

fireline™



STOVES, PACKAGES AND SURROUNDS

Charlton & Jenrick<sup>LTD</sup>

*Best of British fires, fireplaces & stoves*

# A warm welcome to the new Fireline Stove Brochure

I am delighted to be able to offer you a personal introduction to the latest Charlton & Jenrick Fireline stove brochure. Charlton & Jenrick continues to invest heavily in developing new additions to all our fire and fireplace product ranges and we now offer more choice and higher performance than ever before – all fully approved for the 2022 Ecodesign emissions and efficiency standards. Added for the first time in this edition are our new FP5W, FP8 and Woodtec 5W Deep models.

Wood log burners and multi-fuel stoves have become an effective, economical and low-carbon choice with an exciting visual flame picture that old designs simply could not offer. Alongside this is a national drive for improvement of environmental air quality which the industry has responded to with vigour. Official Stove Industry Alliance (SIA) Ecodesign Ready accreditation ([www.stoveindustryalliance.com](http://www.stoveindustryalliance.com)) is the result and C&J's entire Fireline and Purevision ranges are now officially listed and accredited by this government recognised scheme. Ecodesign stoves can reduce particulate emissions (smoke particles) 90% below an open fire and 80% compared to an old stove. Replacing open fires or old stoves is a local air quality benefit and you can choose any of our stoves with total confidence that they are amongst the top ranks of low emitting appliances in the world. Contrary to sensationalist rumours, there is to be no 'stove ban' in the UK and new, cleaner burning wood burners such as these are here to stay.

Fireline stoves use advanced, patented firebox combustion technology developed exclusively in our own UK laboratory, which results in very clean burning and highly efficient stoves. The fuel efficiency of our stoves begins at 78% and rises to 82% but that is only a small part of the story as our airwash and tertiary air profiling technology are an integral part of the low emission combustion process. Every model in the range easily achieves DEFRA exemption for burning seasoned wood logs in smoke control areas on top of a clear pass on all Ecodesign 2022 emissions criteria. This is not the work of a moment but requires years of careful design being put into each appliance from conception to delivery of the final units.



Peter Mintoft  
Managing Director

Whether it is to be fuelled by wood, gas, electricity or smokeless briquettes, each unique stove design is constructed from 100% UK penned 3D CAD designs using the latest CNC laser profiling and steel production processes and the finest materials. Each product extensively utilises quality cast iron, stainless steel, mild steel, ceramic glass, refractories and high-grade heat-resistant coatings to give you an incredibly strong and durable product to rely on. Our stoves are designed and manufactured under independently certified ISO 9001 quality and ISO 14001 environmental management systems.

Fireline stoves are designed and engineered to be extremely efficient and environmentally friendly. To realise the full potential and low emissions from our stoves, we only recommend using top-quality fuel. The government-recognised Woodsure ([www.woodsurre.co.uk](http://www.woodsurre.co.uk)) Ready To Burn scheme ensures that consumers are able to obtain reliable supplies of quality firewood logs nationally.

Charlton & Jenrick's base here in Telford is a stone's throw away from the birthplace of the industrial revolution at Coalbrookdale and the World Heritage site of Ironbridge where the very origins of modern industry were forged. It is incredibly satisfying to be a small part of the great British industrial story, designing, developing and producing wood-burning stoves for the warmth of UK households.

Peter Mintoft  
Managing Director





## Emissions and Performance Scheme Explained

ClearSkies is the new objective & independent emissions and energy performance certification mark for solid fuel stoves and fireplaces.

Originally initiated through the Stove Industry Alliance (SIA) and now an independent organisation, clearSkies purpose is to drive the development of cleaner and more efficient appliances and is open to all manufacturers of solid fuel stoves and fireplaces. The clearSkies board is made up of industry professionals, including representatives of the SIA, consultants and academics specialising in air quality and bioenergy.

### clearSkies levels – how they work:

ClearSkies appliances are awarded from entry level 2 up to a maximum of level 5 according to their emissions and UK DEFRA exemption status. All stoves of Level 3 and above also include UK DEFRA exemption for burning wood logs in smoke control areas.

### Secure peace of mind – for today and tomorrow:

All C&J stoves achieve a minimum of ClearSkies Level 4, and the vast majority achieve Level 5 to give you total peace of mind that you are investing in a state of the art wood burner with future proof performance. C&J are proud to have been amongst the founder members of the clearSkies scheme.

Scan the QR code for further details and our official product listings or visit:  
[www.clearskiesmark.org/](http://www.clearskiesmark.org/) ►



## Stoves of the future – here today

The SIA (Stove Industry Alliance) used the services of a research company, Kiwa Gastec, whose report shows that modern clean burning Ecodesign stoves, including those in the Fireline range, can reduce particulate emissions by up to 90% compared to an open fire, and 80-84% compared to an old stove.

This finding is so important that SIA have begun an 'Ecodesign Ready' labelling scheme to promote stoves meeting the efficiency and emissions regulations early. Since 2017, the industry's main manufacturers, including Charlton & Jenrick, have ensured that all newly designed wood burning stove models meet European environmental standards for particulate emissions.

Charlton & Jenrick invested in the design and development of the Fireline range of Ecodesign Ready stoves as long ago as 2013 to prepare for future tightening of regulations.

In doing so, new combustion optimisation ideas and techniques were perfected, resulting in a patent covering the tertiary air inlet system and several other innovations which were added within the products.

You can buy, safe in the knowledge that all the Fireline stoves you see in this brochure meet and exceed the 2022 regulations and are already certified SIA Ecodesign Ready.



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## fireline™ 7 YEAR WARRANTY

Get peace of mind with all Fireline wood-burning & multi-fuel stoves with 7 years extended parts warranty as standard. Full details and terms & conditions can be found on our website [www.charltonandjenrick.co.uk](http://www.charltonandjenrick.co.uk)



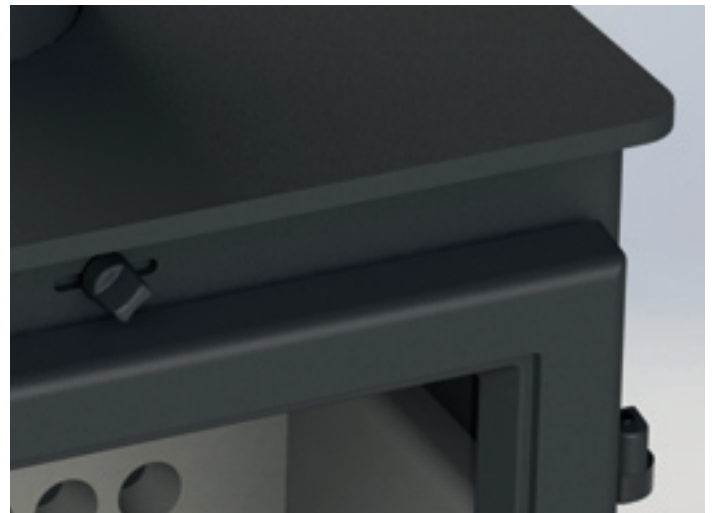
# Fireline Multi-fuel Stoves

## Key Features

- SIA Ecodesign Ready 2022 certified – ultra-clean burning.
- All models DEFRA exempt as standard.
- 5mm and 10mm thick laser-profiled and seam-welded steel construction for strength and long life.
- Draught-controlled tertiary air system.
- Contoured touch air control on all freestanding models.
- Soft cool-touch handles on all freestanding models.
- High-quality cast iron doors.
- Cast ceramic liner boards (freestanding & inset models) which are extremely durable and self-cleaning.
- Rotary cast iron grates on all freestanding models.
- All models fitted with solid fuel burning kits as standard.
- All inset stoves are multi-fuel capable.
- Stainless-steel bar handle on inset models.
- Stainless-steel multi tool supplied with all stove models.
- Interchangeable top or rear flue outlet on freestanding models.
- Powerful effective airwash.
- Exceptionally large ceramic glass window.
- Stainless-steel ash pan and fixings.

### TTi Airwash System

Fireline's integral patented TTi airwash system is a self-regulating system that provides a clean burn, and reduced CO and particulate emissions, resulting in very high efficiency and exceptionally clean glass.





For **expert advice** and new product information, follow us on Twitter  **@cJfires**



**FX4** curved door model



**FX4** curved door log store model



## Fireline FX4 multi-fuel stove

Superior, large-stove performance from a petite, narrow design means that this model combines the efficiency and economy of a small stove with the enhanced performance of a much larger model. Continuous research and development has created a clean-burning heat that gives a cleaner, greener environment. Fitting virtually any aperture, this attractive design is freestanding. The large curved door styling offers superb flame pictures whether you burn wood or other fuels. SIA Ecodesign Ready and DEFRA exempt as standard for use in any location.





FX4 curved door model shown in Beckford surround with all limestone chamber



FX4 curved door model shown on log store in inglenook

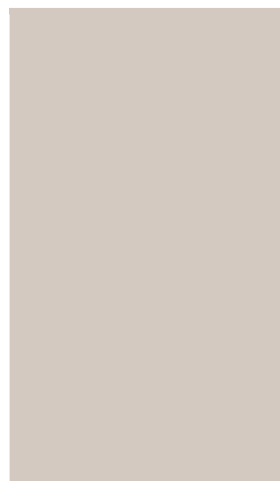




FX5 curved door model shown on log store in inglenook



FX5 Curved door model shown in Beckford surround with all limestone chamber







FX5 curved door model



FX5 curved door log store model

## Fireline FX5 multi-fuel stove

Traditional or contemporary, this 5kW multi-fuel stove looks as harmonious in a farmhouse inglenook as it does in a newly built town house. The stove is freestanding, with a curved door and large flame picture. For people living in a smoke-controlled area, this Fireline stove is SIA Ecodesign Ready and DEFRA exempt for wood burning. This means it meets the latest UK Clean Air Act, giving a greener source of heat.





FA5W arched door model shown in Aylesbury surround with all limestone chamber

## Fireline FA5W multi-fuel stove

The highly successful Fireline 5kW Wide stove line-up now includes a traditional clean arch-framed window design. Complementing the classic ellipse arch shape of the door is a distinctive, sculpted, oval primary air control feature. This stove has it all with an effortless classical appearance yet it benefits from state-of-the-art firebox combustion technology for Ecodesign 2022 ready and DEFRA exempt heating as standard.



