

# A family run business

Dean Forge was established by my father Michael Chew in 1969 in the hamlet of Dean Prior which nestles on the edge of Dartmoor.

In 1978, he designed and manufactured the first Dean Forge wood burning stove, the very local nature of this business was reflected in the name of the first range – Herrick Stoves after the poet Robert Herrick who lived in Dean Prior.

In 1994, we amalgamated our businesses and my father and I continued to develop and expand the range of wood and multifuel stoves. As we now enter our third generation, full of fresh and new ideas, I am confident that my daughter (Alice) and son-in-law (Jack) will push the business forward with the help and guidance from me, my Father and Pat a long-standing friend and manager of Dean Forge, allowing me to take a step back and focus on stove development and the manufacturing processes.

Luckily, we to have a dedicated established workforce who have vast expertise and experience in manufacturing and installing stoves. All our stoves are manufactured at Dean Forge in Devon with the doors cast in a British foundry.

We hope you enjoy perusing our collection of stoves on the following pages.



Simon Chew













# Choosing the right stove

Your stove will become the heart of your home. As well as being a key source of warmth, it becomes the very embodiment of comfort, ambience, and practicality. Selecting the right stove is a decision that extends beyond aesthetics, touching the core of efficiency, sustainability, and the overall atmosphere within your living space. As you navigate the different options available, understanding your needs is essential. Don't worry though - we have over 50 years of experience and are here to help you make the right decision.



Ecodesign compliant but NOT listed as Defra exempt.



Ecodesign compliant (e.g. previously SIA Ecodesign Ready) AND Defra exempt.



15% improvement on Ecodesign; AND Defra exempt.



15% improvement to emissions & efficiency performance on Level 4; AND Defra exempt.



Choose from Wood or Multifuel options it's all about what fuel best suits your home and lifestyle.



production, measured in Kilowatts, indicating the nominal output. This figure is important when choosing the size of your stove.



on a scale indicating how well a stove converts fuel to usable heat energy. A+ being the most efficient, and G being the least.



The Stove's ability to convert fuel into heat, expressed as a percentage of total energy consumed. Anything over 80% is considered very good



All our stoves are manufactured here in Britain.

## Dartmoor Eco Range

### Traditional, classic, timeless.

A true embodiment of timeless tradition. Crafted with precision and care, these stoves seamlessly blend classic design with modern eco-friendly features. The Dartmoor Eco Range not only excels at efficiently heating your home but also adds a touch of elegance to your living space.

## Finish options

### COLOURS



















**HANDLES** 



AIR CONTROL



- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or multi-fuel with option to convert to either a woodburner or multi-fuel at anytime.
- Supplied with a black handle as standard
- Powerful preheated airwash system
- Independent Primary & Secondary air controls

- Top and rear flue outlets
- Tertiary air
- · Can be fitted onto a non-constructional hearth
- DEFRA exempt (apporoved for smoke controlled areas)
- Eco Design







- Only 130mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Max log length 280mm

### **MODELS**

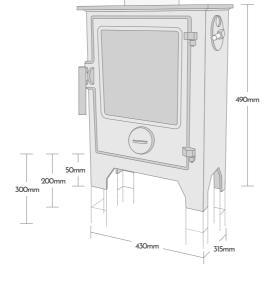


STANDARD















# Dartmoor W<sub>5</sub> Eco

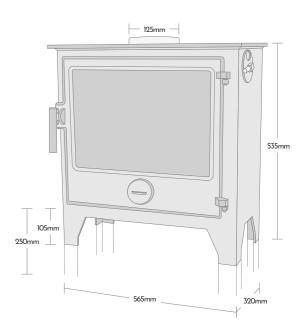
- Only 50mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Max log length 380mm

### **MODELS**

















## Dartmoor 8 Eco

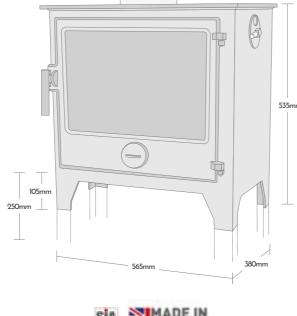
- Only 150mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Max log length 380mm

#### **MODELS**











# "I loved the Dean Forge Dartmoor so much I installed one in my own home – it turned a cold drafty room into the heart of our home."

