODESIGN READY	<div>ECODESIGN READY</div> <div>Smoke control area approved</div>
OUTPUT	5.0kW
FLUE PIPE DIAMETER	5" (125mm)
WEIGHT	56 kg
CLEARANCES TO COMBUSTIBLES	500mm sides 700mm rear
TOP AND REAR FLUE OPTIONS	YES



IRONHEART EW/EWB

9.7kW(EW) 10.5kW(EWB)

The Ironheart was created to mark 150 years of ESSE. It combines the quintessential features of a superb wood-burning stove and traditional range cooker, celebrating all that ESSE does best. Use it to cook a full roast in the oven - with six pans on the hotplate - or simply to boil the whistling kettle. Toast marshmallows in the firebox or prove dough around the Ironheart's warm edges for baking fresh, crusty loaves. ESSE Ironheart has plenty of cooking and heating potential. It gives out up to 9.7kW to the room. Ironheart is also available with a domestic hot water boiler.

Also available in the Ironheart family are



BAKEHEART 5KW



WARMHEART 5KW

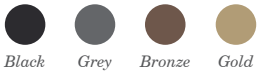


IRONHEART		BAKEHEART / WARMHEART
ENERGY RATED	A	A
EFFICIENCY	81.8%	77%
OUTPUT	9.7KW (EW) 10.5KW (EWB)	5kW
FLUE PIPE DIAMETER	6" (150mm)	6" (150mm)
APPROVED FOR USE ON DECORATIVE HEARTHES	YES	YES
WEIGHT	308KG / 317KG	195KG / 155KG
ADDITIONAL ROOM VENT	YES	OPTIONAL EXTERNAL AIR KIT
CLEARANCES TO COMBUSTIBLES		
EW	300mm sides, 500mm rear	BAKEHEART 400mm sides, 500mm rear
EWB	200mm sides, 400mm rear	WARMHEART 350mm sides, 400mm rear

LOG STORE

Our purpose-designed log store is now available on the ESSE 1, ESSE 100, 200, 500 and 700 models. The striking new ESSE log store enables you to neatly keep your fuel close at hand and can be purchased with the stove or retrofitted. It provides a practical and aesthetically pleasing way to keep your chopped wood. It brings rural charm to any home, displaying the natural beauty of cut logs and also serving the practical purpose of raising the stove into a more accessible and easily operable position.

AVAILABLE COLOURS



The table below details which stoves are compatible with which log store.

	220mm	300mm
ESSE 1		x
500	x	
100	x	x
200		x
700		x



COLOURS

ESSE Stoves are available in Iron Grey, Bronze, Gold and Black.



Iron Grey



Bronze



Gold



Black

AUTOMATIC ELECTRIC IGNITION

Hot technology. We have launched a new high-tech fire-lighting system. ESSE wood-burning stoves are the first in the world to use the automatic electric ignition system in the home. The combustion unit ignites the fire inside a wood-burning stove with the touch of a button. It means an end to kindling, matches and burnt fingers. The ingenious British-invented electronic ignition system is simple to use – load your dry logs in front of the air jet, close the door, press the remote control and the lighting cycle begins.



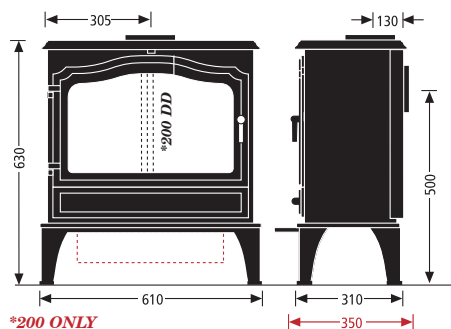
STEP BY STEP

1 - The user initiates the lighting sequence by pressing the start button. 2 - The rear vent opens. 3 - The fan starts. 4 - The heater element starts and hot air is blown onto the fuel. This lights and establishes the fire. 5 - After five minutes, the heater element switches off. 6 - The fan runs on for another 20 seconds before also switching off. 7 - The rear vent automatically closes. 8 - Just sit back and enjoy your ESSE, while occasionally reloading with dry logs.

