

# Dunsley

Wood and Multi-fuel Stoves  
It's quality that counts



CE APPROVED  
HETAS APPROVED



# Welcome

Dunsley are one of the UK's longest standing and finest manufacturers of multi-fuel heating equipment, the firm was established in 1950 high on the Yorkshire moors of Holmfirth. The company, still run by the Broadbent family is proud of its history and is a 100% British company dedicated to producing top quality goods.

We trust you will enjoy looking through our brochure and hope you decide on one of the stoves from our Highlander and Yorkshire ranges.

## DESIGNED AND MANUFACTURED IN HOLMFIRTH, YORKSHIRE

Since Dunsley Heat developed it's first fires over 60 years ago we have been at the forefront of innovative design. With stunning quality and superior efficiency has created a stoves range that gives you dancing flames and high outputs.

## THE ENVIRONMENT

The efficient combustibility of various fuels is an integral part of the development process within the Highlander and Yorkshire ranges, we have developed the Enviro-burn models which uses hot tertiary air to burn the particulate exhaust matter, giving greater efficiency and a clean & clear burn.

## HETAS APPROVED

Meets the requirements of the relevant British Standards BSEN 1324:2001 for the whole of the UK. Also meets the requirements of the Scotland Building Regulations 1999 Part F.

## QUALITY AND STUNNING PERFORMANCE

Design is the cornerstone of the development process at Dunsley. Design alone is not enough to give you confidence to buy. You need the knowledge that the product has quality to match it; which is why each stove leaving our factory is quality checked at each stage of production. Ensuring that the product you purchase is a total delight for you.

The Highlander and Yorkshire stoves have been developed using the best burning technology to give you a stove with cleaner burn and high efficiencies of up to 84%.

The Air Wash System has been designed to keep the glass clean to give a full view of the superb flame pattern, this is created as the flames rise to meet the incoming air, this causes secondary combustion to take place, resulting in cleaner burn and dancing flames.

All Dunsley stoves are constructed from the highest quality 4 & 10mm steel & cast iron. They are all fitted with multifuel grates which enable you to burn logs and smokeless fuels on the same grate utilising our superb mechanism to position the grate appropriately. i.e. closed for burning wood and open for smokeless fuels. The front of each grate bar rests on the shaker bar, which extends the full width of the stove. Moving this back and forth using the operating tool to agitate the grate bars to de-ash. This means that you don't have to open the door to clear the ash from the grate, thus maintaining heat & more efficient burning.



**3 Year guarantee on all boiler models and 5 Year on all others (exclusions apply see installation instructions)**



FS610184

# CHOOSING THE RIGHT STOVE FOR YOU!

The most desirable factor when choosing the right stove for you is the heat output. We have made this easy for you with the Highlander range. Each stove is named with their approximate output. Something else to consider is the size of the stove in relation to the location of your stove. It is important to remember that you will need a further 75mm to each side of the stove and 125mm above away from any non combustible materials. Where space is limited why not look at our Slimline stoves. Even with a reduced depth they can still take large logs up to 460mm long.

Finished in black as standard there is now the option to add colour to your life with a paint finish (see page 16 for more information on options). All Highlander stoves are fitted with black handles as standard with brass or bright steel available on request. The Highlander stoves have many variants and have interchangeable top or rear flue outlets.

If you want an exceptional stove that will burn fuels others can't in smoke control area, then turn to page 18 and review the Yorkshire Stove, which is available in non Boiler and Central Heating Boiler variants.

## WHAT'S THE DUNSLEY DIFFERENCE?

All our stoves are easy to operate and are designed to enhance your relaxation time. There is nothing better than watching dancing flames through the large windows our stoves offer.

We have developed ranges allowing you the choice of doors on certain models but which one is right for you?

**Everybody's location is different**, which is why we have the Enviro-burn range, a multifuel stove giving a clean & clear smokeless combustion with tertiary and airwash air supply (see page 7).