SIMON HARDING - FIREPLACES AND HEATING (LUTON)

# Dartmoor Baker Eco Range

### The stove that can do it all

Designed for versatility, this stove allows you to prepare your favourite meals while enjoying the incredible warmth and ambiance it provides. Perfect for shepherds huts and open plan living spaces this multi-functional centrepiece brings both practicality and style to your home with modern eco-friendly features.

### Finish options

#### **COLOURS**



















**HANDLES** 



AIR CONTROL



- Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Powerful preheated airwash system
- · Independent primary & secondary air controls
- Top and rear flue outlets
- Tertiary air
- Can be fitted onto a non-constructional hearth
- DEFRA exempt (apporoved for smoke controlled areas)
- Eco Design
- Oven vents allow the cooking smells and condensation to be drawn out of the oven and up the chimney.

- Rear flue outlet creates a clear area, providing extra space to access the hotter part of the top plate. Note a special Dartmoor Baker rear flue adaptor with flue cleaning access can be purchased to achieve this.
- A removable cleaning plate is located inside the oven. This provides cleaning access to the top of the oven or for sweeping the chimney when fitted with a top exit flue.
- All the Dartmoor Bakers can be manufactured with an extended stove top. See individual product pages for more information.







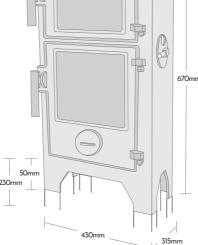
- Only 130mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Extended Top available Top width +120mm
- Max log length 280mm

### MODELS











# Dartmoor Baker W5 Eco

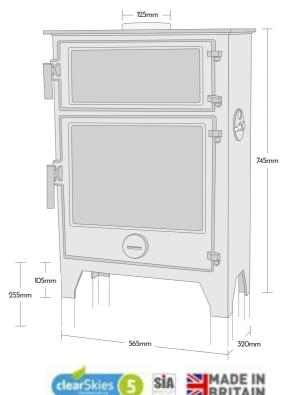
- Only 50mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Extended Top available Top width +150mm
- Max log length 380mm

### MODELS











## Dartmoor Baker 8 Eco

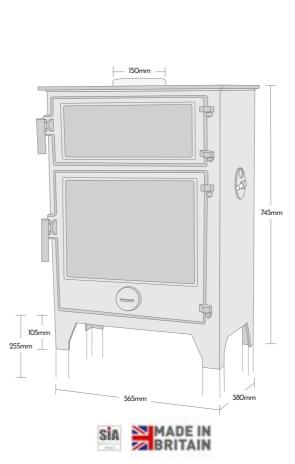
- Only 150mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Wood & multi-fuel options available on the whole range. Supplied as a woodburner or a multi-fuel with the option to convert to either a woodburner or multi-fuel at anytime if required.
- Extended Top available Top width +180mm
- Max log length 380mm

#### **MODELS**









"The Dean Forge Baker has been the best investment we've ever made. It's perfect for cooking up a hearty winter stew, and it's also great for keeping our dogs warm and cosy during the colder months. It's a fantastic appliance that has become an essential part of our home"

MRS GARNER, EXMOOR

## Woodbury Eco Range

### A traditional stove with a modern feel

The Woodbury Eco Range not only delivers efficient heating but also brings a touch of sophistication to your living space. With its traditional charm seamlessly blended with a modern feel and ecofriendly features, this stove becomes a focal point that enhances the overall ambience of your home.

