



# ULTRA LOW EMISSIONS EXCEEDING THE ECODESIGN READY 2022 STANDARD

# WELCOME TO THE WOODWARM PHOENIX ECO RANGE

Using only the finest quality steel and the most innovative craftsmen and designers we've created an industry leading range of environmentally friendly stoves which are exceptionally easy to light and control.

By combining an advanced air wash and tertiary air system within the combustion chamber, we have exceeded the Ecodesign Ready standard for ultra low emissions. This gives the Phoenix Eco Range its class leading environmental credentials. All the Phoenix Eco Stoves are suitable for use in smokeless areas.

Our Ecodesign Ready convector stoves come into their own where distances to combustibles are a concern. With an integral heatshield incorporated in their design, they have a greater capacity for use where conventional stoves can not be installed.

We hope you enjoy our Phoenix Eco stoves with the added comfort that each comes with a 10 year guarantee.\*

\*For full guarantee terms & conditions please see: woodwarmstoves.co.uk/10-year-guarantee











### WOODWARM STOVES AND TREES FOR CITIES ARE WORKING IN PARTNERSHIP TOWARDS CREATING A GREENER UK.

Trees for Cities is a UK charity that helps bring together local communities to work on practical greening and educational projects in urban spaces. To date a million trees have been planted with the help of over 4,000 volunteers across UK towns and cities.

Wood fuel is carbon neutral. Trees absorb as much carbon in their growth as they release when they are burnt which is why wood is the fuel of the future.

To enhance the green credentials of our ultra low emission Ecodesign Ready woodburning stoves we have committed to planting a tree for every stove sold.

Trees for Cities and Woodwarm Stoves are passionate about ensuring cleaner air throughout the UK both for today and for future generations, well ahead of the 2022 Clean Air Act regulations.

To find out more about Trees for Cities, or to make your own independent donation please see their website: www.treesforcities.org

Woodwarm recommend the use of wood from a sustainable source that is dried to at least 20% moisture. To find a sustainably sourced supplier please see the Woodsure website: woodsure.co.uk



### CONTENTS

PHOENIX ECO FIREWREN 4kW



PHOENIX ECO FIREGEM 5kW



**PAGE 6-9** 

PAGE 10-13

PHOENIX ECO FIREBRIGHT 5kVV



PHOENIX ECO FIREBLAZE 6kV



**PAGE 14-15** 

**PAGE 16-19** 

PHOENIX ECO FIREBUG 8kW



STOVE DIMENSIONS & ACCESSORIES



**PAGE 20-23** 

**PAGE 24-30** 

# FIREVVREN 4kV

At only 422mm wide this 4kW stove is suitable for smaller rooms, garden rooms, lodges, boats and even conservatories. It may be the baby of the range with the 4kW output, but it still packs a punch. Ultra low emissions exceeding the Ecodesign Ready 2022 Standard make it a true environmental leader. Pictured opposite with an Integral Log Store Style Base.

- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 310mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 79.6%. Ancit efficiency 79.7%.

Stove dimensions. See page 24.











### WOOD

CO Emissions 0.07% (Eco pass level to be less than 0.12%) Particulate Matter 16 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

CO Emissions 0.04% (Eco pass level to be less than 0.12%) Particulate Matter 6 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown Honey-glo



Metallic





Charcoal

Metallic



### PHOENIX ECO FIREWREN ONVECTOR 4kW

This slim 4kW convector stove allows installation in areas closer to combustibles where conventional stoves can not be used. A cleverly designed integral heatshield casing cools the surface temperature of the sides and rear whilst the top convection vents allow heat to permeate the room. It is important to follow the distance to combustible guidelines on page 24. Pictured opposite with a Standard Leg Base.

- Heatshield casing allows reduced distance to combustibles typically 150mm to the rear. This can be achieved by using a twin wall flue system.
- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 310mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue when using a rear insulated T adapter.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 79.6%. Ancit efficiency 79.7%.

Stove dimensions. See page 24.