FA5W arched door



FA5W arched door  
log store model







**FQ5W** modern door model



**FQ5W** modern door log store model



**FQ5W** chrome door handle model



## Fireline FQ5W multi-fuel stove

A mainstay of the Fireline line-up is the FQ 5kW Wide model with attractive designer styling. Featuring an even larger glass viewing panel than the original 5 Wide stablemates, the subtle curves and angles of the substantial cast iron door frame enhance the superb fire view within. Supplied with the standard soft touch profiled handle, an optional solid stainless-steel bar handle and log store stand are available for personalisation. Elegant balance blended with substantial presence mean that the FQ lends itself to creating a relaxed living space with a wide variety of fireplace and interior choices. All Fireline stoves are multi-fuel, DEFRA exempt and SIA Ecodesign Ready as standard.









**FX5W** curved door model



**FX5W** curved door  
log store model

## Fireline FX5W multi-fuel stove

The FX5W gives the large looks of the 8kW wide screen stove while maintaining the nominal heat output at 5kW. This is achieved by a subtle reduction in depth of the grate area whilst the overall 480mm width of the stove is the same as the larger 8kW model. This means that full 375mm logs can be accommodated on the standard multi-fuel grate, which incorporates a rotary riddle mechanism using well-proven principles. With a firebox lined with ceramic clean burn liners and Fireline's own patented firebox air supply technology, clean burning was assured from the beginning – Ecodesign, CE and DEFRA compliance were formalities. 81% efficiency ensures top levels of fuel economy and the highly effective, proven Fireline airwash system gives fabulous views of the fire through the large glass panel.



SCAN THE QR CODE TO  
SEE THE FX5W STOVE IN  
ACTION ON YOUTUBE



**FX5W** curved door model shown in Aylesbury surround  
with grey slate liners



FX5W curved door model shown in inglenook on log store





**FT5W** tracery door



**FT5W** tracery door  
log store model



## Fireline FT5W multi-fuel stove

The FT5W stove brings with it all the modern environmental benefits of an Ecodesign 2022 multi-fuel stove whilst providing a traditional exterior appearance thanks to the elegant cast iron door. Maintaining a superb view of the fire, the wide screen door features a classic ellipse main arch design plus three slim Gothic-style tracery arches. A solidly built 5kW multi-fuel stove that, like all stoves in this brochure, is DEFRA exempt, Ecodesign 2022 ready and highly thermally efficient for today's modern world.







## Fireline FP5W multi-fuel stove

A new addition to the highly successful Fireline 5kW Wide stove line-up, this stove incorporates a modern chunky square door design which replaces the original FP square door style. Complementing the form of the stove to create a distinctive and purposeful profile, which can be further enhanced with the optional log store. A solidly built 5kW multi-fuel stove that, like all stoves in this brochure, is DEFRA exempt, Ecodesign 2022 ready, clearSkies certified and highly thermally efficient for today's modern world.



FP5W chunky square door model shown on log store



FP5W with chunky square door



FP5W log store model with chunky square door



SCAN THE  
QR CODE  
TO SEE THE  
FP5W STOVE  
IN ACTION  
ON YOUTUBE







FA8 arched door model shown in inglenook

# Fireline FA8 multi-fuel stove

For those requiring a little more heat for their room, the FA8 is an 8kW nominal output multi-fuel stove. Effortlessly elegant, featuring a classic arch-styled heavy cast iron door and a sleek oval air control, this stove's proportions mean that it looks fabulous in an Inglenook, a large fireplace or freestanding on the log store shown above right. Peace of mind is guaranteed by DEFRA exemption for smoke control areas and Ecodesign 2022 compliance as standard for the whole range.





FA8 arched door



FA8 arched door  
log store model



FA8 arched door model shown in Aylesbury surround  
with limestone chamber





FQ8 modern door model shown on log store

## Fireline FQ8 multi-fuel stove

One of the most popular 8kW models by Fireline is the FQ8 with modern cast iron door styling. Featuring an even larger glass viewing panel than the FX and FP originals, the subtle curves and angles of the substantial cast iron door frame enhance the superb fire view within. Elegant balance blended with substance lends itself to a wide variety of fireplace and interior choices to create a relaxed living space. An optional stainless-steel bar handle is available to replace the standard moulded soft touch item or a log store can be added for extra practicality. All Fireline stoves are multi-fuel, DEFRA exempt and SIA Ecodesign Ready as standard.



**FQ8** modern  
door model



**FQ8** modern  
door log store model



**FQ8** chrome door  
handle model



**FQ8** modern door model shown in  
Balmoral surround with rustic slate liners





FX8 curved door model

## Fireline FX8 multi-fuel stove

The FX8 stove is a big, heavyweight, freestanding design, made from steel with a traditional cast iron door with extra-wide ceramic glass flame viewing window. Ideally suited to larger rooms, this stove can pump out a really serious amount of heat. The stove has a curved door feature. The extra-wide flame picture will enhance even the biggest of rooms. All models are DEFRA exempt and 2022 Ecodesign Ready as standard.



**FX8** curved door model



**FX8** curved door  
log store model



SCAN THE QR CODE  
TO SEE THE FX8 STOVE  
IN ACTION ON YOUTUBE



**FX8** curved door model shown in Berrington surround with rustic slate liners





FT8 tracery door model shown in inglenook

## Fireline FT8 multi-fuel stove

A large 8kW multi-fuel stove featuring a classic cast iron arch door with slim Gothic tracery retaining a breathtaking view of the fire. Although undoubtedly a traditional-looking stove, the FT8 is a modern and efficient DEFRA exempt and 2022 Ecodesign ready stove at heart. This stove's proportions and stunning clean burn flame picture mean that it looks great in an Inglenook, in a large fireplace or freestanding on the log store shown above right.



FT8 tracery door



FT8 tracery door  
log store model







FP8 chunky square door



FP8 log store model with chunky square door



## Fireline FP8 multi-fuel stove

A large 8kW multi-fuel stove featuring a modern chunky square door design. Complementing the form of the stove to create a distinctive and purposeful profile, which can be further enhanced with the optional log store. The extra-wide flame picture will enhance even the biggest of rooms. All models are DEFRA exempt and 2022 Ecodesign Ready as standard.



FP8 chunky square door shown in Balmoral surround with rustic slate liners





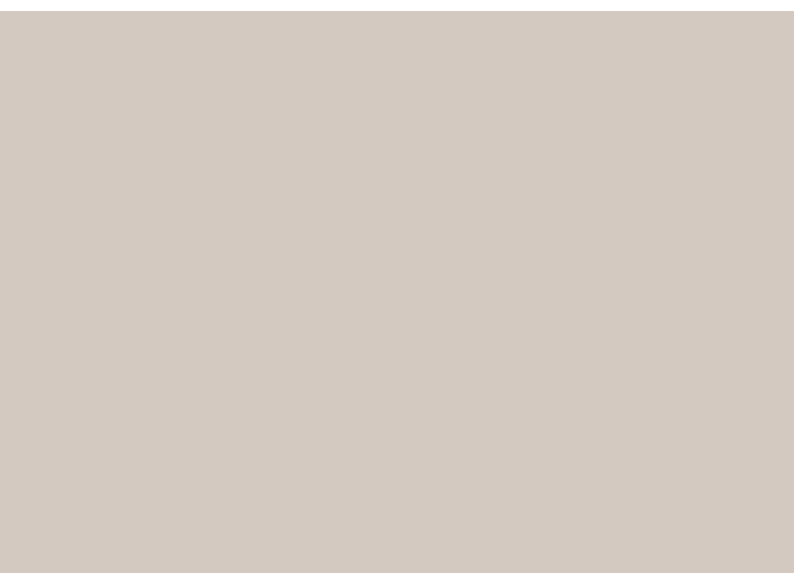


**FPI5** inset stove shown in Beckford surround with 3-sided wide trim with black granite back panel and hearth



## Fireline FPI5 multi-fuel stove

Create a stunning impression in your living room and enjoy the pleasure of a real wood-burning stove. Today's stoves burn wood efficiently and cleanly, providing maximum heat and a focal point in any home. The 16" x 22" FPI5 has been designed to fit virtually any standard Class I chimney. This means fitting should be easy, with little building work required. This fire is Ecodesign Ready and DEFRA exempt for burning wood in smoke-controlled areas plus being multi-fuel means you also have the option of burning solid fuel. When married with a Fireline limestone mantel, such as the Beckford shown above, the effect can be truly stunning. The stove comes with a solid cast iron door.



FPi5 inset stove shown in Beckford limestone surround with 3-sided wide trim





FPi5W inset stove shown in Aylesbury surround with four-sided wide trim

## Fireline FPi5W multi-fuel stove

FPi5W is a mid-sized 5kW rectangular inset multi-fuel stove designed to fit 20" fireplace openings to neatly offer a mid-sized firebox unit retaining a 5kW nominal rating. The firebox technology is well adapted to this size thereby maintaining 78% efficiency, Ecodesign Ready and DEFRA exempt standards of clean combustion. The stove comes complete with a high-quality multi-fuel kit and stainless-steel ashpan, so no compromise on ash removal is necessary. It comes with a cast iron ceramic glazed door.





## Fireline FPi8 multi-fuel stove

A classical yet contemporary design, the FPi8 features a truly stunning wide flame window that gives this model a superb room presence. The extra-large fire chamber accepts logs over ½ metre in length, which results in a longer burn and more efficient heating, not to mention the time saved in cutting small logs. The stove is available with a choice of a three or four-sided trim.