## Finish options

### COLOURS





















**HANDLES** 





AIR CONTROL







- · Large glass doors
- Elegant robust legs
- Wood & multi-fuel options. The Woodbury range is not interchangeable once manufactured
- Exceptional preheated airwash system (see further information page)
- Top and rear flue outlets
- Independent primary & secondary air controls

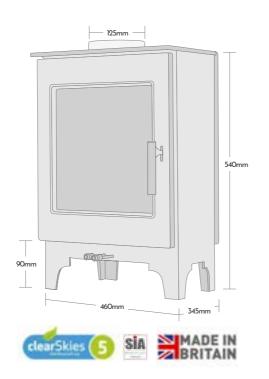
- Tertiary air
- Closed combustion option
- · Can be fitted onto a non-constructional hearth
- DEFRA exempt (apporoved for smoke controlled areas)
- Eco Design
- Stainless steel handle and air controls as standard







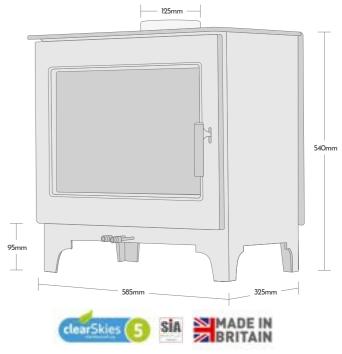
- Only 100mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Independent primary & secondary air controls
- Max log length 330mm





# Woodbury Slimline 5 Eco

- Only 150mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Independent primary & secondary air controls
- Max log length 400mm

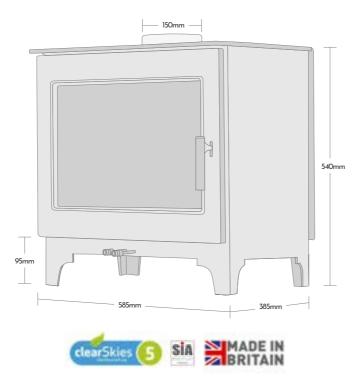


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## Woodbury 8 Eco

- Only 170mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Independent primary & secondary air controls
- Max log length 400mm



"We have the Woodbury Slimline 5. It's contemporary with a touch of tradition. This looks perfect in our new open plan space. We can see the flames through the large glass and it's so much more efficient and controllable compared to our old stove."

IM DREW. EXETER

# Sherford Eco Range

### Sleek & contemporary for the modern home

With a streamlined and contemporary aesthetic, the Sherford Range brings a touch of sophistication to your home while providing exceptional heating performance with eco-friendly features. Its clean lines and contemporary finish make it the perfect addition to modern interiors, elevating the overall ambience with a minimalist yet stylish appeal.

### Finish options

### COLOURS





















**HANDLES** 



AIR CONTROL





- Exceptional preheated airwash system (see further information page)
- Top and rear flue outlets
- Tertiary air
- Closed combustion option
- · Can be fitted onto a non-constructional hearth
- Independent primary & secondary air controls
- The Sherford range is a wood only stove

- Stainless steel handle and air controls as standard
- DEFRA exempt (apporoved for smoke controlled areas)
- Eco Design
- Plinth available for the Sherford 5, Slimline 5 & 8 - can be purchased with the stove or







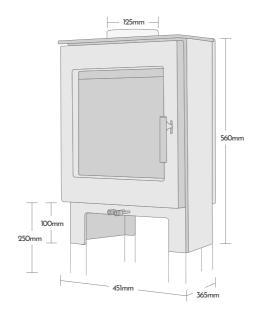
- Only 100mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Independent primary & secondary air controls
- Max log length 330mm

### MODELS





ndard I









# Sherford Slimline 5 Eco

(81.4%)

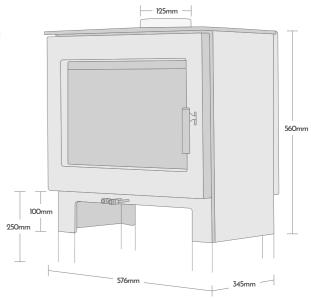
- Only 150mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Independent primary & secondary air controls
- Max log length 400mm

### MODELS

















## Sherford 8 Eco

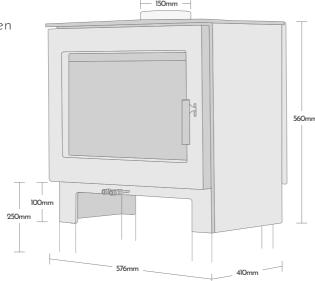
- Only 170mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Independent primary & secondary air controls
- Max log length 400mm

#### **MODELS**















"Our Sherford Woodburner has been a wonderful addition to our home. With its simple controls and immediate response, it's an absolute joy to use. Plus, the large glass makes it a very attractive centrepiece in our living room. I'd say the Sherford is definitely the heart of our home."

