

ALPHA CLEAN BURN STOVES

The
ALPHA
Collection



Winter Friendly Heat!



ALPHA CLEAN BURN STOVES

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 of heating 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 cheap heat and last a lot longer in an Alpha clean burn stove.

ALPHA – THE CLEANER BURNING CHOICE

Alpha give you a choice of six highly efficient wood burning and multi fuel stoves. The Alpha 1 and Alpha II have not only passed the rigorous clean burn tests needed to be approved by Defra (the UK's Department for Environment, Food and Rural Affairs) as Smoke Exempted Appliances allowing you to burn wood in urban areas, but also meet

the even tougher 2022 European-wide Ecodesign limits on a much wider range of unwanted emissions including, for the first time, NOx. This is aimed at significantly improving air quality and ensures that stoves which carry the *Ecodesign Ready* label are the most environmentally friendly stoves currently available.



ALPHA – THERE'S ONE THAT'S JUST RIGHT FOR YOU...

THE BETTER HEAT CHOICE

So whether you live in the town or the countryside when you install an Alpha stove you can be sure that you have made the right choice for both your home and your 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



...AS WELL AS RIGHT FOR YOUR HOME

for you. So over the next few pages we hope to make choosing an Alpha the obvious choice. For a start, there's the practical range of heat outputs on our three free-standing stoves, 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 triple 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 – THE LONGER LASTING CHOICE

The precision engineered heavy duty steel bodywork, superior F-type detailed castings and premium quality components all ensure that your new Alpha stove will continue to provide you with pleasurable heat for many years to come – guaranteed up to 5 years.*

THE ALPHA INSET
MULTI FUEL STOVE



THE ALPHA INSET MULTI FUEL STOVE

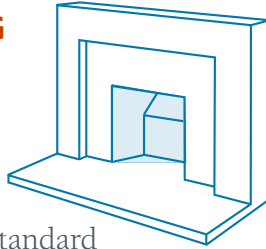
4.9 kW



EASIER FITTING

The Alpha Inset stove has been designed to make it easy to install within a standard fireplace opening, without removing any existing pre-formed fireback. This allows a much loved original feature fire surround to be retained – provided it is non-combustible and suitable for use with a multi fuel stove.

Gloss Black Enamel option available.



THE ALPHA INSET FEATURES AND BENEFITS

75.2% Net Efficiency (Wood)

- Hetas Approved Appliance for complete peace of mind
- Sustainable Energy Authority of Ireland (SEAI) verified data
- Top only 150 mm (6") flue outlet with easy-fit cast iron flexible liner collar
- Designed to fit inside existing standard fireplace opening with the minimum amount of work
- Easily takes logs up to 250 mm (10") long
- CE EN13229 tested in the United Kingdom
- Approx overall dimensions (mm) Fascia: H610 W490 D95
Recessed firebox: H515 W380 D175
- Stove net weight 83kg approx

The Alpha Inset Features

- Pre-heated Secondary Airwash system for clear glass
- Primary Air Control for mineral fuel burning
- Premium cast iron multi fuel open grate
- Robot welded heavy duty steel fire chamber bodywork with premium quality cast iron back plate and side cheeks
- Premium quality heat-resistant cast iron fascia frame and cast iron door

The Alpha Inset Options

- Optional Gloss Black enamel finish
- Up to 10 radiator / 13.2kW output multi fuel central heating inset boiler stove option available (model AL357i-B)

◀ *Gloss Black Enamel finish option (also available AL357i-B)*

THE ALPHA I MULTI FUEL STOVE



The Defra approved Alpha I multi fuel and wood burning stove has set new standards for the traditionally styled small 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 Hetas approved 5.0kW stove – even for twice the money. There's an optional External Air Kit and a stylish practical Store Stand. See Store Stand (LS) option overleaf.

5 kW

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AIR

defra

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Verified

HETAS APPROVED

THE ALPHA I FEATURES AND BENEFITS



84.3% Net Efficiency (Wood)

- CE EN13240 tested in the United Kingdom
- Hetas Approved Appliance for complete peace of mind
- Officially listed Defra Smoke Exempt Stove, also suitable for burning smokeless coal in Smoke Control Areas
- Sustainable Energy Authority of Ireland (SEAI) verified data
- Top or rear 125 mm (5") flue outlet option
- Easily takes logs up to 250 mm (10") long
- No dedicated air vent' required in pre-2008 houses (subject to building regulations)
- Suitable for 12 mm hearth (subject to building regulations)
- Approx overall dimensions (mm) H590 (LS727) W445 D425
- Stove net weight 79kg approx (with Store Stand 85kg)

The Alpha I Features

- Pre-heated Secondary Airwash system for clear glass
- Pre-heated Tertiary Air for even cleaner burning
- Primary Air Control for mineral fuel burning
- Premium cast iron multi fuel open grate
- Robot welded heavy duty steel bodywork
- Premium F-type cast iron lid, back plate heat sink and door

The Alpha I Options

- Optional Direct Air Kit (subject to building regulations and spillage tests) helps eliminate cold drafts
- Optional practical Store Stand (LS) – see overleaf
Adds 137 mm approx to height (overall height 727 mm)

THE ALPHA I
MULTI FUEL STOVE



THE ALPHA II
MULTI FUEL STOVE



THE ALPHA II MULTI FUEL STOVE

8 kW



An excellent medium-sized stove which makes it perfect for an older house or for a larger than average living room where its 8.0kW heat output will help quickly fill the space. The Defra and Hetas approved Alpha II has a wealth of top-line features including pre-heated secondary and tertiary air to make it much cleaner burning and to also improve efficiency. There's an optional External Air Kit and a stylish practical store stand (pictured below).