AVAILABLE ON	100, 125, 150 & 100 KC STOVES
HEATER ELEMENT OUTPUT	2.1kW
LIGHTING CYCLE	5-8 MINUTES
ELECTRICAL SUPPLY	13AMP

DIMENSIONS

100/DD / 200/200DD

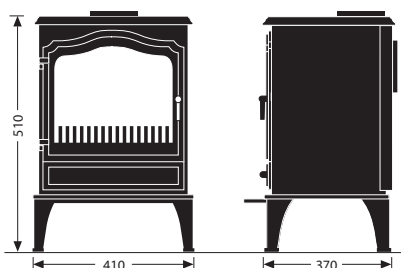


***200 ONLY**

WITH LOG STORE

100 Stove with 220mm Log Store - total height: 715mm
100 Stove with 300mm Log Store - total height: 795mm
200 Stove with 300mm Log Store - total height: 795mm

500

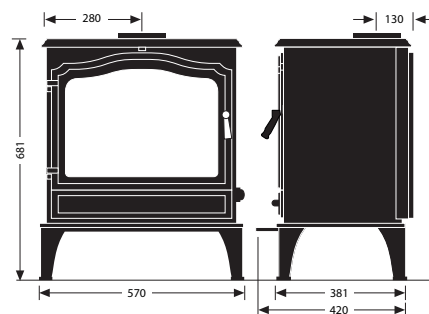


Distance from centre of flue to back of stove 145mm.
Distance from hearth to centre of flue 390mm.

WITH LOG STORE

500 Stove with 220mm
Log Store - total height: 675mm

700

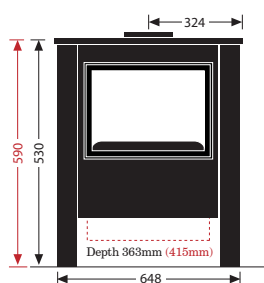


Distance from centre of the flue to back of stove 114mm
Distance from hearth to centre of flue 561mm

WITH LOG STORE

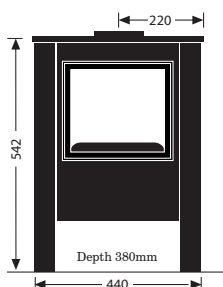
700 Stove with 300mm
Log Store - total height: 832mm

125/225



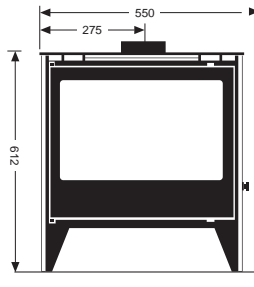
Distance from centre of flue to back of stove 145mm (135mm). Distance from hearth to centre of flue 405mm (453mm). ***225 ONLY**

525/525



Distance from centre of flue to back of stove 140mm.
Distance from hearth to centre of flue 415mm (585).

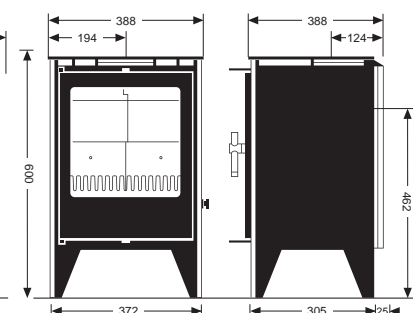
150/250



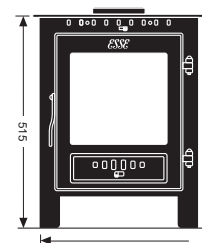
Distance from centre of the flue to back of stove 115mm
Distance from hearth to centre of flue 460mm

Depth: 250mm
Depth: 345mm (250 ONLY)