A. HAYWARD, DEVON

## Croft Eco Range

### The classic: designed & first manufactured in 1978

A classic masterpiece that stands the test of time. First designed and manufactured in 1978, the Croft range will bring a sense of nostalgia and reliability to your home, but with all the modern eco-friendly features. Crafted with precision and care, this stove not only delivers exceptional heating performance but also serves as a testament to decades of expertise in the art of stove manufacturing.

### Finish options

#### **COLOURS**



### **HANDLES**









AIR CONTROL

BLACK





**TOPS** 



Key features

- Exceptional preheated airwash system (see further information page)
- Top and rear flue outlets
- Tertiary air
- Closed combustion option
- · Double glazed glass door
- · Can be fitted onto a non-constructional hearth
- Independent primary & secondary air controls

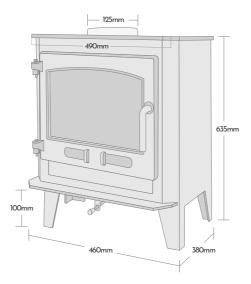
- The Croft range is a wood only stove
- Black handle and air control as standard
- DEFRA exempt (apporoved for smoke controlled areas)
- Eco Design
- Available with either a profile flat top or a rolled edge top







- Only 100mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Double glazed glass door
- Available with either a profile flat top or a rolled edge top
- Independent primary & secondary air controls
- Max log length 330mm





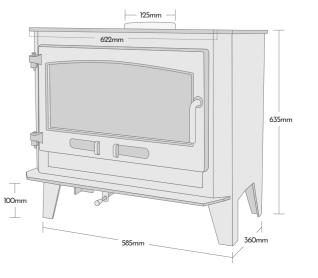






- Only 150mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- Double glazed glass door
- Available with either a profile flat top or a rolled edge top
- Independent primary & secondary air controls
- Max log length 400mm







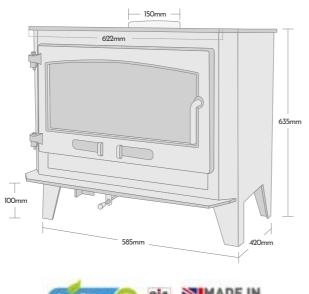






## Croft 8 Eco

- Only 170mm distance to combustibles to the rear when fitted with a double heat shield and twin wall flue
- Exceptional preheated airwash system (see further information page)
- · Double glazed glass door
- Available with either a profile flat top or a rolled edge top
- Independent primary & secondary air controls
- Max log length 400mm









"As stockists of Dean Forge the quality and uniqueness of the stoves are one of a kind. We only stock stoves that we truly love ourselves and will install in our own homes, we base this on durability, efficiency and up to date clean air guidelines."

WEST DEAN WOOD STOVES

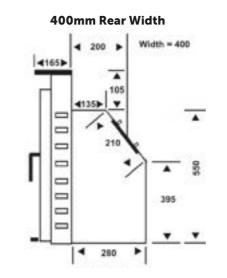


## 105 Eco Inset

### A window of flame

- Multi-fuel stove
- Double skin convector box to all sides of the fire box
- DEFRA exempt (apporoved for smoke controlled areas)
- Removable wood burning plate as standard
- Supplied with surround frame for wider fireplaces
- Tertiary air
- Max log length 250mm
- · Large curved glass window

- Ducting is built into all sides
  of the fire box, encouraging
  cold air to be drawn into the
  underside of the stove, before
  being heated up throughout the
  ducting and naturally convected
  into the room through the top
  and side venting.
- The 105 inset stove is designed to be installed into a fireplace opening with the chair brick removed.
- Eco design





## DF Cool Wall

### Reduce your restrictions

Wood burning stoves have become increasingly efficient, designed to harvest the maximum energy from the fuel and distribute as much heat as possible into the room. With today's building materials and building methods, house walls are designed to be quickly built with high insulation properties.