FPi8 inset stove shown set into the wall with a four-sided trim







# Fireline Woodtec Stove Range



Woodtec 5



Woodtec 5 on stand



Woodtec 5 with log store



Woodtec 5W



Woodtec 5W on stand



Woodtec 5W with log store



Woodtec 5WD



Woodtec 5WD on stand



Woodtec 5WD with log store



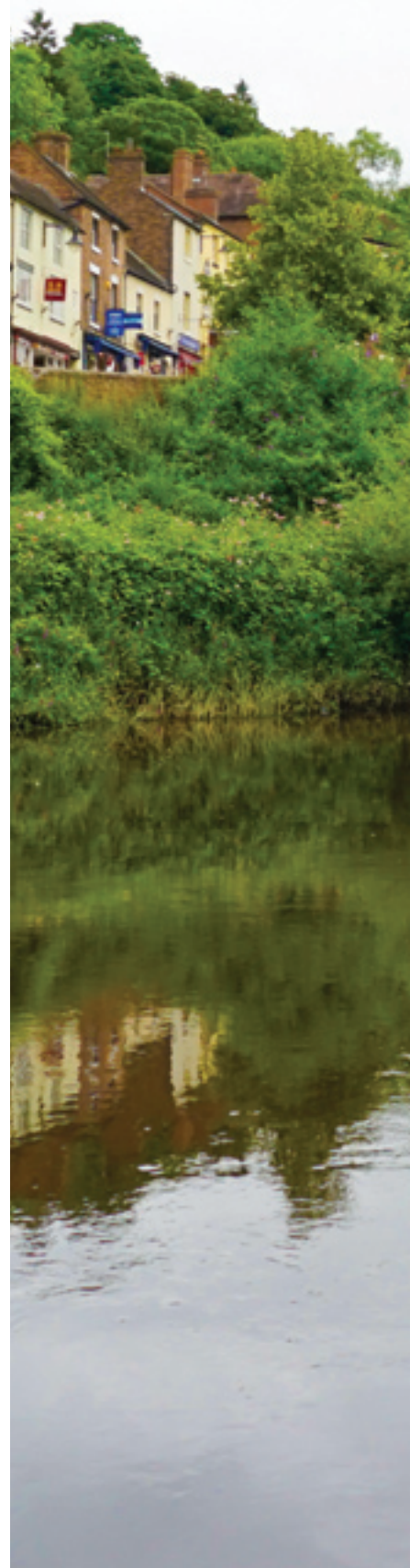
Woodtec 5XW



Woodtec 5XW on stand



Woodtec 5XW  
with log store





Unashamedly accentuating the delightful wood fire at its heart, refined and elegant design combines with powerful SIA Ecodesign Ready performance to deliver Woodtec's unique and compelling allure.

Clean lines of the exquisitely profiled cast iron door and strong seam-welded steel firebox blend flawlessly into a multitude of fireplace and interior scenes. Cutting-edge patented biomass combustion technology is ingeniously integrated into a captivating paradigm of warm ambience created by fire.

Easy to operate with a technically advanced single air control and powerful airwash, each of the four wood-burning models can be personalised with optional stand, log store and black or oak handles. For total peace of mind, all models are SIA Ecodesign Ready certified, DEFRA exempt for smoke control areas, CE marked to harmonised standards and manufactured under ISO 9001:2015 and ISO 14000:2015 systems.

Choose only the best with Woodtec stoves from Fireline.

## Key Features

- SIA Ecodesign Ready 2022 certified – ultra-clean burning.
- Extra high-quality, long-lasting, cast ceramic firebox liners.
- Super clean design lines.
- Powerful airwash system.
- Minimum 75mm rear clearance to combustibles.\*
- Minimum 50mm clearance to non-combustibles.
- 80% plus efficiencies.
- Slimline fireboxes as standard < 12" deep.
- Top flue centre 77mm from back of stove.
- Top and rear flue outlet connections.
- Single stainless-steel air control lever.
- High-quality cast iron doors.
- External Air Kit supplying 100% air available.
- DEFRA exempt for burning wood in smokeless zones.
- Super wide fire beds.
- 12mm superimposed hearth compatible.
- 5" flue connections for convenience and flexibility.
- Adjustable feet for uneven hearths.
- Stainless-steel door lever.
- Cool touch stainless-steel handle.
- Optional black or oak handle.
- Solid stainless-steel operating tool provided.
- Patented tertiary air system.
- High-quality stove gloves provided.
- Stainless-steel ash rake provided.
- Unique optional ash solution available for instant firebox preparation.
- Standard, Wide, Wide Deep and Extra-Wide models.

\*Minimum rear clearances from combustibles achieved using twin wall flue pipe from the top of the stove plus heatshields provided. The 5XW is 100mm.





Woodtec 5 on stand in Aylesbury surround with rustic slate chamber



Woodtec 5

Woodtec 5 on stand

Woodtec 5 with log store

## Woodtec 5 wood-burning stove

The Woodtec range from Fireline offers the clean lines of the exquisitely profiled cast iron door and strong seam-welded steel firebox and blends flawlessly into a multitude of fireplace and interior scenes. The stove features extra high-quality, long-lasting, cast ceramic firebox liners. Not only do the liners look great but they are self-cleaning; when you burn the stove and get the temperature up, any soot on the liners will fade away.



Woodtec 5 stove shown on stand in an inglenook





**Woodtec 5W**



**Woodtec 5W on stand**



**Woodtec 5W with log store**

## Woodtec 5W Wide wood-burning stove

Like all the Woodtec stoves, the 5kW Wide is easy to operate with a technically advanced single air control and powerful airwash. Each of the four wood-burning models can be personalised with optional stand, log store and black or oak handles. As with the other stoves in the range, they have a 5" flue connection for convenience and flexibility.



**Woodtec 5W on stand in Aylesbury surround with rustic slate chamber**





Woodtec 5W in Aylesbury surround with grey slate chamber





**Woodtec 5WD**



**Woodtec 5WD on stand**



**Woodtec 5WD with log store**

## Woodtec 5WD Wide Deep wood-burning stove

The deepest in the range, the Woodtec 5kW Wide Deep offers one of the largest viewing windows on the market for a 5kW stove. This model takes advantage of our patented tertiary air system coupled with its unique ceramic and steel hybrid baffle design to enhance the efficiency and clean burning capabilities of the stove. All the models in the Woodtec range (and in fact all the stoves in this brochure) are SIA Ecodesign 2022 certified, DEFRA exempt for smoke control areas, clearSkies Certified, CE and UKCA marked to harmonised standards and manufactured under ISO 9001:2015 and ISO 14000:2015 systems.



**Woodtec 5WD shown in an inglenook with grey slate chamber**





Woodtec 5WD on log store





Woodtec 5XW



Woodtec 5XW on stand



Woodtec 5XW with log store

Super-sized windows

## Woodtec 5XW Extra Wide wood-burning stove

The widest in the range, the Woodtec 5kW Extra Wide offers one of the largest viewing windows on the market for a 5kW stove. All the models in the Woodtec range (and in fact all the stoves in this brochure) are SIA Ecodesign Ready certified, DEFRA exempt for smoke control areas, CE and UKCA marked to harmonised standards and manufactured under ISO 9001:2015 and ISO 14000:2015 systems.