550/550



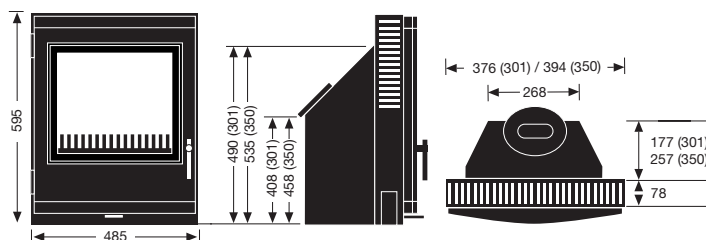
ESSE I



Distance from centre of flue to back of stove 141mm
Distance from hearth to centre of flue 400mm

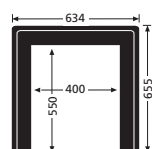
Depth: 370mm

301/350



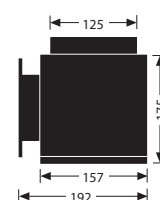
A round flue adaptor is available to allow connection to a flue pipe or flexible chimney liner. This can be connected to the liner and then fitted from inside the stove.

- A) Between 396 & 420mm.
- B) Between 540 & 560mm.
- C) Extending 50mm around opening.
- D) Hearth at least 400mm deep without obstructions that could prevent the door from opening.

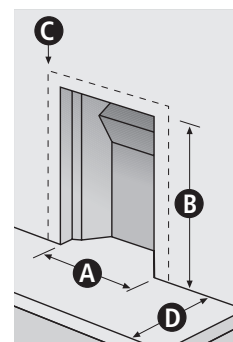


Optional inset steel fitting frame

REAR FLUE BOX

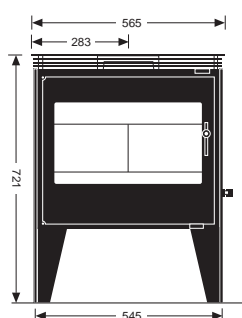


Rear flue box kits are available for most ESSE stoves. (Ironheart and 700 are top flue outlet only)



Fireplace dimensions for ALL models

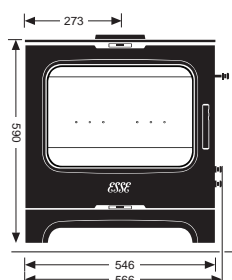
100KC



Depth: 298mm

Distance from centre of the flue to back of stove 89mm
Distance from hearth to centre of flue 563mm

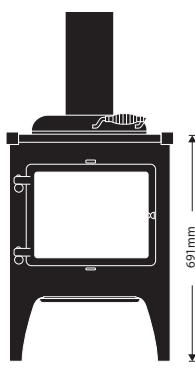
175F/B



Depth: 325mm

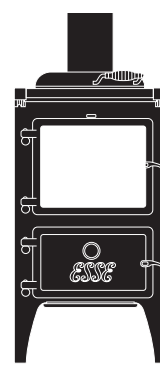
Distance from centre of the flue to back of stove 115mm
Distance from hearth to centre of flue 460mm

WARMHEART



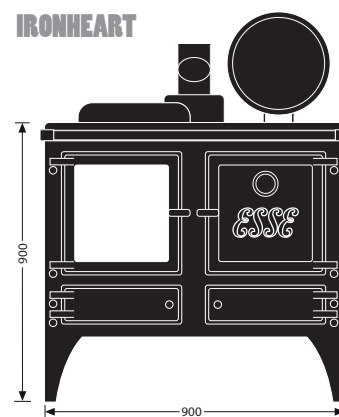
Depth: 600mm

BAKEHEART



Depth: 600mm

IRONHEART



Depth 600mm

Depth: 600mm

Over 160 years
OF ESSE
ENGINEERING
CRAFT &
INNOVATION



ESSE Product Guarantee
Excluding consumables.
Subject to terms and conditions.
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