**Everybody's house is different**, which is why we have traditional stoves like the Highlander range (see page 3) or the more modern look of the Highlander SOLO (see page 5). Now we have the new SG range, these stoves have a square window which increases the viewing area (see page 9).

**Everybody's style is different**, the choice is yours but which one will it be? To help, we've put a selection of image together in this brochure to illustrate how our stoves could look in your home, remember to discuss your requirements with the heating engineer prior to ordering?



Dunsley Highlander 5



Dunsley Highlander 5 Solo



Dunsley Highlander SOLO 5SG



## Highlander 5

Hearth temperatures  
for SL (Short Legs) model  
burning wood logs 64°C  
burning ancit 132°C

## DESCRIPTION

### Highlander 5

The Highlander 5 is capable of taking logs up to 280mm in length.

The Highlander 5 is available as a short leg (SL) or high leg (HL) versions. Both can be fitted with a canopy.

## HEAT OUTPUTS IN kW

Outputs will vary with the type of fuel used and the burning rate. See page 13 for more details on central heating models.

Burning wood logs 5.0kW  
Burning ancit 4.8kW

**Burning Efficiencies**  
burning wood logs 80.1%  
burning ancit 73.1%

**Hearth Temperatures for HL version**  
burning wood logs 56°C  
burning ancit 61°C



### Highlander 7

The Highlander 7 is capable of taking logs up to 360mm in length.

All Highlander have two controls. The one above the main door controls the amount of air required for the air wash system. The lower one controls the primary air for combustion. The Highlander 7 is available as a short leg (SL) or high leg (HL) versions.

Burning wood logs 5.2kW  
Burning ancit 6.0kW

**Burning Efficiencies**  
burning wood logs 76.5%  
burning ancit 75.8%

**Hearth temperatures for SL version**  
burning wood logs 61°C  
burning ancit 98°C

Hearth temperatures for HL version see page 7



### Highlander 8

The Highlander 8 has a wide door opening and large fire bed capacity, this enables you to load the fire box with good sized logs of up to 460mm in length.

The grate mechanism can be adjusted for burning wood or other solid fuels.

Burning wood logs 7.8kW  
Burning ancit 7.5kW

**Burning Efficiencies**  
burning wood logs 77.8%  
burning ancit 74.9%

**Hearth Temperatures**  
burning wood logs 61°C  
burning ancit 81°C



### Highlander 10

Suitable for larger rooms, and a fuel box area to take logs up to 540mm in length.

Burning wood logs 10.0kW  
Burning ancit 9.8kW

**Burning Efficiencies**  
burning wood logs 74.6%  
burning ancit 77.6%

**Hearth Temperatures**  
burning wood logs 77.7°C  
burning ancit 112.9°C





## The Highlander 5 Enviro-burn Solo Slimline Pedestal

(with Blue Metallic Paint Finish see page 16 for more info on colours) has been designed to be the freestanding focal point of your home. It includes all of the features of the standard Enviro-burn model and a large window for uninterrupted viewing of the flames.

### HEAT OUTPUTS 5kW

**Burning Efficiencies**  
 burning wood logs 79.3%  
 burning ancit 75.5%

Hearth Temps	
Burning wood logs	32.4°C
Burning ancit	44.5°C



# THE DUNSLEY HIGHLANDER SOLO

single door range

The single door gives uninterrupted views of the fire area, allowing you to enjoy the flickering flames without any compromise in efficiency or heat output.

^  
Detailing on the Dunsley Highlander Solo single door models. Black handles are fitted as standard with brass, chrome or wood available on request.