Woodtec 5XW shown on stand

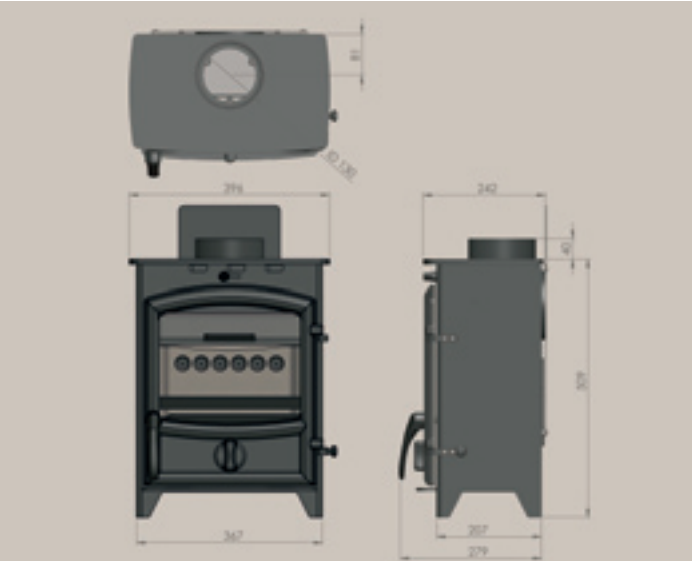




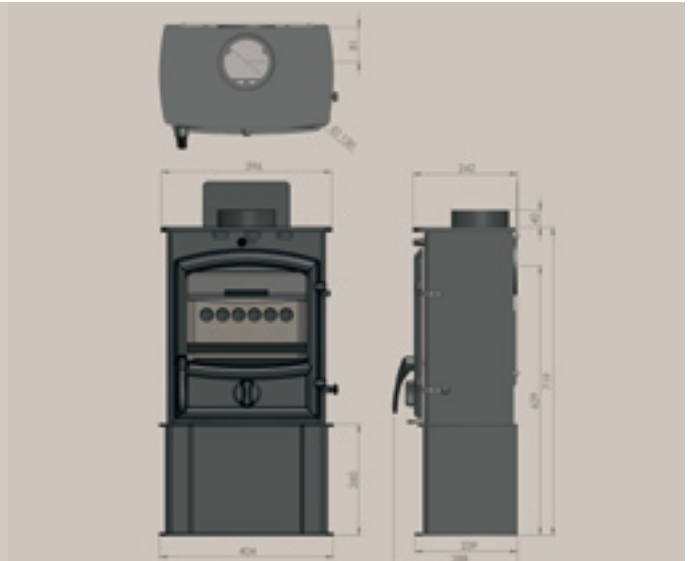
Woodtec 5XW shown on log store



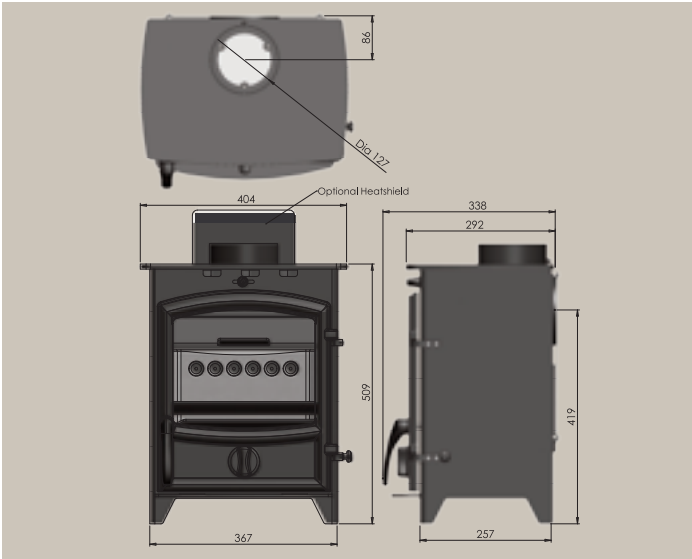
# Dimensions & Specifications



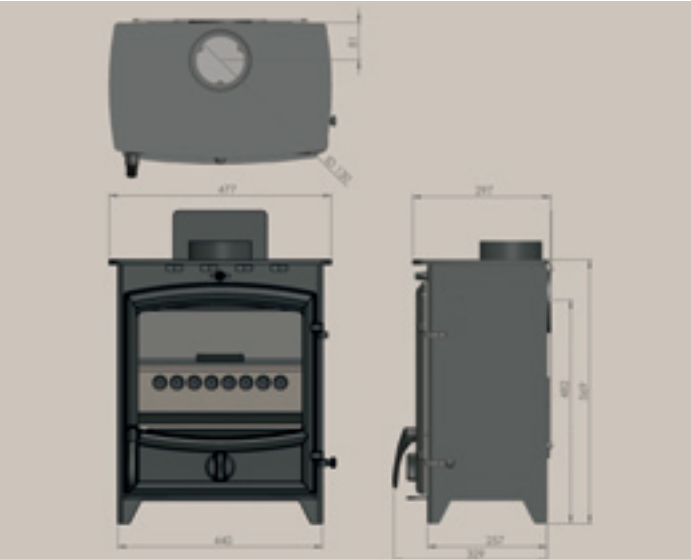
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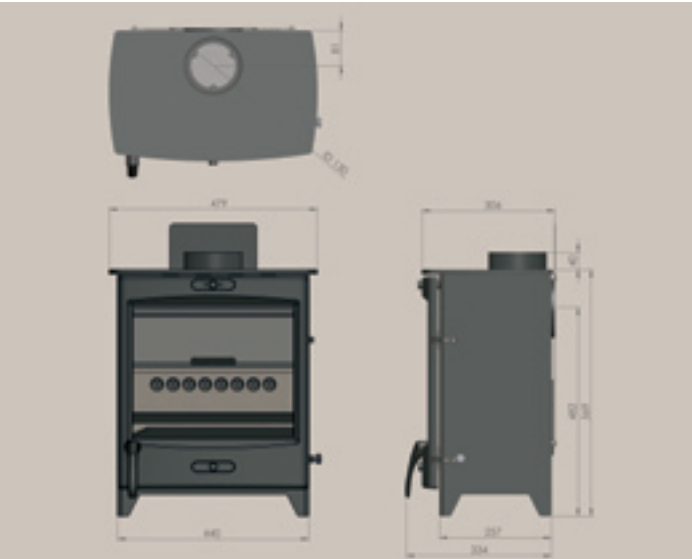
FX4 on log store



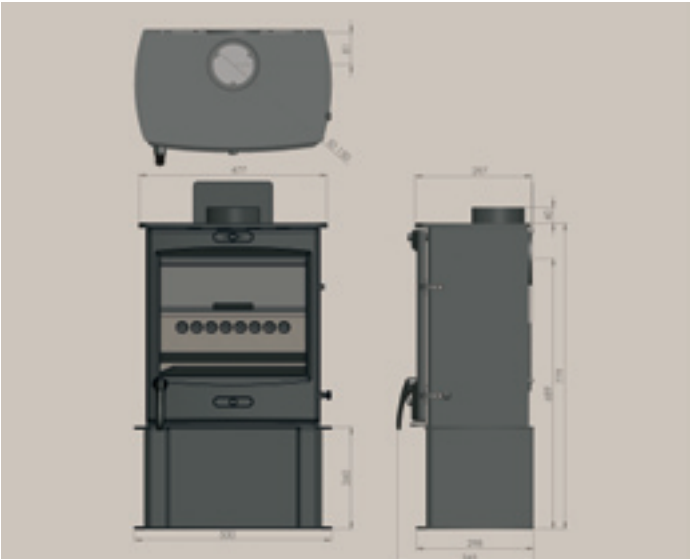
FX5



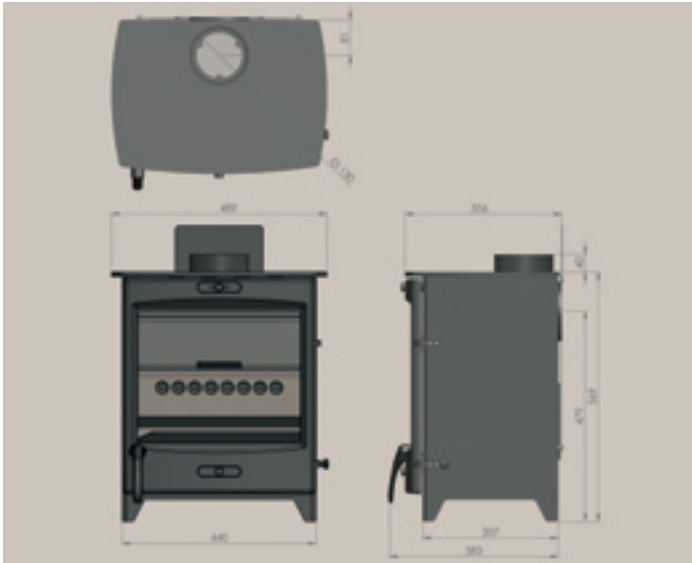
FA5W/FX5W/FT5W/FP5W (FX5W shown)



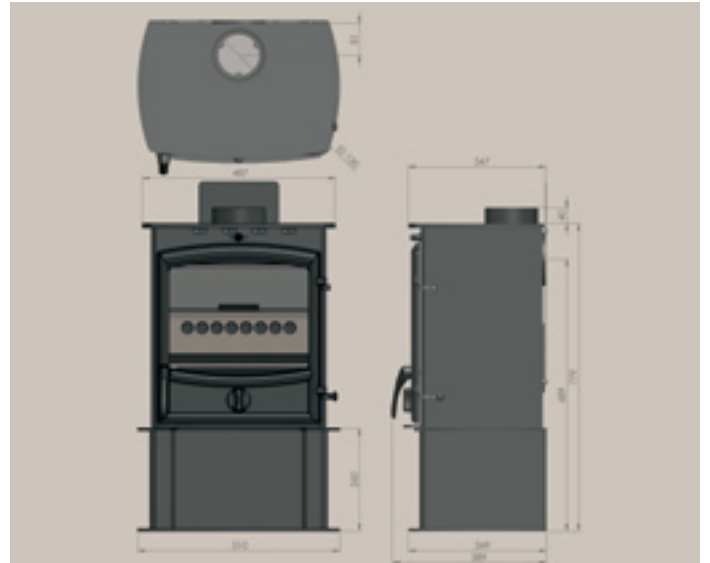
FQ5W



FQ5W on log store



FA8/FQ8/FX8/FT8/FP8 (FQ8 shown)