THE ALPHA II FEATURES AND BENEFITS



78.0% Net Efficiency (Wood)

- Hetas Approved Appliance for complete peace of mind
- Officially listed Defra Smoke Exempt Stove, also suitable for burning smokeless coal in Smoke Control Areas
- Sustainable Energy Authority of Ireland (SEAI) verified data
- Top or rear 150 mm (6") flue outlet option
- Easily takes logs up to 350 mm (14") long
- Suitable for 12 mm hearth (subject to building regulations)
- CE EN13240 / DIN+ tested in Holland
- Approx overall dimensions (mm) H730 (LS888) W535 D440
- Stove net weight 119kg approx (with Store Stand 128kg)

The Alpha II Features

- Pre-heated Secondary Airwash system for clear glass
- Pre-heated Tertiary Air for even cleaner burning
- Primary Air Control for mineral fuel burning
- Premium cast iron multi fuel open grate
- Robot welded heavy duty steel bodywork
- Long lasting premium cast iron lid, fire chamber back plate / heat sink and door

The Alpha II Options

- Optional Direct Air Kit (subject to building regulations and spillage tests) helps eliminate cold drafts
- Optional practical Store Stand (LS) adds 158 mm approx to height (overall height 888 mm)

◀ Store Stand option available for Alpha I and Alpha II (shown)

THE ALPHA III MULTI FUEL STOVE



The largest free-standing stove in the Alpha Collection, the Alpha III delivers a powerful 10.0kW of heat output when burning wood logs and 11.7kW when burning smokeless mineral fuel. It offers you effective multi fuel and wood burning operation with high efficiencies (thanks to its pre-heated Tertiary Air) to maximise your fuel economy – essential with a big stove and big fuel load. The Alpha III is 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.

10kW



THE ALPHA III FEATURES AND BENEFITS

80.3% Net Efficiency (Wood)

- 10.0kW output (wood) and 11.7kW (smokeless mineral fuel)
- Sustainable Energy Authority of Ireland (SEAI) verified data
- CE EN13240 tested in the United Kingdom
- Top or rear 125 mm (6") flue outlet option
- Easily takes logs up to 400 mm (16") long
- Approx overall dimensions (mm) H735 W605 D494
- Stove net weight 140kg approx

The Alpha III Features

- Single door for safety and ease of operation with user-friendly clamp-closed door handle
- Pre-heated Secondary Airwash system for clear glass
- Pre-heated Tertiary Air for even cleaner burning and maximum fuel efficiency
- Primary Air Control for mineral fuel burning
- Premium cast iron multi fuel open grate
- Robot welded heavy duty steel bodywork
- Long lasting premium cast iron lid, fire chamber back plate heat sink and door

The Alpha III Options

- Optional Direct Air Kit (subject to building regulations and spillage tests) helps eliminate cold drafts
- Up to 12 radiator / 15.6kW output multi fuel central heating boiler option available (model AL910-B)

THE ALPHA III
MULTI FUEL STOVE



ALPHA INSET BOILER
MULTI FUEL BOILER



ALPHA INSET BOILER MULTI FUEL BOILER

up to **5.0** kW
to room

up to **9.2** kW
to water



If you want to recreate the focal point that a traditional fireplace and living flame brings to a room or you just simply want to replace an old back boiler, then the Alpha Inset Boiler makes the ideal choice. Its big picture window ensures that you still get a great view of the fire and its airwash system ensures that it stays that way. With CE tested efficiency of 80.2% and generous heat output to power up to 10 radiators, plus heat a good-sized living room, as well as provide all your hot water, we think that the Alpha is not only an efficient and effective, choice but also looks pretty great too.



THE ALPHA INSET BOILER FEATURES AND BENEFITS

80.2% Net Efficiency (Wood)

- Up to 5.0kW heat output to room and up to 9.2kW to water
- Hetas Approved Appliance for complete peace of mind
- Sustainable Energy Authority of Ireland (SEAI) verified data
- CE EN13229 tested in the United Kingdom
- Top only 150 mm (6") flue outlet with easy-fit cast iron flexible liner collar
- Easily takes logs up to 250 mm (10") long
- Approx overall dimensions (mm) Fascia: H610 W490 D94
Recessed firebox: H525 W390 D320
- Stove net weight 109kg approx