Standard height

Integral Log Store Style base.



### WOOD

CO Emissions 0.07% (Eco pass level to be less than 0.12%) Particulate Matter 16 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

CO Emissions 0.04% (Eco pass level to be less than 0.12%) Particulate Matter 6 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Honey-glo

Metallic





Charcoal

Metallic



# FIREGEM 5kW

This slender contemporary stove, with a depth of only 317mm, is ideal for shallow fireplaces or where you don't want too much protrusion into the room. A wide glass door gives a great view of the hypnotic flames, providing a beautiful focal point to any home. Pictured opposite with a Standard Leg Base.

- Slender depth stove.
- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 400mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 77.6%. Ancit efficiency 81.1%.

Stove dimensions. See page 25.









Standard height

Integral Log Store Style base.



### WOOD

CO Emissions 0.10% (Eco pass level to be less than 0.12%) Particulate Matter 19 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

CO Emissions 0.08% (Eco pass level to be less than 0.12%) Particulate Matter 7 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown

Honey-glo Metallic



Charcoal

Metallic



# PHOENIX ECO FIREGEM CONVECTOR 5kW

The slimline 5kW convector stove, allows installation in areas closer to combustibles where conventional stoves can not be used. A cleverly designed integral heatshield casing cools the surface temperature of the sides and rear whilst the top convection vents allow the heat to permeate the room. It is important to follow the distance to combustible guidelines on page 25. Pictured opposite with an Integral Log Store Style Base.

- Slender depth stove.
- Heatshield casing allows reduced distance to combustibles typically 200mm to the rear. This can be achieved by using a twin wall flue system.
- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 400mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue when using a rear insulated T adapter.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 77.6%. Ancit efficiency 81.1%.

Stove dimensions. See page 25.











### WOOD

CO Emissions 0.10% (Eco pass level to be less than 0.12%) Particulate Matter 19 Nmg/m³ (Eco pass level to be less than 40)

### ANCII

CO Emissions 0.08% (Eco pass level to be less than 0.12%) Particulate Matter 7 Nmg/m³ (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown Metallic

Honey-glo Brown

Metallic Blue





Charcoal

Metallic



### PHOENIX ECO FIREBRIGHT INSET 5kW

The Phoenix Eco Inset uses its advanced air wash and tertiary air systems within the combustion chamber to produce a cleaner burning stove, reducing emissions and exceeding the Ecodesign Ready 2022 Standard, giving it class leading environmental credentials. This highly efficient stove naturally convects heat into the heart of the room and is designed to replace an open fire, where the majority of the heat and pollutants go up the chimney.

- Designed to replace open fires where heat and pollutants are lost up the chimney.
- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Naturally Convects heat into the heart of the room.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 270mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top flue only. 90° or 45°.
- Suitable for a hearth 125 mm (5") and made of solid construction (e.g. concrete, stone, brick).
- Wood efficiency 79.9%. Ancit efficiency 80.4%.

Stove dimensions. See page 28









Eco Firebright 5kW Inset



### WOOD

CO Emissions 0.07% (Eco pass level to be less than 0.12%) Particulate Matter 36 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

CO Emissions 0.06% (Eco pass level to be less than 0.12%) Particulate Matter 10 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Honey-glo

Metallic





Charcoal

Metallic



### PHOENIX ECO FIREBLAZE 6kW

As with all our stoves, this contemporary 6kW stove is made with the highest quality steel and is handcrafted in Devon. Our passion for design and detail have helped us create a stove that combines ultra low emissions with exceptional controllability. Pictured opposite with an Integral Log Store Style Base.

- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 440mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 79.7%. Ancit efficiency 78.3%.

Stove dimensions. See page 26.











Standard height

Integral Log Store Style base.