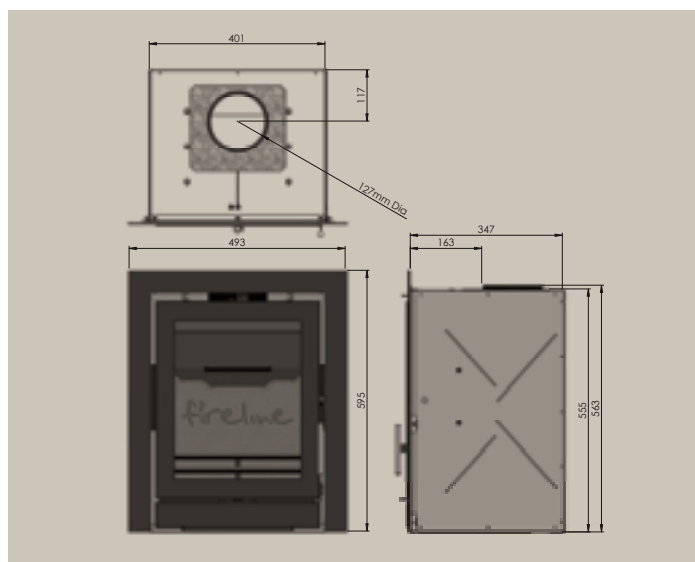


FA8/FQ8/FX8/FT8/FP8 (FX8 shown) on log store

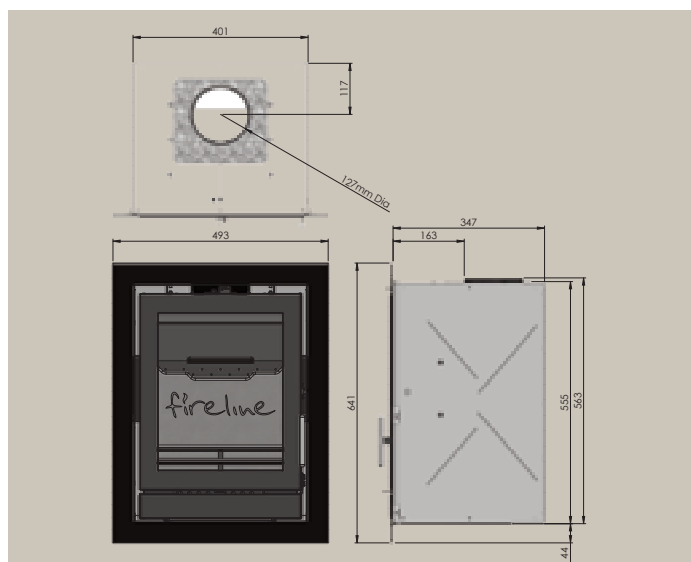




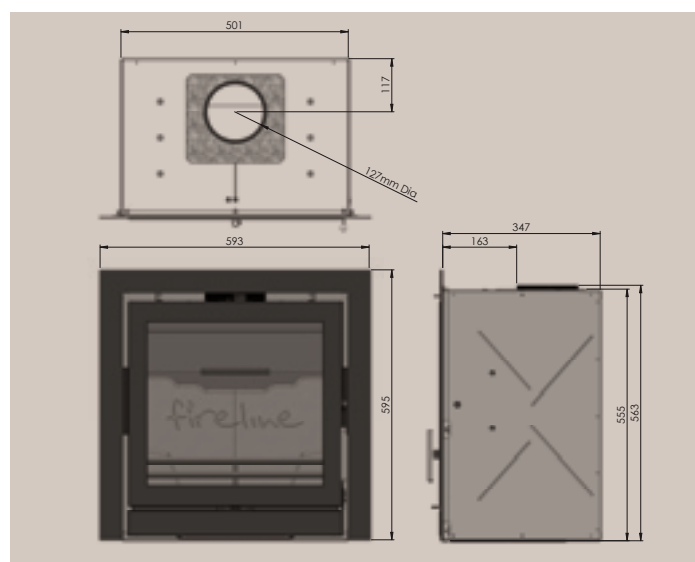
# Dimensions & Specifications



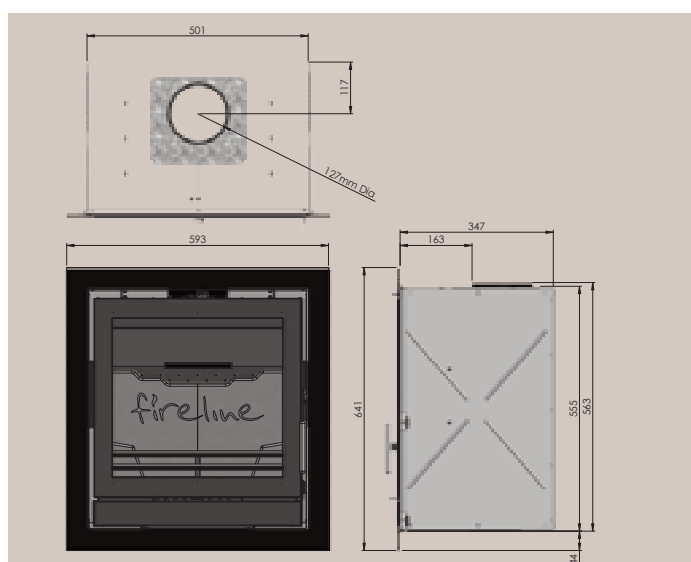
FPi5 3-sided\*



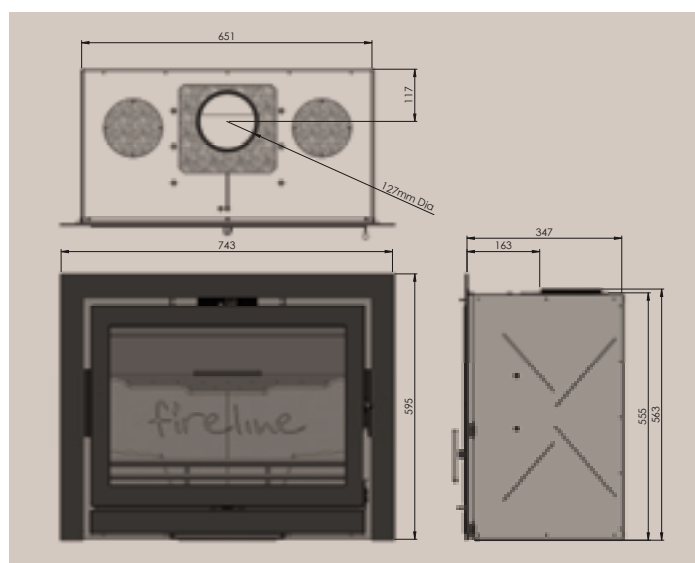
FPi5 4-sided\*



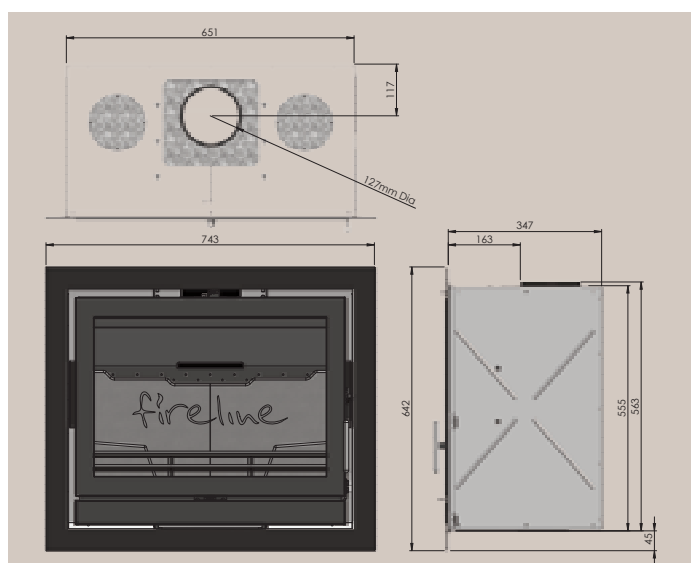
FPi5W 3-sided\*



FPi5W 4-sided\*



FPi8 3-sided\*



FPi8 4-sided\*

\*Optional three & four-sided trims are available in a wide format for the FPi5 and FPi5W models which adds 25mm to the frame border. The overall trim therefore increases by 50mm in width and height.

# FIRELINE STOVES RANGE – TECHNICAL DATA

MODEL	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8	Woodtec 5	Woodtec 5W	Woodtec 5WD	Woodtec 5XW
Fuel:	Wood/Solid Fuel	Wood/Solid Fuel	Wood/Solid Fuel	Wood/Solid Fuel	Wood/Solid Fuel	Wood/Solid Fuel	Wood/Solid Fuel	Wood	Wood	Wood	Wood
Flue:	Top/Rear	Top/Rear	Top/Rear	Top/Rear	Top (Inset)	Top (Inset)	Top (Inset)	Top/Rear	Top/Rear	Top/Rear	Top/Rear
Flue connector diameter:	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")	127mm (5")
Finish:	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black	Matt Black
Gross Weight (kg):	58	66	81	90	80	95	118	75	89	101	96
Efficiency (%):	81.8	81.7	80.8	81.1	81	78	78.4	81.1	80.2	80.5	81.2
Declared Nominal Output (kW):	4	5	5	8	5	5	8	5	5	5	5
Output Range (DEFRA test):	3.0-6.3	3.8-8.5	4.0-7.7	5.8-8.2	4.0-6.0	4.3-6.5	5.5-11.0	3.5-6.9	3.8-7.0	4.1-7.0	3.7-8.0
Flue Gas Mass Flow (g/s):	3.2	3.6	4.2	5.4	3.6	4.4	5.8	3.9	4.3	4.1	4.1
Nominal Flue Temperature (°C):	259	278	263	301	288	292	331	272	270	267	254
Maximum Log Length (mm):	300	300	375	375	300	395	540	300	400	400	450
Energy Labelling EEI Class:	A+	A+	A+	A+	A+	A	A	A+	A+	A+	A+
External Air Kit Option:	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes
Clearskies levels:	5	5	5	5	5	5	5	5	5	5	5

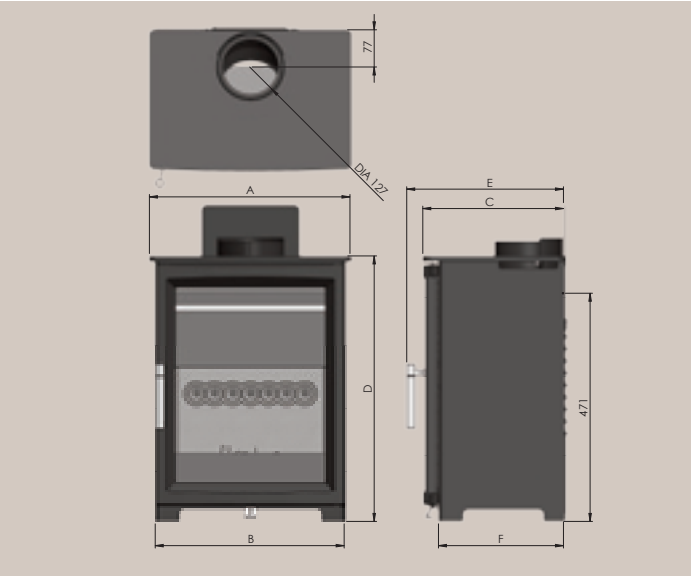
# SMOKELESS FUEL TECHNICAL DATA

MODEL	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8
Test Fuel	Maxibrite	Maxibrite	Maxibrite	Maxibrite	Ancit	Ancit	Ancit
Efficiency (%)	79.8	79.5	81.6	82.9	76.4	76.5	77
Declared Nominal Output (kW)	4	5	5	8	5	5	8
Flue Gas Mass Flow (g/s)	3.3	3.8	3.1	4.5	3.8	4.2	5.9
Flue Temp (Nominal)	270	294	298	311	275	253	297

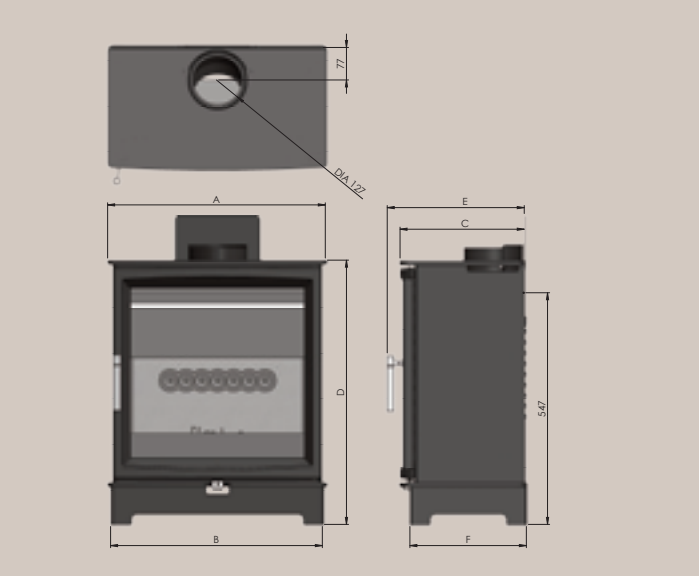


# Fireline Woodtec Stove Dimensions & Specifications

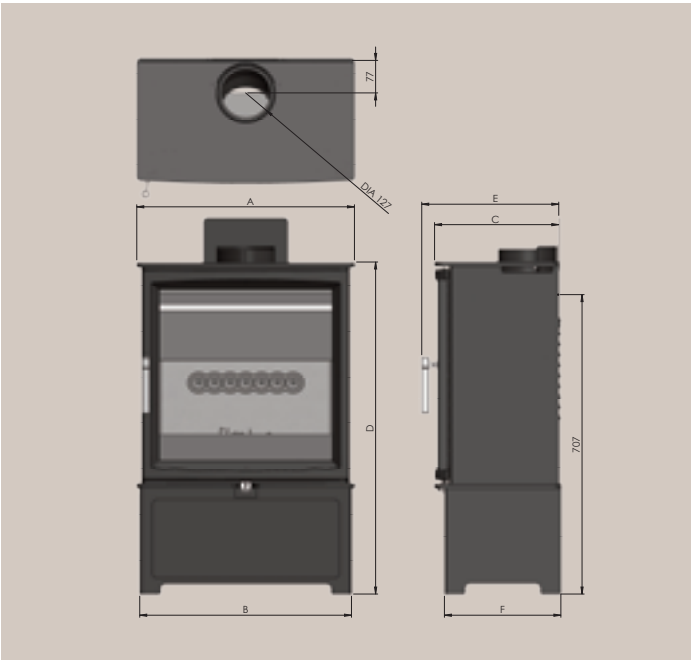
For dimensions A, B, C & D please see table opposite.



