

ALPHA
CLEAN BURN
STOVES

The
ALPHA
Collection



Winter Friendly Heat!





ALPHA I	AL905-SE
EFFICIENCY	84.3%
HEAT TO ROOM	5.0kW

ALPHA STOVES

THE BETTER HEAT CHOICE



ALPHA – NATURALLY THE BEST HEAT CHOICE

Choosing an Alpha stove is one of the best decisions a householder can make to do their bit for the environment – and one that pays pleasurable dividends when it comes to totting up the costs to heat your home at the end of a long, cold and miserable Winter.

Wood is an essentially carbon neutral and renewable fuel and when woodland is properly managed it can produce more than enough wood for every stove owner in the UK and Ireland. Managed woodland creates a healthier habitat for our wildlife and for us to enjoy. But don't just take our word for it, ask the Woodland Trust who campaign to protect our trees and believe that wood burners have an important role to play in woodland economics.

With efficiencies of up to 84.3% your wood fuel will deliver you more heat and last a lot longer in an Alpha stove too.

ALPHA – THE CLEANER BURNING CHOICE

Alpha give you a choice of six highly efficient wood burners – two of which have passed the rigorous clean burn tests needed to be officially listed by Defra (the Department for Environment, Food and Rural Affairs) as Smoke Exempted Appliances. This means that in these Alpha stoves you can legally burn

wood in a Smoke Control Area, a designation which applies to most of the UK's cities and towns.

Even if you live in the heart of the countryside, when you install an Alpha stove you too can be sure that you have made the right choice for your home and the environment, because Alpha stoves are simply amongst the very cleanest burning radiant stoves available today. Remember too, you can also burn smokeless coal in an Alpha, wherever you live.

ALPHA – THE BETTER BUILT CHOICE

If you're reading this brochure, then you're probably well on the way to deciding that a stove is the right heat choice for you. So over the next few pages we hope to make choosing an Alpha the obvious choice. For a start, there's our practical range of heat outputs, our two inset stoves (so that you can retain a much-loved fire surround) and our two central heating boiler stoves. All of them incorporating the best available premium quality materials and components.

Alpha stoves also feature the finest quality cast iron lids and doors and heavy duty steel bodies precision-welded by robots and, like our individually pressure-tested boilers, they're built to last. They're also designed with easy maintenance in mind and with readily available Alpha spares amongst the very lowest priced components from any stove manufacturer you can be comfortable in the knowledge that whichever Alpha stove you choose you won't buy a better built or better burning stove for the same money.



ALPHA CLEAN BURN STOVES



▲ THE ALPHA I 5.0kW

DEFRA APPROVED MULTI FUEL STOVE

Since its successful launch in 2011, the Alpha I multi fuel and wood burning stove has set new standards for the traditionally styled small radiant stove in terms of its excellent performance and value for money.

With its clean burning pre-heated tertiary air, its outstanding 84.3% efficiency and its superior cast iron and precision engineered premium steel bodywork, you'd be hard pushed to find a better value 5kW stove – even for twice the money.

As an officially listed Defra Smoke Exempt Appliance you'll be able to burn wood legally in a UK Smoke Control Area (as well as approved smokeless coal) – and you'll also be burning a lot less of it too because of the Alpha's class-leading efficiency and excellent controllability.

With the Alpha's Five Year Guarantee and easy-to-maintain construction, we're confident that you'll be enjoying the home comforts and benefits of cheap abundant heat for many, many years to come.

THE ALPHA I, ALPHA II & ALPHA III FIVE-STAR FEATURES

★ Clean Burn Combustion System

The Alpha's pre-heated Secondary and Tertiary combustion air flow maximises burn efficiency and reduces particulate emissions, such as soot, for the cleanest operation. Uniquely, our Tertiary Air is introduced to the fire chamber through jets in a cast iron back plate which allows it to stay hot long after the fuel load has burned down thus maintaining heat in the fire chamber to promote cleaner burning and cleaner glass even at the end of the heat cycle.

★ Airwash Glass Cleaning System

The Alpha Airwash system helps to keep the glass clean by sending pre-heated Secondary combustion air across the Alpha's big picture window to wash any unburned dry particulates back into the fire chamber for re-combusting.

Pre-heated Tertiary Air jets within the cast iron back plate, which takes the place of the rear fire brick, and the vermiculite heat-deflecting side panels ensure that the fire chamber stays as hot as possible for maximum efficiency and improved cleaner burning as well as cleaner glass.