^  
Dunsley Highlander 5 Solo  
Highlander 5 Enviro-burn Solo  
for more information on  
the Highlander 5 Enviro-burn see page 8



^  
Dunsley Highlander 5  
Enviro-burn Solo Slimline  
for more information see page 8



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Dunsley Highlander 7 Solo  
Highlander 7 Enviro-burn Solo  
for more information on  
the Highlander 7 Enviro-burn see page 8



^  
Dunsley Highlander 8 Solo  
Highlander 8 Enviro-burn Solo  
for more information see page 8



^  
Dunsley Highlander 10 Solo



^  
Highlander 5 Enviro-burn Solo  
Slimline Pedestal



^  
Dunsley Highlander 5 LS Solo



^  
Dunsley Highlander 7 LS Solo



^  
Dunsley Highlander 8 & 10 LS Solo

The Dunsley Highlander Solo Range is only available through our network of

Showroom Stockists, for your nearest centre please give us a call on: 01484 682635

# HIGHLANDER 7 ENVIRO-BURN SOLO

## CLEAN & CLEAR:

Smokeless Multifuel -  
Enviro-burn clean  
combustion with  
tertiary and airwash  
air supply.



	Outputs	Efficiency	Hearth Temps
Burning wood	6.8kW	79.9%	39.4°C
Burning ancit	7.0kW	77.1%	79.0°C

# Clean-Burn - The Enviro-Burn Range

## Highlander 3 Enviro-burn



burning wood logs 3.7kW  
burning ancit 3.7kW

**Burning Efficiencies**  
burning wood logs 84.0%  
burning ancit 80.4%

**Hearth Temperatures**  
burning wood logs 32.4°C  
burning ancit 44.5°C

Depth large enough to  
take logs up to 240mm in length.

## Highlander 5 Enviro-burn SOLO Slimline

Burning wood logs 5.0kW  
Burning ancit 5.0kW

**Burning Efficiencies**  
burning wood logs 79.3%  
burning ancit 75.5%

**Hearth Temperatures**  
burning wood logs 56°C  
burning ancit 68°C



## Highlander 5 Enviro-burn

Burning wood logs 4.9kW  
Burning ancit 5.0kW

**Burning Efficiencies**  
burning wood logs 78.9%  
burning ancit 74.8%

**Hearth temperatures for HL version**  
burning wood logs 56°C  
burning ancit 61°C

See page 3 for SL version



SOLO  
VERSION

## Highlander 7 Enviro-burn SOLO



Burning wood logs 6.8kW  
Burning ancit 7.0kW

**Burning Efficiencies**  
burning wood logs 79.9%  
burning ancit 77.1%

**Hearth temperatures**  
burning wood logs 39.4°C  
burning ancit 79.0°C

## Highlander 8 Enviro-burn SOLO

Burning wood logs 8.1kW  
Burning ancit 8.2kW

**Burning Efficiencies**  
burning wood logs 75.9%  
burning ancit 75.1%

**Hearth Temperatures**  
burning wood logs 59°C  
burning ancit 50°C



All Enviroburn models are passed for burning wood in smoke controlled areas. Outputs will vary with the type of fuel used and the burning rate. The Slimline model has been developed to fit where space is limited. Even with the reduced depth, it can still take large logs up to 460mm long.

# Dunsley Highlander Solo SG RANGE

So you can enjoy the dancing flames of the Dunsley Highlander Solo stoves even more, we have developed the SG RANGE to give a larger window.



3SG



5SG  
with Almond  
Paint Finish



5SG Slimline



7SG  
with Blue Metallic  
Paint Finish  
(See page 16 for more info on  
paint finishes)



8SG



5SG Slimline Pedestal



These models are DEFRA approved for burning wood in smoke control areas.





5SG Log Store



8SG Log Store



10SG Log Store



8SG  
Double Fronted



8SG  
Central Heating version



10SG  
Central Heating version  
Also available as a non boiler model



Highlander SOLO 10SG Logstore

# Highlander 8 Double Fronted Stove

The Highlander 8 double fronted stove is ideal for homes, pubs or hotels that have, or wish to create a central chimney room setting as a focal point.

The grate mechanism can be adjusted for burning wood or other solid fuels.