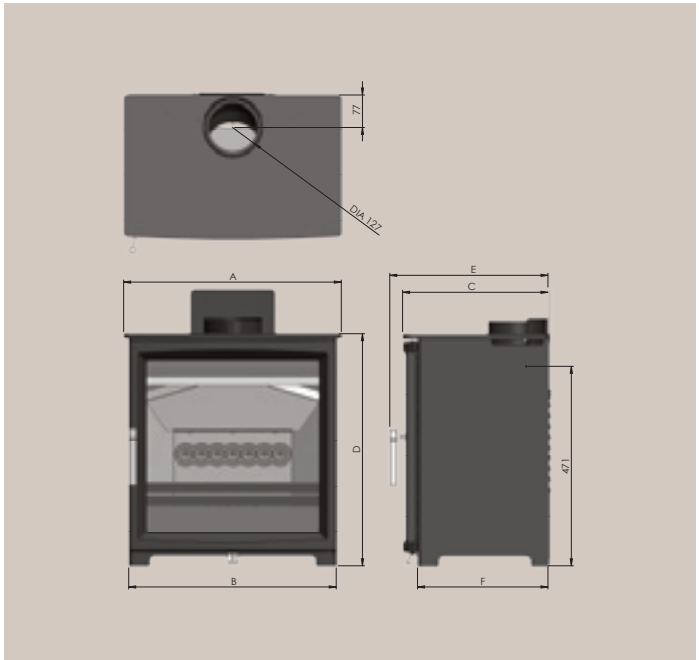
Woodtec 5 stove



Woodtec 5W stove on stand



Woodtec 5XW stove on log store



Woodtec 5WD stove



Dimensions (mm)	A	B	C	D	E	F
Woodtec 5	414	390	290	548	324	258
Woodtec 5W	514	490	293	548	324	258
Woodtec 5WD	514	490	343	548	374	308
Woodtec 5XW	564	540	295	548	324	258
Woodtec 5 on Stand	414	400	290	624	324	275
Woodtec 5W on Stand	514	500	343	624	324	275
Woodtec 5WD on Stand	514	500	343	624	374	325
Woodtec 5XW on Stand	564	550	295	624	324	275
Woodtec 5 on Logstore	414	400	290	784	324	275
Woodtec 5W on Logstore	514	500	293	784	324	275
Woodtec 5WD on Logstore	514	500	343	784	374	325
Woodtec 5XW on Logstore	564	550	295	784	324	275

Output Efficiency Ratings	Efficiency	EEl	Nominal Output	Typical Range	Clearskies Level	DEFRA Exempt
Woodtec 5	81.1%	A+	5kW	3.5-6.9kW	5	Yes
Woodtec 5W	80.2%	A+	5kW	3.8-7.0kW	5	Yes
Woodtec 5WD	80.5%	A+	5kW	4.1-7.0kW	5	Yes
Woodtec 5XW	81.2%	A+	5kW	3.7-8.0kW	5	Yes





# Fireline Stove Range

## Wood Burning

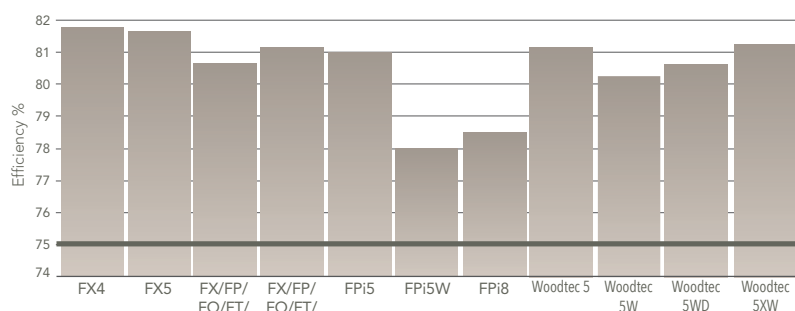
### – Technical Performance Details

Quality stoves are so much more than just a metal box at the bottom of the chimney. Considerable efforts are required to ensure that the stove can be thermally efficient and many further developments are required to make a stove fully clean burning. Stoves are often incorrectly considered 'clean burning' just because they have an airwash, but the hard truth is that even stoves with an airwash system and good thermal efficiency can be dirty burners. Fireline stoves are all both highly thermally efficient and genuinely clean burning with official SIA Ecodesign Ready and DEFRA exemption listing easily achieved on all models. By choosing and using C&J stoves, you can be assured that all environmental considerations are taken good care of. Some of the following measures demonstrate just how well our stoves burn wood.



## Total Efficiency to EN13240/13229

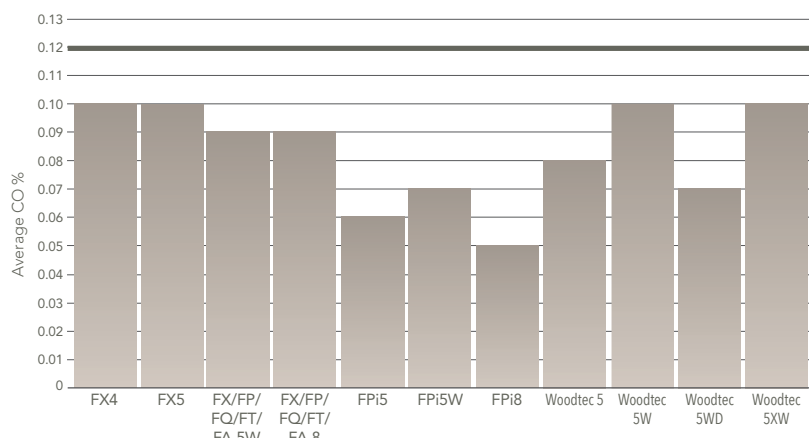
Total efficiency is the overall effectiveness of the stove in converting the kW content of fuel into heat that you will feel in your room. This must be measured by an independent test house to BS EN 13240 or 13229 to be comparable with other stoves. Total efficiency is not a measure of clean burning in any way. It is quite possible to have a stove with high thermal efficiency that burns with plenty of smoke, or a clean burning stove with low efficiency. However Fireline has worked especially hard to bring you a range of stoves that are both highly efficient and very clean burning. All our Fireline stoves far exceed the minimum efficiency required by Ecodesign 2022 as the graph shows.



	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8	Woodtec 5	Woodtec 5W	Woodtec 5WD	Woodtec 5XW
Efficiency %	81.8	81.7	80.8	81.1	81	78	78.4	81.1	80.2	80.5	81.2
Ecodesign Minimum LIMIT	75%										

## Carbon Monoxide (CO) Emissions

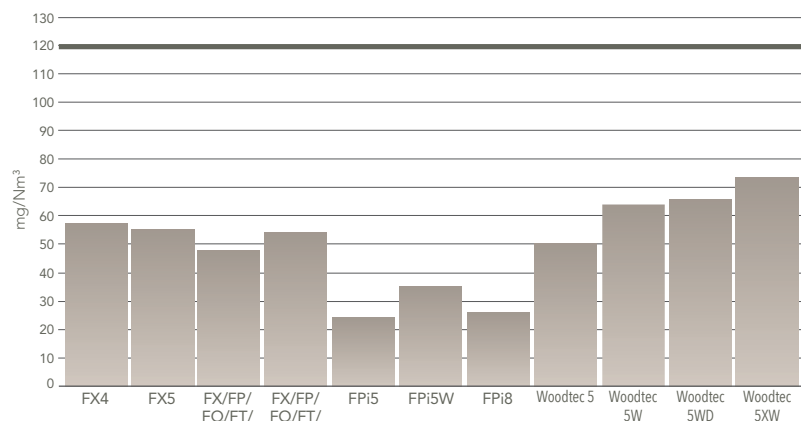
At present the UK limit for CO emissions is 1% but this is a very high threshold in reality. Some other EU countries and Ecodesign 2022 specify that the average shall not exceed 0.12% over the duration of 3 consecutive tests, a reduction of more than 88%. Bearing this in mind, C&J have worked tirelessly since 2013 to reduce CO emissions of all our stoves to within this 0.12% limit and this has been achieved with no stove producing more than 0.1% under accredited independent lab testing. In the adjacent graph you can see how our stoves exceed the Ecodesign 0.12% 2022 requirement already.



	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8	Woodtec 5	Woodtec 5W	Woodtec 5WD	Woodtec 5XW
Efficiency %	0.1	0.1	0.09	0.09	0.06	0.07	0.05	0.08	0.1	0.07	0.1
Ecodesign Maximum LIMIT	0.12%										

## Organic Gaseous Carbon (OGC) Emissions

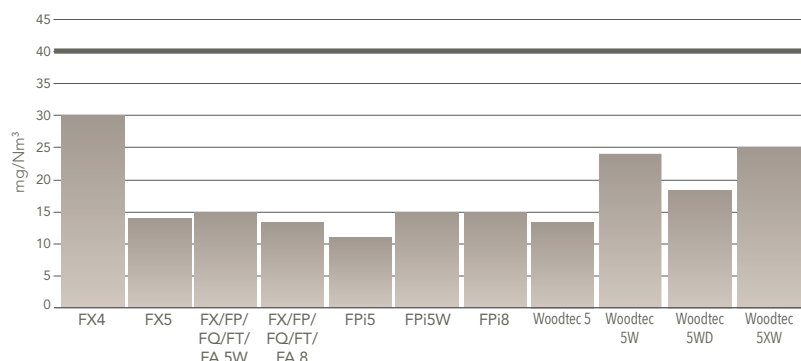
Organic Gaseous Carbon compounds are particles of unburned fuel and contribute to atmospheric pollution and associated human health concerns. Presently totally unregulated in the UK, OGC is to be governed at a maximum average of 200 mg/Nm<sup>3</sup> during 3 consecutive lab tests from 2022. Not content with waiting several more years for this to be imposed, all current C&J stoves exceed this very important requirement for wood burning by an average of 57% and no less than 86% for mineral fuels as the graph shows.