★ Efficient Multi Fuel Operation

The Alpha features an open grate which can easily allow mineral fuel ash to be riddled and deposited in the full-width ash pan below. However, when required it will also permit a sufficient bed of wood embers and ash to be built up which is essential for effective and efficient wood burning. Primary and Secondary air controls allow you to precisely deliver the correct type of combustion air depending on your choice of wood or mineral fuels.

★ Totally controllable heat

Highly responsive controls for Primary Air (air delivered from under the grate for burning mineral fuels) and pre-heated Secondary Air (air delivered from above the grate for burning wood), make it easier for you to set the fuel burn rate to effectively prolong the life of the fuel load and maximise fuel economy.

★ Long Life Premium Build Quality

UK designed and UK CE tested (except Alpha II, tested in Holland), the precision engineered and robot-welded steel bodywork, superior F-type detailed castings and premium quality components (from companies such as Forest Paint of USA and Schott Glass of Germany) ensure that Alpha stoves will continue to provide pleasurable heat for many years to come.

Alpha stoves are also designed with the minimum number of parts which are also simple to replace. Our spares are amongst the lowest priced components available from any stove manufacturer, making it easier and cheaper to keep your Alpha clean burn stove operating just like new.

The better burning Wood Burner

ALPHA II	AL907-SE
EFFICIENCY	78.0%
HEAT TO ROOM	8.0kW



ALPHA CLEAN BURN STOVES

ALPHA III AL910

EFFICIENCY 80.3%

HEAT TO ROOM 10kW



With advanced combustion systems

THE ALPHA II 8.0kW DEFRA APPROVED MULTI FUEL STOVE

The medium-sized Alpha II has always been a popular choice for urban homeowners looking for a 'Defra Approved' stove with a strong visual presence – but without breaking the bank.

The Alpha's Clean Burn Combustion System was developed for us by a US Environmental Protection Agency (EPA) laboratory and incorporates pre-heated Tertiary Air delivered through a series of jets at the top of the fire chamber and just where the flue gas would normally exit through the flueway. This provides a fresh supply of hot combustion air which allows any remaining particulates from the first burn to re-combust so that smoke and emissions are further reduced. This also increases the stove's efficiency with additional heat output and ensures that very little of your fuel is wasted.

As an officially listed Defra Smoke Exempt Appliance you'll be able to burn wood legally in a UK Smoke Control Area, as well as approved smokeless coal.

THE ALPHA III 10.0 kW MULTI FUEL STOVE

This is the largest free-standing stove in the Alpha Collection (see main photo left) and delivers a powerful 10.0kW of heat output to warm even the largest of living rooms on the coldest of winter days.

The clean burn Alpha III offers you effective multi fuel and wood burning operation with high efficiencies to maximum your fuel economy – very important with a big stove.

Generously proportioned, the classic good looks and large arched picture window make it the ideal choice for the imposing fireplace or inglenook typical of the Victorian or Edwardian home and where the rooms are big enough to cope with the Alpha III's abundant heat.

Unusually for a large traditional looking stove the Alpha III features state-of-the-art pre-heated Tertiary Air as part of its totally controllable Clean Burn Combustion System which is designed to reduce the production of sooty emissions and help keep the glass and flue system much cleaner.

Trees help keep our earth cooler because they absorb Carbon Dioxide (CO₂), a major greenhouse gas. Trees remove this from the air, store it and, through photosynthesis, turn it into fresh Oxygen.



ALPHA INSET STOVES

ALPHA INSET AL357i

EFFICIENCY 75.2%

HEAT TO ROOM 4.9kW



Efficiency with built-in convenience.

THE ALPHA INSET 4.9kW MULTI FUEL STOVE

The Alpha Inset stove has been designed to make it easy to install within a standard fireplace opening, which is approximately 400mm (16") wide by 550mm (22") high, without removing any existing pre-formed fireback or throat lintel. This allows an original feature fire surround to be retained – provided it is suitable for use with a stove. The Alpha Inset will also be three or four times more efficient to operate than a typical open fire and will provide you with much greater control over your fuel consumption, thus considerably reducing your running costs.

THE ALPHA INSET BOILER 12.6kW* MULTI FUEL STOVE (HETAS APPROVED)

Concealed behind the beautiful lines of the traditionally styled Alpha Inset Boiler stove, with its craftsman's attention to quality and detail, is one of the most efficient inset boilers that your money could buy.