The Alpha Inset Boiler Features

- Integrated boiler individually pressure tested
- Five year extended warranty on boiler and stove
- Thermostat for improved comfort control
- 2 x 2" BSP (28 mm) ports (2 on each side) for flexible connection
- Simple flueway cleaning access
- Pre-heated Secondary Airwash system for clear glass
- Primary Air Control for mineral fuel burning
- Premium cast iron multi fuel open grate
- Robot welded heavy duty steel bodywork
- Long lasting premium quality cast iron lid and door

The Alpha Inset Boiler Options

- Optional Gloss Black enamel finish
- Non-boiler option available (model AL357i-B)

THE ALPHA III-B MULTI FUEL BOILER

up to
5.9 kW
to room

up to
9.7 kW
to water



This impressive looking and highly efficient boiler stove generates a heat output of up to 15.6kW when burning wood. It delivers up to 9.7kW to the water system, enough to power up to 12 radiators (depending upon size) as well as provide all of your domestic hot water. This makes the Alpha III Boiler the ideal choice for the average and larger family home. The Alpha III Boiler is made by the same people who produce Ireland's best-selling Aidan® boiler stove, so rest assured that 'tried, tested and trusted' are also all part of the Alpha package.

THE ALPHA III BOILER FEATURES AND BENEFITS

Net Efficiency up to 75.5% (Wood)

- Up to 5.9kW heat output to room and up to 9.7kW to water
- Hetas Approved Appliance for complete peace of mind
- Sustainable Energy Authority of Ireland (SEAI) verified data
- CE EN13240 tested in the United Kingdom
- Top or rear 150 mm (6") flue outlet option
- Easily takes logs up to 375 mm (15") long
- Approximate overall dimensions (mm) H735 W605 D545
- Stove net weight 160kg approx

The Alpha III Boiler Features

- Integrated wrap around boiler individually pressure tested
- Five year extended warranty on boiler and stove
- Thermostat for improved comfort control
- 4 x 1" BSP (28 mm) ports for flexible connection
- User-friendly cool to touch clamp-closed door handle
- Simple flueway cleaning access without removing flue pipe
- Pre-heated Secondary Airwash system for clear glass
- External riddler for mineral fuel operation
- Primary Air Control for mineral fuel burning
- Premium cast iron multi fuel open grate
- Robot welded heavy duty steel bodywork
- Long lasting premium quality cast iron lid and door

The Alpha III Boiler Options

- Optional Direct Air Kit (subject to building regulations and spillage tests) helps eliminate cold drafts

THE ALPHA III-B
MULTI FUEL BOILER



ALPHA STOVES AT-A-GLANCE

The
ALPHA
Collection

FREE-STANDING CLEAN BURN STOVES

FREE-STANDING CLEAN BURN STOVES										Nominal	
Name	Model	Enamel	Effic'	Weight	Log	Flue Option	Dimensions mm	Water	Room		
Alpha I (Store Stand: LS)	*AL905-SE	N / A	84.3%	79kg	250	125 mm T & R	H590 LS 727 W445 D425	N / A	4.9 kW		
Alpha II (Store Stand: LS)	*AL907-SE	N / A	78.0%	119kg	350	150mm T & R	H730 LS 888 W535 D440	N / A	8.0 kW		
Alpha III	AL910	N / A	80.3%	140kg	400	150 mm T & R	H735 W605 D494	N / A	10.0 kW		

DEFRA SMOKE EXEMPT STOVES

DEFRA SMOKE EXEMPT STOVES										Nominal	
Name	Model	Enamel	Effic'	Weight	Log	Flue Option	Dimensions mm	Water	Room		
Alpha I (Store Stand: LS)	*AL905-SE	N / A	84.3%	79kg	250	125 mm T & R	H590 LS 727 W445 D425	N / A	4.9 kW		
Alpha II (Store Stand: LS)	*AL907-SE	N / A	78.0%	119kg	350	150 mm T & R	H730 LS 888 W535 D440	N / A	8.0 kW		

INSET STOVES

INSET STOVES										Nominal	
Name	Model	Enamel	Effic'	Weight	Log	Flue Diameter	Dimensions mm	Water	Room		
Alpha Inset	*AL357i	●	75.2%	83kg	250	150 mm Top only	H610 W490 D270	N / A	4.9kW		
Alpha Inset Boiler	*AL357i-B	●	80.2%	100kg	250	150 mm Top only	H610 W490 D414	7.5kW	4.8kW		

BOILER STOVES

BOILER STOVES										Nominal	
Name	Model	Enamel	Effic'	Weight	Log	Flue Diameter	Dimensions mm	Water	Room		
Alpha Inset Boiler	*AL357i-B	●	80.2%	100kg	250	150 mm Top only	H610 W490 D407	7.5kW	4.8kW		
Alpha III Boiler	*AL910-B	N / A	74.3%	160kg	375	150 mm T & R	H735 W605 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. *AL905-SE, AL907-SE, AL357i and AL357i-B are Hetas Approved Appliances.

hi-flame
MULTI FUEL STOVES

HETAS

seai

SIA
STOVE INDUSTRY ALLIANCE

Alpha
Five Year
Guarantee on
Boiler &
Bodywork



SIA
eodesign
ready