	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8	Woodtec 5	Woodtec 5W	Woodtec 5WD	Woodtec 5XW
OGC Emissions mg/Nm³	58	55	48	54	24	35	27	50	63	65	73
Ecodesign Maximum LIMIT	120 mg/Nm³										

## Particulate Matter (PM) Emissions

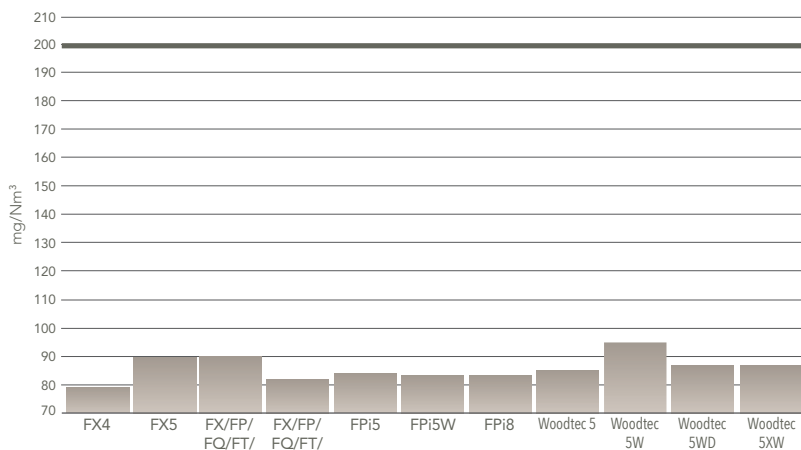
Measured by the EU leading DIN+ filter method, Particulate Matter includes microscopic soot, ash dust and fuel particles that can be carried out of the flue into the environment. Only regulated in UK DEFRA smoke control areas at the moment (which all Fireline stoves comply with of course), 2022 rules will impose a limit of 40 mg/Nm<sup>3</sup> that must not be exceeded during 3 consecutive lab tests. DEFRA testing extends PM testing to low rate burning using UK test methods and although the limits are higher than Ecodesign, the combined result of both PM regulations is a very clean burning stove indeed.



	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8	Woodtec 5	Woodtec 5W	Woodtec 5WD	Woodtec 5XW
PM Emissions mg/Nm³	30	14	15	13	11	15	15	13	24	18	25
Ecodesign Maximum LIMIT	40 mg/Nm³										

## NOx Emissions

Emissions of nitric oxide and nitrogen dioxide, known collectively as NOx, are monitored in the environment as part of worldwide air quality standards. Presently unregulated in the UK, Ecodesign imposes a 200 mg/Nm<sup>3</sup> limit on all solid fuel burners as the average of 3 consecutive tests in an accredited laboratory. Once again, not content to wait until new rules arrive in 2022, all C&J stoves exceed the performance requirements for NOx emissions convincingly as the graph demonstrates.



	FX4	FX5	FX/FP/FQ/FT/FA 5W	FX/FP/FQ/FT/FA 8	FPI5	FPI5W	FPI8	Woodtec 5	Woodtec 5W	Woodtec 5WD	Woodtec 5XW
Nox Emissions mg/Nm³	79	90	90	82	84	83	83	86	94	87	87
Ecodesign Maximum LIMIT	200 mg/Nm³										



# Fireline Stove Range

## Mineral Fuel Burning

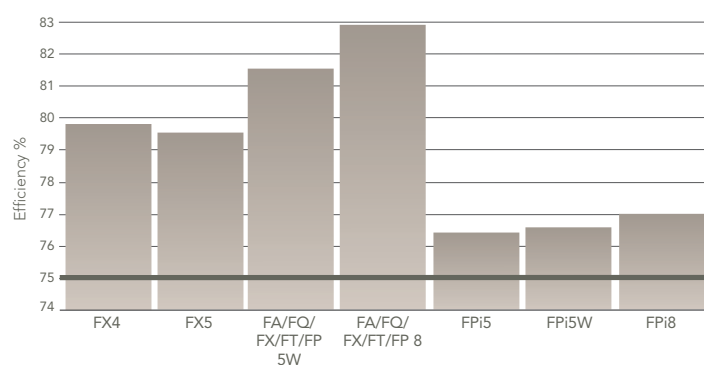
### – Technical Performance Details

Quality stoves are so much more than just a metal box at the bottom of the chimney. Considerable efforts are required to ensure that the stove can be thermally efficient and many further developments are required to make a stove fully clean burning. Stoves are often incorrectly considered 'clean burning' just because they have an airwash, but the hard truth is that even stoves with an airwash system and good thermal efficiency can be dirty burners. Fireline stoves are all both highly thermally efficient and genuinely clean burning with official SIA Ecodesign Ready and DEFRA exemption listing easily achieved on all models. By choosing and using C&J stoves you can be assured that all environmental considerations are taken good care of. When using mineral fuels, it is essential to use a DEFRA Approved fuel from a totally reputable source. Ecodesign 2022 rules apply to mineral fuels in the same way as wood logs and so as you would expect, C&J have tested and approved all their stoves to the future standards already. Some of the following measures demonstrate just how well our stoves burn mineral fuels.



## Total Efficiency to EN13240/13229

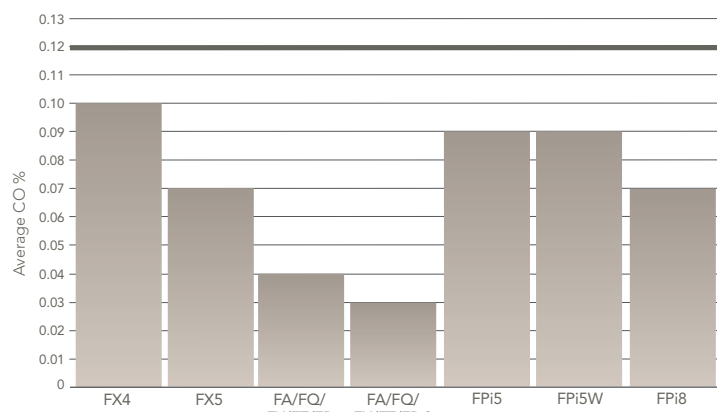
Total efficiency is the overall effectiveness of the stove in converting the kW content of fuel into heat that you will feel in your room. This must be measured by an independent test house to BS EN 13240 or 13229 to be comparable with other stoves. Total efficiency is not a measure of clean burning in any way. It is quite possible to have a stove with high thermal efficiency that burns with plenty of smoke, or a clean burning stove with low efficiency. However Fireline has worked especially hard to bring you a range of stoves that are both highly efficient and very clean burning. All our Fireline stoves far exceed the minimum efficiency required by Ecodesign 2022 as the graph shows.



	FX4	FX5	FA/FQ/ FX/FT/FP 5W	FA/FQ/ FX/FT/FP 8	FPI5	FPI5W	FPI8
Efficiency %	79.8	79.5	81.6	82.9	76.4	76.5	77
Ecodesign Minimum LIMIT	75%						

## Carbon Monoxide (CO) Emissions

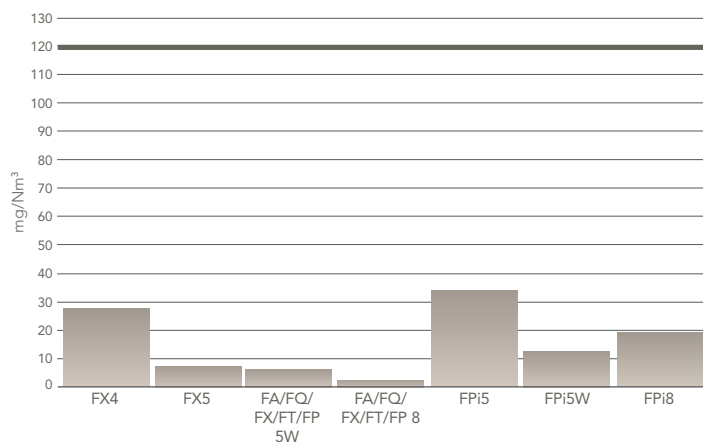
At present the UK limit for CO emissions is 1% but in reality this is a very high threshold. Some other EU countries and Ecodesign 2022 specify that the average shall not exceed 0.12% over the duration of 3 consecutive tests, a reduction of more than 88%. Bearing this in mind, C&J have worked tirelessly since 2013 to reduce CO emissions of all our stoves to within this 0.12% limit and this has been achieved with no stove producing more than 0.1% under accredited independent lab testing. In the adjacent graph you can see how well our stoves exceed the Ecodesign 2022 requirement already.



	FX4	FX5	FA/FQ/ FX/FT/FP 5W	FA/FQ/ FX/FT/FP 8	FPI5	FPI5W	FPI8
Average CO %	0.1	0.07	0.04	0.03	0.09	0.09	0.07
Ecodesign Maximum LIMIT	0.12%						

## Organic Gaseous Carbon (OGC) Emissions

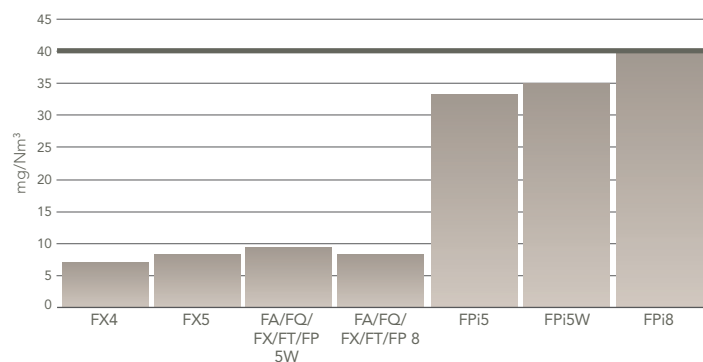
Organic Gaseous Carbon compounds are particles of unburned fuel and contribute to atmospheric pollution and associated human health concerns. Presently totally unregulated in the UK, OGC is to be governed at a maximum average of 200 mg/Nm<sup>3</sup> during 3 consecutive lab tests from 2022. Not content with waiting several more years for this to be imposed, all current C&J stoves exceed this very important requirement for solid fuel burning by an average of no less than 86% for as the graph shows.