The Alpha Inset Boiler has been designed to fit within a standard fireplace opening once the pre-formed fireback and throat lintel have been removed. There's enough heat output from the thermostatically controlled 12.6kW Alpha to power eight radiators (depending upon size) and all the domestic hot water you could fill a bath with, making it the natural choice for anyone who wants to replace an old back boiler or inefficient open fire.

With the Alpha's class-leading 80% plus efficiency your fuel will go a lot further and because the Alpha's price is highly competitive buying, the Alpha won't break the bank either.

ALPHA 357i-B Inset Boiler Stove Total 12.3kW when burning wood logs	EFFICIENCY	80.2%
	HEAT TO ROOM	4.8kW
	HEAT TO WATER	7.5kW
	RADIATORS	EIGHT

12.6kW* mineral fuels / 12.3kW wood logs

ALPHA INSETS' FIVE-STAR FEATURES

★ Clean Burn Combustion System

Pre-heated Secondary Air flow maximises burn efficiency and reduces particulate emissions for the cleanest operation.

★ Airwash Glass Cleaning System

The Alpha Airwash system helps to keep the glass clean by washing pre-heated air across the Alpha's big picture window.

★ Efficient Multi Fuel Operation

The Alpha features an open grate which can easily allow mineral fuel ash to be riddled and deposited in the full-width ash pan below. However, when required it will also permit a sufficient bed of wood embers and ash to build up which is so important for effective wood burning.

★ Totally controllable heat

Highly responsive controls for Primary Air (air delivered from under the grate for burning mineral fuels) and pre-heated Secondary Air (air delivered from above the grate for burning wood), combined with the Thermostatic Control (inset boiler only) make it easier for you to set the ideal heat output and to effectively prolong the life of the fuel load and maximise your fuel economy.

★ Long Life Premium Build Quality

UK designed and CE tested, the precision engineered and robot-welded steel bodywork, superior F-type detailed castings and premium quality components (from companies such as Forest Paint of USA and Schott Glass of Germany) ensure that Alpha insets and inset boiler stoves will not only exceed the expectations of today's discerning stove owner but will also continue to provide pleasurable heat throughout the home for many years to come. Each inset boiler is individually pressure tested – twice, prior to being fitted to the stove and is also covered under Alpha's 5 Year Guarantee.



ALPHA BOILER STOVES

Alpha Offer you a choice of two practical multi fuel boiler stoves – the Alpha Inset Boiler (for details see overleaf) and the big ‘family sized’ Alpha III-B Boiler Stove.

THE ALPHA III-B BOILER 15.1kW* MULTI FUEL BOILER STOVE

This impressive looking and highly efficient boiler stove generates a total heat output of 15.1kW when burning wood. It delivers a generous 9.4kW to the water system, enough to power 10 radiators (depending on size) as well as your domestic hot water. This makes the Alpha III Boiler the ideal choice for the average and larger home.

The Alpha III Boiler is made by the same people who produce Ireland’s best selling Aidan® boiler stove, so ‘tried, tested and trusted’ are all part of the package which also includes our five year bodywork and boiler guarantee for complete peace-of-mind.

Importantly, the Alpha III Boiler features an easy to remove decorative cast iron stove lid which, accesses the full width fire chamber inspection plate. Along with the Alpha’s easy to remove baffle plate, this allows simple and complete access to the flueway just above the integral wrap-around boiler for regular cleaning which is critical for the safe and efficient operation of any boiler stove. This would normally be difficult to do on other boiler stoves without disconnecting the flue pipe itself.

Packed full of features, including its modest price, you’d be hard pushed to find a stove with a similar output offering this much value for money.

ALPHA III-B Boiler Stove Total 15.1kW when burning wood logs	EFFICIENCY	74.3%
	HEAT TO ROOM	5.7kW
	HEAT TO WATER	9.4kW
	RADIATORS	TEN

12.1kW* mineral fuels / 15.1kW wood logs



ALPHA BOILERS’ FIVE-STAR FEATURES

★ Clean Burn Combustion System

Pre-heated Secondary Air flow maximises burn efficiency and reduces particulate emissions for the cleanest operation

★ Airwash Glass Cleaning System

The Alpha Airwash system helps to keep the glass clean by washing pre-heated air across the Alpha’s big picture window

★ Efficient Multi Fuel Operation

The Alpha features an open grate which can easily allow mineral fuel ash to be riddled and deposited in the full-width ash pan below. However, when required it will also permit a sufficient bed of wood embers and ash to build up which is so important for effective wood burning