When it comes to installing wood or multi-fuel stoves these materials are often flammable making it unsafe and illegal to install a stove in front or to the side. All CE tested and approved stoves will have gone through an over-fire test, often bringing the stove to a point where it will glow red hot. This test will determine how far from combustible materials the stove can be installed. Some stove companies will restrict the

primary and secondary combustion air to reduce the heat produced on this test, but this can impede the performance of the stove.

Dean Forge stoves have decided not to restrict the combustion air and have developed the DF Cool Wall. Under test the DF Cool Wall recorded temperatures of more than 600°C behind the stove with a rise in room temperature behind the DF Cool Wall of only 4°C.

The DF Cool Wall comes in three different sizes and high temperature black.

Please note: A Dean Forge Stove can be installed 50mm away from DF Cool Wall with a combustible wall behind.

## Further information

Colour of stoves All heat resistant paint will change colour shades when the stove is put under fire and the paint is fully cured. Some of the lighter colours will noticeably vary in shade where the stove naturally has cooler areas. Due to the limitations of the print process actual colours may vary from photographed.

Airwash systems All Dean Forge stoves incorporate a preheated airwash system. This system takes the cold air either from the bottom or the side of the stove and heats it to a high temprature via a labyrinth of passages before being drawn over the glass door. This drives unburnt gases back into the fire chamber whilst mixing with the air at the same time. These gases combined with the hot air cause combustion over the glass, burning more fuel particles and unwanted deposits on the glass, increasing the efficiency and vision of the fire.

The Woodbury, Sherford and Croft range of stoves have an Airwash system which is unlike many other stoves on the market. Secondary air is taken through the base of the stove where it starts to absorb heat. It then travels through special air ducts at the back of the stove where it takes on more heat. At this point some of the air is directed through the airways in the back of the stove above the flames to ignite unburnt gases and reduce particles. The remaining air is heated further and drawn over the glass to burn off unwanted deposits. It continues to the fire bed supplying air to the burning fuel.

Flue options There are three flue arrangements available – top, rear and back box. Top and rear flue options are fitted as standard on all Dean Forge stoves. This is achieved by moving the interchangeable flue spigot and cover plate to either the top or the back. The back box is an optional extra, this is fixed to the back outlet on the stove, using the same fixing point as the standard spigot, and enabling the stove to be brought forward in the fireplace and the top kept clear, whilst using a vertical flue. This option also eliminates the use of a tee and cap, with the added facility in most cases to still clean the flue through the stove.

#### Hearth requirements and stove installation

All Dean Forge stoves built after February 2022 are able to be installed on a minimum of 12mm non-combustible hearth to meet current building regulations. Please refer to installation instructions and current building regulations before installing your stove. Dean Forge stoves recommend all stove installations are carried out by an experienced HETAS qualified engineer.

**Fuel** All stoves will burn wood, peat and brickettes. Stoves fitted with multi-fuel grates will burn all types of smokeless fuel recommended for enclosed appliances. As with all wood burning stoves the wood you burn must have a moisture content of less than 20%. It is imperative the wood you use should be kiln dried or have at least one year's air drying in a covered position before use on any stove.

Closed combustion The Croft, Sherford and Woodbury ranges can be fitted with a direct air manifold enabling combustion air to be connected directly to an outside air source. By using the Closed Combustion system you prevent the stove from stealing heat from the room thus maximising the heat efficiency of the stove.

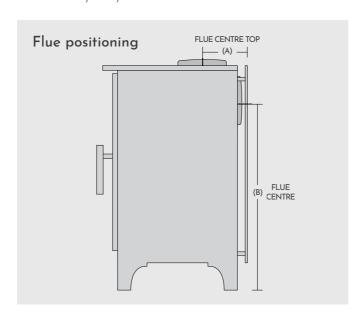
**Your guarantee** Dean Forge Fabrications Ltd offers a five year guarantee which covers the main body of the stove for manufacturing defects.