### WOOD

CO Emissions 0.04% (Eco pass level to be less than 0.12%) Particulate Matter 18 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

CO Emissions 0.05% (Eco pass level to be less than 0.12%) Particulate Matter 11 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown Honey-glo

Metallic



Charcoal

Metallic



# PHOENIX ECO FIREBLAZE CONVECTOR 6kW

This highly efficient ultra low emission 6kW convector stove allows installation in areas closer to combustibles where conventional stoves can not be used. A cleverly designed integral heatshield casing cools the surface temperature of the sides and rear whilst the top convection vents allow the heat to permeate the room. It is important to follow the distance to combustible guidelines on page 26. Pictured opposite with an Integral Log Store Style Base.

- Heatshield casing allows reduced distance to combustibles typically 200mm to the rear. This can be achieved by using a twin wall flue system.
- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 440mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue when using a Rear insulated T adapter.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 79.7%. Ancit efficiency 78.3%.

Stove dimensions. See page 26.











### WOOD

CO Emissions 0.04% (Eco pass level to be less than 0.12%) Particulate Matter 18 Nmg/m³ (Eco pass level to be less than 40)

### ANCII

CO Emissions 0.05% (Eco pass level to be less than 0.12%) Particulate Matter 11 Nmg/m³ (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown Metallic

Honey-glo







Charcoal

Metallic Black



### PHOENIX ECO FIREBUG 8kW

Ideal for larger living spaces, the stunning 8kW Firebug packs the biggest punch in our range. Clean burn efficiency and ultra low emissions combined with exceptional controllability have created a true class leader. Pictured opposite with a Standard Leg Base.

- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 440mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 78.4%. Ancit efficiency 79.9%.

Stove dimensions. See page 27.











### WOOD

CO Emissions 0.04% (Eco pass level to be less than 0.12%) Particulate Matter 32 Nmg/m³ (Eco pass level to be less than 40)

### ANCII

CO Emissions 0.05% (Eco pass level to be less than 0.12%) Particulate Matter 13 Nmg/m³ (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown Hone Metallic Brow

Honey-glo Brown

Metallic





Charcoal

Metallic



### PHOENIX ECO FIREBUG ONVECTOR 8kW

This largest stove in our range. The 8kW Firebug convector stove is designed for larger living spaces in areas closer to combustibles where conventional stoves can not be used. A cleverly designed integral heatshield casing cools the surface temperature of the sides and rear whilst the top convection vents allow the heat to permeate into the room. It is important to follow the distance to combustible guidelines on page 27. Pictured opposite with an Integral Log Store Style Base.

- Heatshield casing allows reduced distance to combustibles typically 300mm to the rear. This can be achieved by using a twin wall flue system.
- Ultra low emissions. Exceeding the Ecodesign Ready 2022 standard.
- Exceptionally easy to light and control.
- Advanced clean burn air wash system that keeps the glass clear at all times.
- Cool touch stainless steel handle and controls.
- Handcrafted in Devon using only the finest quality steel.
- Full riddling grate and ashpan.
- Max log length 440mm.
- Multifuel stove. Can also be used for woodburning only due to its true flat grate.
- Compatible with top or rear flue when using a Rear insulated T adapter.
- Suitable for a 12mm superimposed hearth.
- Wood efficiency 78.4%. Ancit efficiency 79.9%.

Stove dimensions. See page 27.











### WOOD

CO Emissions 0.04% (Eco pass level to be less than 0.12%) Particulate Matter 32 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

CO Emissions 0.05% (Eco pass level to be less than 0.12%) Particulate Matter 13 Nmg/m<sup>3</sup> (Eco pass level to be less than 40)

Full list of emissions on page 29.