★ Totally controllable heat

Highly responsive controls for Primary Air (air delivered from under the grate for burning mineral fuels) and pre-heated Secondary Air (air delivered from above the grate for burning wood), combined with the Thermostatic Control make it easier for you to set the ideal heat output and to effectively prolong the life of the fuel load and maximise your fuel economy

★ Long Life Premium Build Quality

UK designed and CE tested, the precision engineered and robot-welded steel bodywork, superior F-type detailed castings and premium quality components (from companies such as Forest Paint of USA and Schott Glass of Germany) ensure that Alpha boiler stoves will not only exceed the expectations of today’s discerning stove owner but will also continue to provide pleasurable heat throughout the home for many years to come. Each boiler is individually pressure tested – twice, prior to being fitted to the stove and is also covered under Alpha’s 5 Year Guarantee.

The better built Boiler Stove



ALPHA III BOILER AL910-B

EFFICIENCY 74.3%

HEAT TO ROOM 5.7kW

HEAT TO WATER 9.4kW

RADIATORS TEN

ALPHA CLEAN BURN STOVES

The
ALPHA
Collection

Alpha at-a-glance

FREE-STANDING CLEAN BURN STOVES

Name	Model	Enamel	Effic'	Weight	Log	Flue	Dimensions mm	Water	Room
Alpha I	AL905-SE	N / A	84.3%	79kg	250	125mm T & R	H605 W445 D401	N / A	4.9 kW
Alpha II	AL907-SE	N / A	78.0%	119kg	350	150mm T & R	H740 W535 D440	N / A	8.0 kW
Alpha III	AL910	N / A	80.3%	140kg	400	150mm T & R	H735 W610 D480	N / A	10.0 kW

DEFRA SMOKE EXEMPT STOVES

Name	Model	Enamel	Effic'	Weight	Log	Flue	Dimensions mm	Water	Room
Alpha I	AL905-SE	N / A	84.3%	79kg	250	125mm T & R	H605 W445 D401	N / A	4.9 kW
Alpha II	AL907-SE	N / A	78.0%	119kg	350	150mm T & R	H740 W535 D440	N / A	8.0 kW

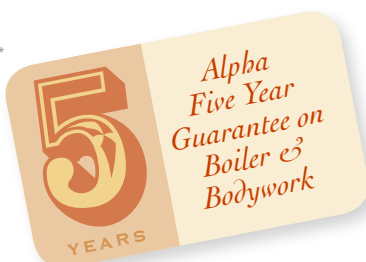
INSET STOVES

Name	Model	Enamel	Effic'	Weight	Log	Flue Diameter	Dimensions mm	Water	Room
Alpha Inset	AL357i	●	75.2%	90kg	250	150mm Top only	H7605 W490 D270	N / A	4.9kW
Alpha Inset Boiler	AL357i-B	●	80.2%	100kg	250	150mm Top only	H7605 W490 D407	7.5kW	4.8kW

BOILER STOVES

Name	Model	Enamel	Effic'	Weight	Log	Flue Diameter	Dimensions mm	Water	Room
Alpha Inset Boiler	AL357i-B	●	80.2%	100kg	250	150mm Top only	H605 W490 D407	7.5kW	4.8kW
Alpha III Boiler	AL910-B	N / A	74.3%	160kg	400	150mm T & R	H735 W610 D545	9.4 kW	5.7kW

KEY ● stands for black enamel option. **Effic'** stands for Net Efficiency. **Log** stands for the recommended log length in mm and allows a safe space at either end of the log – it is not a maximum length. **Weight** stands for the unpacked weight of the stove. **Flue Dia'** stands for the standard flue outlet size (5" or 6"). **T** stands for top flue outlet and **R** for rear flue outlet. **Dimensions** are the overall dimensions – detailed dimensions can be downloaded from www.hi-flame.com. **Room** stands for nominal heat output to the room and **Water** for nominal heat output to the water, both derived from CE Tests when burning wood. All stoves have been CE tested to the applicable EN13240 and EN13229 standards in the United Kingdom by Kiwa GasTec (except AL907 tested by SGS in Holland). CPR compliant stoves: Efficiency and output data shown in this brochure, including product CE Test Certification, has been independently verified by the Sustainable Energy Authority of Ireland (SEAI) and is listed on the Irish Government's HARP database. *Model HF357i-B is a Hetas Approved Appliance.



Alpha Multi Fuel Stoves

Holmes Chapel Business Park, Holmes Chapel, Cheshire CW4 8AF, UK. www.hi-flame.com