Calculaing your heat requirement A good guide to calculate the heat requirement of a given room is:

$$H \times W \times D$$
 (ft) ÷ 500 ( $H \times W \times D$  (m) ÷ 14)

This gives you the kilowatt requirement. This is based on average house insulation with room temperatures of 20°C and an ambient temperature of -1°C. Wellinsulated houses could replace the division of 500 with 650.

The smallprint Dean Forge has a policy of continuous development and reserves the right to change the specification on the stoves without further notice. The illustrations in this brochure do not necessarily comply with local building regulations. Coloured flue not supplied, for photo purposes only. Due to the limitations of the print process actual colours may vary.



|                | OUTE                       | OUTPUT AND EFFICIENCY         | CIENCY     |                                   |   |              | DIME                    | DIMENSIONS  |  |       |                           |   | DIS              | DISTANCE TO COMBUSTIBLES   | MBUSTIBLE        | S     |
|----------------|----------------------------|-------------------------------|------------|-----------------------------------|---|--------------|-------------------------|---|--|-------|---------------------------|---|------------------|--|------------------|-------|
|                | NOMINAL<br>STOVE<br>OUTPUT | ENERGY<br>EFFICIENCY<br>CLASS | EFFICIENCY | WIDTH                             | HEIGHT                                      | DEPTH<br>O/A | DEPTH<br>WITH<br>HANDLE | DEPTH<br>WITH<br>DOUBLE<br>REAR<br>HEAT<br>SHIELD | LEG  | FLUE  | FLUE<br>CENTRE<br>TOP (A) | FLUE<br>CENTRE (B)                          | REAR OF<br>STOVE | WITH<br>DOUBLE<br>REAR HEAT<br>SHIELD<br>(AND TWIN<br>WALL FLUE) | SIDE OF<br>STOVE | ABOVE |
| DARTMOOR       |                            |                               |            |                                   |   |              |                         |   |  |       |                           |   |                  |  |                  |       |
| s ECO          | 5KW                        | <b>*</b>                      | 82.1%      | 430MM                             | 540мм (STD)<br>690мм (MIDI)<br>790мм (HIGH) | 315мм        | 375MM                   | ı   | 50MM (STD)<br>200MM (MIDI)<br>300MM (HIGH) | 125мм | 133MM                     | 438мм (STD)<br>588мм (MIDI)<br>688мм (HIGH) | 150мм            | 130мм  | 350MM            | ı     |
| W5 ECO         | 5KW                        | ¥+                            | 83.1%      | 565мм                             | 640мм (STD)<br>785мм (HIGH)                 | 320мм        | 375MM                   | 330MM   | 105мм (STD)<br>250мм (нідн)                | 125мм | 133MM                     | 475мм (STD)<br>620мм (HIGH)                 | 200MM            | 50MM   | 350MM            | I     |
| 8 ECO          | 8KW                        | ∢                             | 80.5%      | 565MM                             | 640MM (STD)<br>790MM (HIGH)                 | 380мм        | 425мм                   | 390MM   | 105мм (STD)<br>250мм (нідн)                | 150мм | 150мм                     | 475мм (STD)<br>620мм (HIGH)                 | 300мм            | 150мм  | 350MM            | I     |
| BAKER 5 ECO    | 5kw                        | A+                            | 82.1%      | 430мм                             | 720мм (sтb)<br>900мм (нідн)                 | 315MM        | 375мм                   | I   | 50мм (std)<br>230мм (нідн)                 | 125мм | 133мм                     | 618мм (sтb)<br>797мм (нідн)                 | 150мм            | 130мм  | 350MM            | I     |
| BAKER W5 ECO   | 5KW                        | <b>A</b> +                    | 83.1%      | 565MM                             | 850мм (sтb)<br>1000мм (нідн)                | 320мм        | 375MM                   | 330MM   | 105мм (STD)<br>255мм (нісн)                | 125мм | 133мм                     | 685мм (STD)<br>835мм (HIGH)                 | 200мм            | 50MM   | 350ММ            | I     |
| BAKER 8 ECO    | 8KW                        | ∢                             | 80.5%      | 565MM                             | 850MM (STD)<br>1000MM (HIGH)                | 380мм        | 425мм                   | 390MM   | 105мм (STD)<br>255мм (ніGH)                | 150мм | 150мм                     | 685мм (STD)<br>835мм (HIGH)                 | 300мм            | 150мм  | 350ММ            | I     |
| WOODBURY       |                            |                               |            |                                   |   |              |                         |   |  |       |                           |   |                  |  |                  |       |