### Available in a range of Stove Bright® colours.







Rich Brown

Honey-glo

Metallic



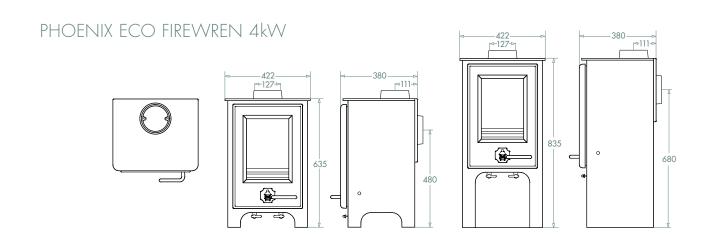


Charcoal

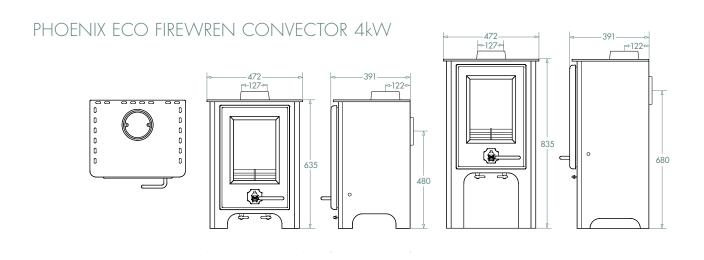
Metallic



### FIREWREN DIMENSIONS

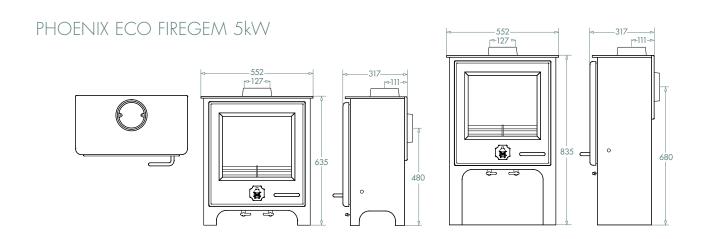


### **DISTANCE FROM COMBUSTIBLES** WEIGHT SINGLE WALL FLUE: STANDARD HEIGHT. Top 400mm. ■ 97kg Rear 750mm. TALL LOG STORE STYLE. Side 650mm. ■ 108ka TWIN WALL FLUE: Top 400mm. Rear 600mm. Side 500mm. ■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.

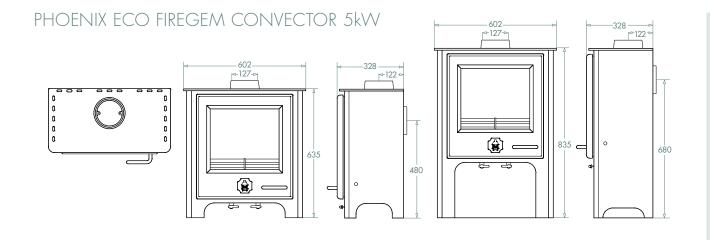


**DISTANCE FROM** COMBUSTIBLES WEIGHT STANDARD HEIGHT. SINGLE WALL FLUE: ■ 102kg Top 1000mm. Rear 400mm. TALL LOG STORE STYLE. Side 400mm. ■ 113kg TWIN WALL FLUE: Top 1000mm. Rear 150mm. Side 400mm. ■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.

### FIREGEM DIMENSIONS

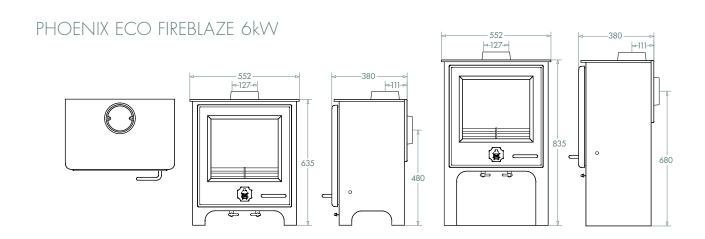


### **DISTANCE FROM COMBUSTIBLES** WEIGHT SINGLE WALL FLUE: STANDARD HEIGHT. Top 400mm. ■ 107kg Rear 750mm. TALL LOG STORE STYLE. Side 550mm. ■ 116ka TWIN WALL FLUE: Top 400mm. Rear 700mm. Side 500mm. ■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.



### **DISTANCE FROM** COMBUSTIBLES WEIGHT SINGLE WALL FLUE: STANDARD HEIGHT. Top 1000mm. ■ 112kg Rear 350mm. TALL LOG STORE STYLE. Side 450mm. ■ 121kg TWIN WALL FLUE: Top 1000mm. Rear 200mm. Side 400mm. ■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.