**Please note** - the Highlander 8 Double fronted is only available with top flue connection.



^  
Dunsley  
Highlander 8 Solo  
Double Fronted Stove



< Highlander 8  
Double Fronted Stove

SEE PAGE 16 FOR  
MEASUREMENTS  
AND ACCESSORIES

**Burning Efficiencies**  
burning wood logs 72.9%  
burning ancit 67.0%

### HEAT OUTPUTS IN kW

burning wood logs 7.1kW  
burning ancit 7.2kW

**Hearth Temperatures**  
burning wood logs 62°C  
burning ancit 77°C

### LOG STORE TEMPERATURES

The temperature within the log store area is 64.8°C above the ambient.

## Dunsley Highlander Log Store

The Highlander Multi-Fuel range of stoves is complemented by a Log Store model which has all the features of our standard range of stoves.

The Log Store range is ideal for homes where a chimney is built, to make a feature against a wall or fitting into an Inglenook type fireplace opening.

The Log Store has top or rear flue outlets which can be changed on site. Leveling adjusting bolts are fitted as standard at each corner to assist on uneven floors.

The log store area is large enough on each stove to store logs for a cold Winter's night, with the radiant heat and flickering flames reminding you of warm rays of sunshine.

### Highlander 7 > Log Store



### Highlander 8 Log Store with double doors



### Highlander 5 > Log Store



< Highlander 10  
Log Store with  
standard double  
doors



Vented slots in the side of the log stores improve convected heat to the room

Log Stores  
are also available as a  
**SOLO model** see page 6  
and **SG model** see  
page 9

SEE PAGE 16 FOR MEASUREMENTS  
AND ACCESSORIES



## Highlander 10 Central Heating Model

# Central Heating Models

## Dunsley Highlander 8CH, 10CH and 16 Solo

The Highlander 8, 10 and Highlander 16 Solo are fitted with a fully integral boiler for central heating and domestic hot water as well as providing heat into the room.

They have a built-in thermostat which automatically monitors the central heating temperature and controls the incoming air to regulate how the fire burns to meet the central heating requirements.

All three stoves can be supplied with an external air intake pipe which is fitted to the air box underneath the stove, this allows combustion air to be taken from outside the building. At present 'building regulations' state you must have a permanent open air vent into the room where the stove is sited. Air vents can cause draughts. With the addition of our air-kit it helps eliminate draughts because over 80% of the air required for the stove is taken through the kit. It will reduce the number of air changes within the room, so significantly reducing the heat loss and the need for air being pulled through the regulation air vent.

The Stoves have multifuel grate bars as standard and are fitted with black handles with brass or bright steel available on request.

**Please note** - the Highlander central heating models are only available with top flue connection. A canopy can be supplied on request.

Built to the highest standards, these quality stove are designed for intermittent or continual use.

All our stoves are HETAS APPROVED



### The Electric Booster Heater Unit

Offered as an optional extra for any central heating boiler the unit is designed to boost the temperature of the radiators when the fire is low or out to ensure a more consistent temperature.

With the booster package fitted, it reduces the time to bring your heating system up to normal operating temperature. A time clock gives you full control and can be set to switch on the booster, i.e. one or two hours before rising in the morning or arriving home from work. The booster heater can be supplied with one or two 3kW elements.



Highlander 8CH >



< Highlander 8CH Solo

	HIGHLANDER 8	HIGHLANDER 10
<b>Four hour refueling</b>	<b>Burning Ancit</b> the efficiency is 71.3%	<b>Burning Ancit</b> the efficiency is 73.8%
Output to Water	7.7kW (26,272 BTU's)	10.5kW (35,826 BTU's)
Output to Room	3.8kW (12,965 BTU's)	3.9kW (13,306 BTU's)
<b>TOTAL</b>	<b>11.5kW (39,237 BTU's)</b>	<b>14.4kW (49,132 BTU's)</b>
<b>one hour refueling</b>	<b>Burning Logs</b> the efficiency is 72.8%	<b>Burning Logs</b> the efficiency is 74.2%
Output to Water	5.8kW (19,789 BTU's)	8.2kW (27,978 BTU's)
Output to Room	3.9kW (13,306 BTU's)	5.2kW (17,742 BTU's)
<b>TOTAL</b>	<b>9.7kW (33,095 BTU's)</b>	<b>13.4kW (45,720 BTU's)</b>
<b>Hearth Temps</b>		
Burning wood logs	22°C	41°C
Burning ancit	67°C	105°C