| 5 ECO          | 5KW                        | A+                            | 82.4%      | 460мм                             | 635мм                                       | 345мм        | 395MM                   | I   | 95MM                                       | 125мм | 135мм                     | 490мм                                       | 400мм            | 100MM  | 400мм            | I     |
| SLIMLINE 5 ECO | 5kw                        | A+                            | 81.4%      | 585мм                             | 635мм                                       | 325мм        | 375мм                   | ı   | 95MM                                       | 125мм | 135мм                     | 490мм                                       | 500мм            | 150мм  | 500мм            | I     |
| 8 ECO          | 8KW                        | 4                             | 75.1%      | 585мм                             | 635MM                                       | 385MM        | 445MM                   | ı   | 95мм                                       | 150мм | 145мм                     | 495мм                                       | 400мм            | 170мм  | 400мм            | I     |
| SHERFORD       |                            |                               |            |                                   |   |              |                         |   |  |       |                           |   |                  |  |                  |       |
| 5 ECO          | 5kw                        | A+                            | 82.4%      | 451MM                             | 640MM (STD)<br>810MM (HIGH)                 | 365мм        | 415MM                   | I   | 100мм (std)<br>170мм (нідн)                | 125мм | 135мм                     | 495мм                                       | 200мм            | 100MM  | 400мм            | I     |
| SLIMLINE 5 ECO | 5kw                        | <b>A</b> +                    | 81.4%      | 576мм                             | 640мм (STD)<br>810мм (нідн)                 | 345мм        | 395мм                   | I   | 100мм (STD)<br>170мм (нідн)                | 125мм | 135мм                     | 495мм                                       | 250мм            | 150мм  | 500ММ            | I     |
| 8 ECO          | 8KW                        | ∢                             | 75.1%      | 576мм                             | 640MM (STD)<br>810MM (HIGH)                 | 410мм        | 460мм                   | I   | 100мм (STD)<br>170мм (нідн)                | 150мм | 145мм                     | 500мм                                       | 300MM            | 170мм  | 400мм            | I     |
| CROFT          |                            |                               |            |                                   |   |              |                         |   |  |       |                           |   |                  |  |                  |       |
| JUNIOR ECO     | 5KW                        | <b>A</b> +                    | 82.4%      | 460MM (FLAT)<br>490MM (ROLLED)    | 635MM                                       | 380мм        | 395мм                   | I   | 100MM                                      | 125мм | 135мм                     | 490мм                                       | 200MM            | 100MM  | 400мм            | I     |
| SLIMLINE 5 ECO | 5KW                        | ÷<br>V                        | 81.4%      | 585mm (flat)<br>622mm (rolled)    | 635MM                                       | 360мм        | 382MM                   | ı   | 100MM                                      | 125мм | 135мм                     | 490мм                                       | 250MM            | 150мм  | 500MM            | I     |
| 8 ECO          | 8кw                        | <b>A</b> +                    | 75.1%      | 585мм (FLAT)<br>622мм (ROLLED)    | 635MM                                       | 420мм        | 442mm                   | 1   | 100MM                                      | 150мм | 145мм                     | 500мм                                       | 300MM            | 170мм  | 300MM            | I     |
| INSET          |                            |                               |            |                                   |   |              |                         |   |  |       |                           |   |                  |  |                  |       |
| 105 ECO INSET  | 5KW                        | ∢                             | 78%        | 450mm (STD)<br>495mm (W/SURROUND) | 655мм                                       | 450мм        | I                       | I   | I  | 125мм | I                         | I   | I                | I  | 200мм            | 400мм |
|                |                            |                               |            |                                   |   |              |                         |   |  |       |                           |   |                  |  |                  |       |