### FIREBLAZE DIMENSIONS



### **DISTANCE FROM COMBUSTIBLES**

### SINGLE WALL FLUE:

Top 400mm. Rear 600mm.

Side 550mm.

### TWIN WALL FLUE:

Top 400mm. Rear 550mm.

Side 550mm.

### STANDARD HEIGHT.

■ 118kg

WEIGHT

TALL LOG STORE STYLE.

■ 132ka

WEIGHT

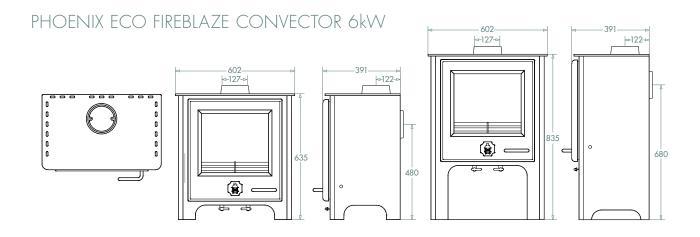
■ 123kg

■ 137kg

STANDARD HEIGHT.

TALL LOG STORE STYLE.

■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.



### **DISTANCE FROM** COMBUSTIBLES

### SINGLE WALL FLUE:

Top 1000mm. Rear 400mm.

Side 450mm.

### TWIN WALL FLUE:

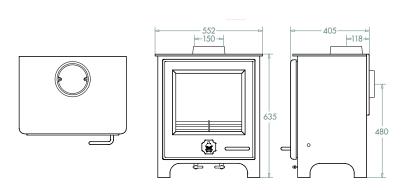
Top 1000mm. Rear 200mm.

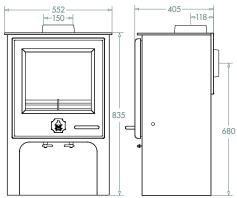
Side 400mm.

■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.

### FIREBUG DIMENSIONS

### PHOENIX ECO FIREBUG 8kW





### DISTANCE FROM COMBUSTIBLES

### SINGLE WALL FLUE:

Top 400mm. Rear 800mm.

Rear 800mm. Side 650mm.

### TWIN WALL FLUE:

Top 400mm.
Rear 750mm.
Side 600mm.

### WEIGHT

### STANDARD HEIGHT.

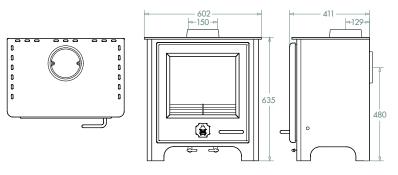
■ 137kg

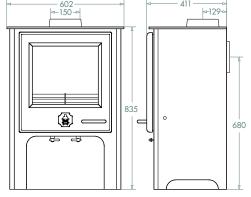
TALL LOG STORE STYLE.

■ 149ka

The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.

### PHOENIX ECO FIREBUG CONVECTOR 8kW





### DISTANCE FROM COMBUSTIBLES

### SINGLE WALL FLUE:

Top 1000mm.
Rear 500mm.
Side 450mm.

### TWIN WALL FLUE:

Top 1000mm. Rear 300mm. Side 400mm.

### WEIGHT

### STANDARD HEIGHT.

■ 142kg

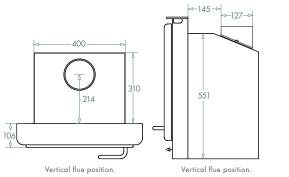
### TALL LOG STORE STYLE.

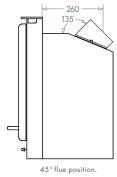
■ 154kg

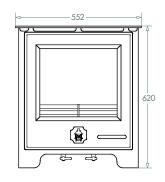
■ The clearance between the stove and any non combustible surface is not recommended to be any less than 152mm from the side or rear and 300mm from above.