**Higher outputs can be achieved by adjusting the boiler thermostat.  
SEE PAGE 16 FOR MEASUREMENTS AND ACCESSORIES**

< Highlander 10 SOLO CH



Highlander 16CH Solo >



### HEAT OUTPUTS IN KW

<b>Four hour refueling</b>	<b>Burning Ancit</b> the efficiency is 73.9%
Output to Water	12.4kW (42,308 BTU's)
Output to Room	4.5kW (15,354 BTU's)
<b>TOTAL</b>	<b>16.9kW (57,662 BTU's)</b>
<b>one hour refueling</b>	<b>Burning Logs</b> the efficiency is 73.1%
Output to Water	8.5kW (29,002 BTU's)
Output to Room	7.1kW (24,225 BTU's)
<b>TOTAL</b>	<b>15.6kW (53,227 BTU's)</b>

**Hearth Temperatures**  
burning wood logs 33°C  
burning ancit 81°C

**Higher outputs can be achieved by adjusting the boiler thermostat.  
SEE PAGE 16 FOR MEASUREMENTS AND ACCESSORIES**

Dunsley  
Highlander-16  
Solo Central Heating

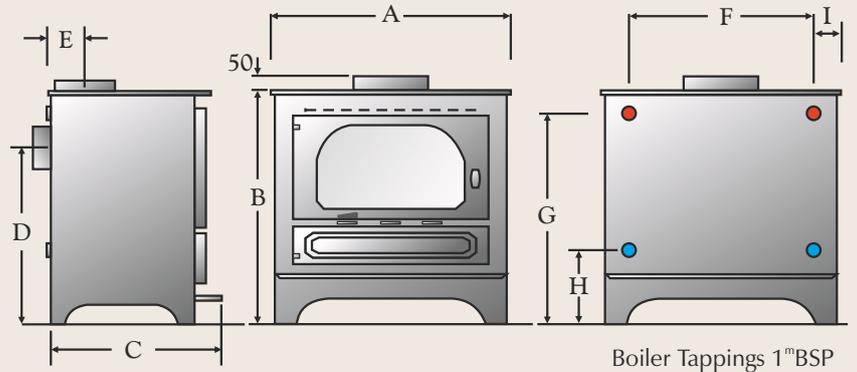


# Dimensions and flue sizes

## measurements in millimetres

The 3 & 5 has a 5" DIA 125mm flue outlet.

The 7, 8, 10 and 16 takes a 6" DIA 150mm flue outlet.



Boiler Tappings 1<sup>m</sup>BSP

Model	A	B	C	D	E	F	G	H	I
Highlander 3	340	560	385	445	105	-	-	-	-
Highlander 5 Short Leg (SL)	425	560	385	445	105	-	-	-	-
Highlander 5 High Leg (HL)	425	630	385	515	105	-	-	-	-
Highlander 5 Slimline	605	630	300	515	105	-	-	-	-
Highlander 5 Slimline Pedestal	605	825	420	700	105	-	-	-	-
Highlander 5 Log Store	425	830	385	710	105	-	-	-	-
Highlander 7 Short Leg (SL)	520	650	385	536	118	-	-	-	-
Highlander 7 High Leg (HL)	520	720	385	606	118	-	-	-	-
Highlander 7 Log Store	520	920	385	800	118	-	-	-	-
Highlander 8	605	630	385	515	118	-	-	-	-
Highlander 8 Double Fronted	605	630	450	-	210	-	-	-	-
Highlander 8 Central Heating (CH)	605	645	385	-	118	400	600	340	100
Highlander 8 Log Store	605	900	385	780	118	-	-	-	-
Highlander 10	690	630	385	515	118	-	-	-	-
Highlander 10 Central Heating (CH)	690	645	485	-	118	485	600	250	100
Highlander 10 Log Store	690	900	385	780	118	-	-	-	-
Highlander 16 Central Heating (CH)	690	765	485	-	118	485	715	250	100