	FX4	FX5	FA/FQ/FX/FT/FP 5W	FA/FQ/FX/FT/FP 8	FPI5	FPI5W	FPI8
OGC Emissions mg/Nm³	28	7	6	3	33	12	19
Ecodesign Maximum LIMIT	120 mg/Nm³						

## Particulate Matter (PM) Emissions

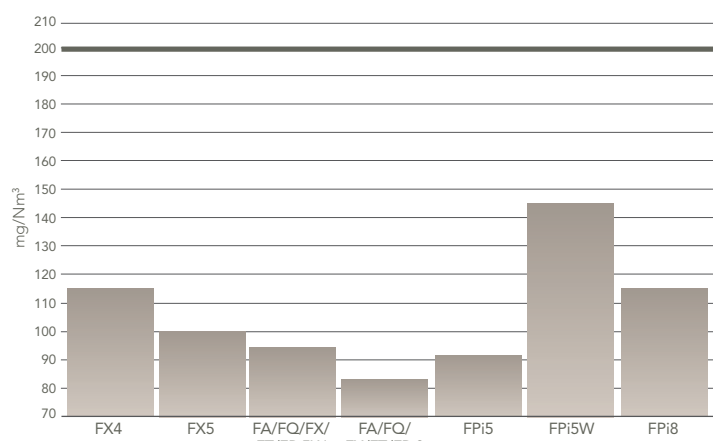
Measured by the EU leading DIN+ filter method, Particulate Matter includes microscopic soot, ash dust and fuel particles that can be carried out of the flue into the environment. Only regulated in UK DEFRA smoke control areas at the moment (which all Fireline stoves comply with of course), 2022 rules will impose a limit of 40 mg/Nm<sup>3</sup> that must not be exceeded during 3 consecutive lab tests. DEFRA testing extends PM testing to low rate burning using UK test methods and although the limits are higher than Ecodesign, the combined result of both PM regulations is a very clean burning stove indeed.



	FX4	FX5	FA/FQ/FX/FT/FP 5W	FA/FQ/FX/FT/FP 8	FPI5	FPI5W	FPI8
PM Emissions mg/Nm³	7	8	9	8	33	35	40
Ecodesign Maximum LIMIT	40 mg/Nm³						

## NOx Emissions

Emissions of nitric oxide and nitrogen dioxide, known collectively as NOx, are monitored in the environment as part of worldwide air quality standards. Presently unregulated in the UK, Ecodesign imposes a 200 mg/Nm<sup>3</sup> limit on all solid fuel burners as the average of 3 consecutive tests in an accredited laboratory. Once again, not content to wait until new rules arrive in 2022, every C&J stove already exceeds the performance requirements for NOx emissions convincingly as the graph demonstrates.



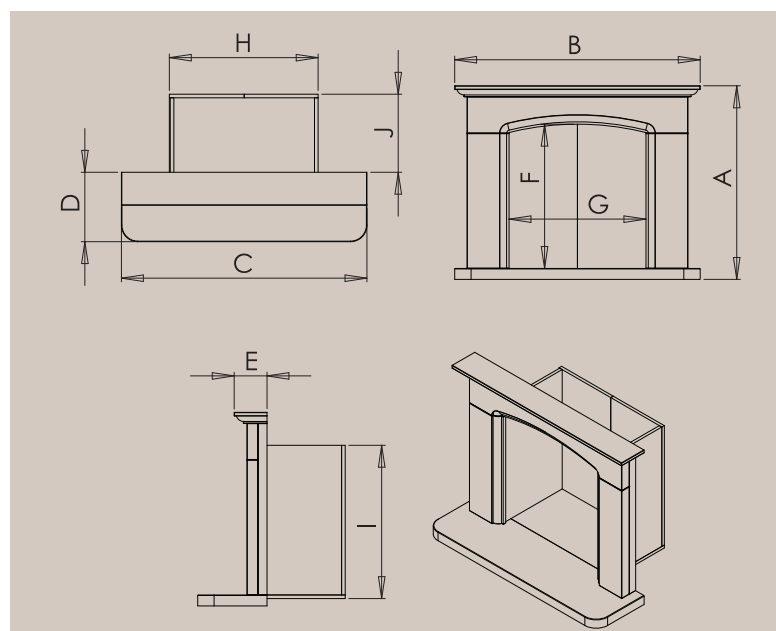
	FX4	FX5	FA/FQ/FX/FT/FP 5W	FA/FQ/FX/FT/FP 8	FPI5	FPI5W	FPI8
Nox Emissions mg/Nm³	115	100	93	83	91	144	115
Ecodesign Maximum LIMIT	200 mg/Nm³						



# Stove Packages

Throughout this brochure you will see wonderful examples of stoves in packages with fireplaces. Below are details of the stove packages that are shown in this brochure.

More are available; please speak to your authorised Fireline dealer for details. To find your nearest Fireline showroom use the store locator on our website.



## STOVE PACKAGES

<i>All measurements displayed in mm</i>	A	B	C	D	E	F	G	H	I	J
Aylesbury FQ5W Grey Slate Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Aylesbury FQ5W Rustic Slate Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Aylesbury FQ5W Limestone Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Berrington FQ5W Limestone Chamber Freestanding Stove Package	1,215	1,370	1,370	380	195	835	750	800	880	460
Aylesbury FX5W Grey Slate Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Aylesbury FX5W Rustic Slate Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Aylesbury FX5W Limestone Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Berrington FX5W Limestone Chamber Freestanding Stove Package	1,215	1,370	1,370	380	195	835	750	800	880	460
Berrington FP5W Limestone Chamber Freestanding Stove Package	1,215	1,370	1,370	380	195	835	750	800	880	460
Aylesbury FX8 Limestone Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Aylesbury FQ8 Grey Slate Chamber Freestanding Stove Package	1,160	1,370	1,370	410	220	837	810	900	850	362
Balmoral FQ8 Rustic Slate Chamber Freestanding Stove Package	1,110	1,320	1,320	378	215	830	900	955	935	378
Beckford FPi5 Black Granite Back Panel and Hearth Inset Stove Package	1,060	1,220	1,220	410	150	760	760	n/a	n/a	n/a
Aylesbury FPi5W All Limestone with three sided trim Inset Stove Package	1,160	1,370	1,370	410	220	837	810	n/a	n/a	n/a
Beckford FPi5W All Limestone with three sided trim Inset Stove Package	1,060	1,220	1,220	410	150	760	760	n/a	n/a	n/a



Aylesbury FPi5W inset stove package



Beckford FPi5 inset stove package



Berrington FP5W freestanding stove package



Aylesbury FQ5W freestanding stove package



Balmoral FQ8 freestanding stove package



# Charlton & Jenrick Company and Product Accreditations

Charlton & Jenrick have made a very substantial investment over the years in obtaining a wide range of accreditations and trade body memberships to ensure that we are consistently offering the best possible products and services to our customers. We not only manufacture appliances but we also put in huge behind-the-scenes efforts to ensure that we input to and keep abreast of impending legislation, standards, product performance and environmental requirements. Currently we subscribe and contribute to the following accreditations:



**The UKCA (UK Conformity Assessed) mark** is the new UK product mark that replaces the CE mark for products being placed on the market in Great Britain (England, Wales and Scotland). It covers most products that previously required the CE mark. All our fires comply to this new mark.



**SIA Ecodesign Ready** marking is an independent scheme run by the Stove Industry Alliance to verify and independently demonstrate that wood burning stoves already meet the strict requirements of the 2022 EU Ecodesign Directive for performance and emissions.



**HHIC, the Heating and Hot Water Information Council** is a trade body representing the UK gas fire industry. As part of the Energy and Utilities Alliance, within the HHIC we have an input into EU and UK standards committees, communicate with Government departments and keep abreast of serious issues affecting the gas fire industry.



**SIA, the Stove Industry Alliance** is the UK trade body for the solid fuel stove industry. C&J are members of the Executive Committee and currently chair the Technical Committee enabling input into UK and EU standards committees and lines of communication into Government departments and keeping up to date on a wide range of issues affecting the industry.



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[www.charltonandjenrick.co.uk](http://www.charltonandjenrick.co.uk)





**DEFRA exemption** is the mechanism where our wood burning stoves are checked and certified to comply with the Clean Air Act and therefore allowed to be used in smoke control zones throughout the UK. Involving a strict test programme and independent report, this is then thoroughly assessed by DEFRA advisors before being accepted.



**Gas Safe Register** is the mandatory national competent persons scheme to allow work on gas fittings and appliances in customers' homes. Our service and most of the sales team have completed the regular training courses and sit the regular exams to ensure our customers have the best support and service.



**ISO 9001** is the internationally recognised standard for Quality Management Systems which in our case includes the activity of product design and development as well as production, sale and support functions. Annual independent audits and certification ensure continued compliance in producing consistent quality products.



**ISO 14001** is the internationally recognised standard for Environmental Management Systems. Once again this independently audited and certified system makes sure that we are regularly monitoring and reviewing the impact of the business and its products to ensure we minimise negative impacts and promote best practice.



**ClearSkies** is a certification mark for Emissions and Energy Performance of domestic wood & solid fuel stoves and fireplaces. clearSkies ratings, namely the certification levels, will show appliances that meet defined emissions and efficiency thresholds that exceed the minimum requirements set by the ecodesign regulation.

**CE marking** of products is mandatory for electric fires and stoves in Europe. We always invest in independent testing and certification to ensure our products meet all necessary requirements for the regions we operate in.

Please note: Our policy is one of constant development and improvement. We therefore reserve the right to revise the specification and design of our stoves without formal notice. This leaflet is presented as a guide to aid in your decision and does not replace the need for technical assessment by your dealer. While the utmost care was taken in the preparation of this brochure, it is not intended to replace the installation manual which provides more detailed information. Photography is for illustration purposes only and does not replace the need to see the stove in a showroom. We accept no liability for any loss or damage arising either directly or indirectly from the use of this brochure. **All designs in this brochure are design or copyright registered. Fireline, without exception, will take action against any infringements of its designs.**



fireline™



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