### FIREBRIGHT DIMENSIONS

### PHOENIX ECO FIREBRIGHT INSET 5kW





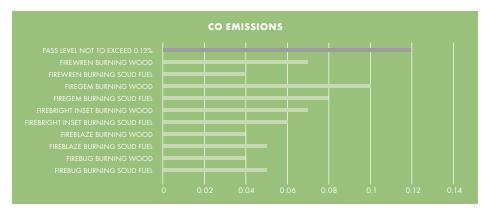




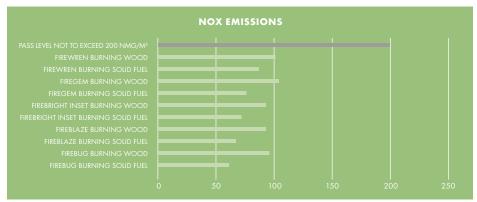
### EMISSIONS

The Phoenix Eco Range has exceeded the Ecodesign Ready standard well ahead of the 2022 Clean Air Act regulations.

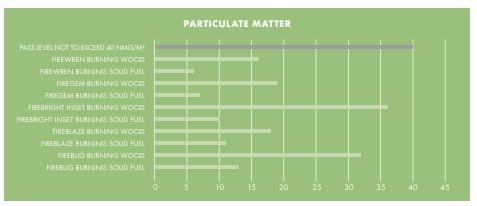
The full list of ultra low emissions are set out in the graphs below.



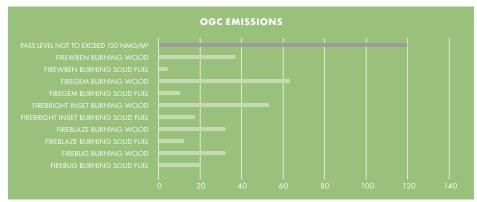
Produced under industry standard test conditions @ (13% 02)



Produced under industry standard test conditions @ (13% 02)



Produced under industry standard test conditions @ (13% 02)



Produced under industry standard test conditions @ (13% 02)

### **ACCESSORIES**



fire retardant Gauntlet

Universal handed gauntlet that has an A1 fire rating. (Included in stove)



REAR FLUE ADAPTOR

Allows for a vertical rear outlet. There are two holes allowing for different installation distances. For example when the flue is further back.



OPERATING TOOL

This Multi-purpose tool has a stainless steel handle and steel head. Can be used as a riddling control, Primary air adjuster and ash pan handle. (Included in stove)



THERMOMETER

Dual purpose thermometer which can be used on the flue or the stove and will help with the optimum running of the appliance.



HEATSHIELD

Wall mounted double skinned heatshield which reduces the heat transfer to the wall.



LOG CRADLE

Made of steel construction, the cradle can be customised with up to 14 characters, or can be left plain.



LOG HOPPER

Made with rolled steel this attractive log holder also has a kindling store.

### HELPFUL HINTS

### SIZING

A good rule of thumb guide to calculate the heat requirement is:

Height x width x depth in metres divided by 14 (Divide the cubic footage of the room by 500) This will give you the kilowatt requirement.

Formula:  $\frac{H \times W \times D}{14}$  = kilowatts

This is based on an average house insulation with room temperatures of  $20^{\circ}\text{C}$  and an outside ambient temperature of -1°C

- Only burn dry wood fuel. Fuel with more than 20% moisture will seriously impede the performance of your stove.
- Booklets detailing installation requirements and operating instructions are supplied with each stove.
- The illustrations in this brochure do not necessarily comply with local building regulations.
- Woodwarm stoves are all defined as Class 1 appliances.
- Fuel is not to be stored under or around any stove while the stove is in use.
- Metal Developments Ltd reserve the right to change their specifications at any time.





METAL DEVELOPMENTS LTD. THE WORKSHOP, WHEATCROFT FARM, CULLOMPTON, DEVON, EX15 1RA T. 01884 35806 E. sales@woodwarmstoves.co.uk

www.woodwarmstoves.co.uk