## BEFORE YOU DECIDE

Of course, we would like you to choose a Dunsley 'Highlander' stove - before you do, may we suggest you check the following advantages

- 3 Year guarantee on all boiler models and 5 Year on all others (exclusions apply see installation instructions)
- Fitted with cast iron multi fuel riddling grate as standard
- Chrome iron grate bars are available, as an optional extra
- Very efficient air wash, which also improves fuel efficiency
- Automatic door safety device
- Large ash capacity below grate bars
- All Highlander stoves can be used in "smoke controlled areas" when burning authorised smokeless fuels
- All Enviro-burn models can burn wood and smokeless fuels in smoke control areas

## COLOUR PAINT FINISH

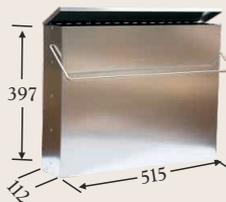
As well as our outstanding Black Paint Finish standard on all our stove we can now offer a number of different colours available as an optional extra. Remember each stove is different and the actual paint colour may vary slightly from our brochure, so please ask your dealer to see the Stovebright colour chart.



## Dunsley Highlander Accessories

The ash container and fuel carrier are also suitable for most room heaters, stoves and open fires

measurements in millimetres



**Multi-Fuel Ash Container**  
Part No. 01414

The Highlander ash shovel slides into the ash container to avoid possible spillage of ash when carrying through your residence.



**Fuel Carrier**  
Part No. 01429

The nose fits easily through the door of the Highlander to re-fuel.



**Trivet. Part No. 02040**

The Trivet fixes at each side of the flue, held in position by two screws and raised slightly from the stove top to provide an area at the rear of the hot plate or griddle to keep food or coffee warm. Only suitable for stoves with a 6" dia spigot.

### Stove Canopy with Top Flue Outlet



### Stove Canopy with rear flue Outlet

If it is intended to fit the canopy onto the stove add 135mm to the height.

All SOLO models are Available with hardwood handle



### Rear Flue Adapter

Part No. 02298  
Available in 5" and 6" sizes



### Sliding wood handle sleeve for use when opening and closing the door

Part No. 02299





# Yorkshire The Smokeless Stove

## Non Boiler model with full convection

The Yorkshire multi-fuel stove will burn wood, coke, anthracite and softwoods, all of these can be used in smoke control areas, there's no need to change grates or throat plates, as the grate bars are adjustable to make them suitable for either wood or other fuels.

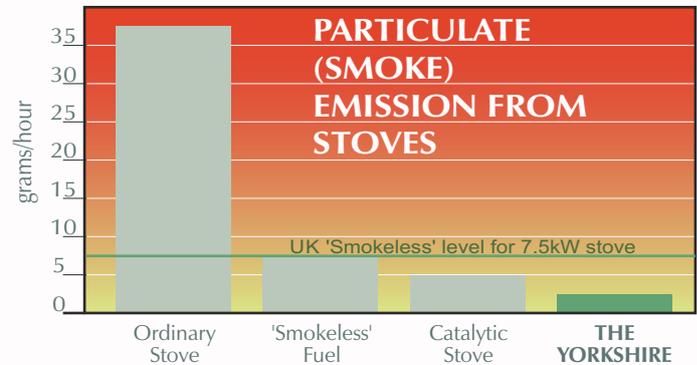
### HOW IT WORKS:

In ordinary stoves, air comes up beneath the fuel, so that smoke (which is tiny particles of unburned fuel), heat and waste gases are thrown from the top of the fuel into the chimney. The Yorkshire is different - air enters above the fuel, sweeping in front of the window, forcing smoke down into the hottest part of the fire and on into a refractory-lined 'afterburn' chamber. Highly turbulent air is introduced to the hot smoke, which ignites generating temperatures of up to 1,100°C. The result is not just near-zero smoke emission, but greatly improved efficiency, virtually instant controllability and a truly astonishing swirling flame pattern. Because the Yorkshire stove /boiler is a down burning appliance the need for a good insulated flue is essential to the working of the stove and a draft of the flue should be 0.15 mbar min pressure.



Non Boiler Model

MAXIMUM HEAT OUTPUT UNDER TEST CONDITIONS:						
REFUELLING EVERY ONE HOUR	BOILER MODELS				NON-BOILER MODELS	
	To room	To water	Total	Efficiency	Heat to room	Efficiency
Beech Logs	6.6 kW	7.9 kW	14.5 kW	80.0%	7.5 kW	75%
Anthracite	6.4 kW	5.7 kW	12.1 kW	80.7%	7.7 kW	71.8%
Lignite	8.6 kW	6.9 kW	15.5 kW	78.0%		
Joiner Timber	7.0 kW	7.1 kW	14.5 kW	79.5%		



## Yorkshire Automatic Central Heating Boiler

**GRATE BARS:** Fitted with long life Chrome Iron multi-fuel riddling grate bars, which has two functions, to adjust the space between the grate bars making them suitable for wood or other fuels. And to agitates the firebed to clear the ash.

**FUELS:** The Yorkshire is approved to burn the following fuels even in smoke control areas. Dry seasoned wood - Dry peat turves - Peat briquettes - Lignite briquettes "Union briquettes" - all authorised smokeless fuels, including Briquettes - Soft cokes and Hard cokes.

### AUTOMATIC CONTROL BOILER MODEL ONLY

The Yorkshire's built in thermostat automatically monitors central heating temperature and controls the incoming air to regulate how fiercely the fire burns to meet the central heating requirements.



Boiler Model

	BOILER MODELS	NON-BOILER MODELS
Width	595mm	540mm
Height (excl. 45mm flue socket)	715mm	705mm
Depth excl. 70mm front projection	450mm	415mm
Weight	198kg	142kg
Typical flue gas temperature	263°C	300°C
Typical flue gas flow rate	10.6 g/sec	13.5 g/sec
Water content	22 litres	-
Water connections	4x1" BSP Internal	-
Maximum operating pressure	1.4bar	-
Typical actual efficiency	80%	71%
Hearth Temperature	81°C	not tested
Minimum Flue Draught	15pa / 0.15mbar / 0.06 insH <sub>2</sub> O	
Firebox effective volume:	Mineral Fuel: 0.0158m <sup>3</sup> Wood logs: 0.0210m <sup>3</sup>	
Construction conforms to:	EN13240:2001	
Declaration of performance Tested to:	NEW EN13240-A2:2004	

For full details on the Yorkshire Stoves please visit the website: [www.dunsleyheat.co.uk](http://www.dunsleyheat.co.uk)



# Dunsley Heat

It's quality that counts

See the full range visit the website: [www.dunsleyheat.co.uk](http://www.dunsleyheat.co.uk)

Dunsley has been Designing and Manufacturing superior solid fuel heating equipment for over 60 years.

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Tel: 01484 682635 Fax: 01484 688428 email: [sales@dunsleyheat.co.uk](mailto:sales@dunsleyheat.co.uk)



All Dunsley stoves are manufactured in Great Britain

Dunsley are continually reviewing products and may make alterations without notice. Please see the website for the latest specifications and recommended fuels.