ALPHA CLEAN BURN STOVES





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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

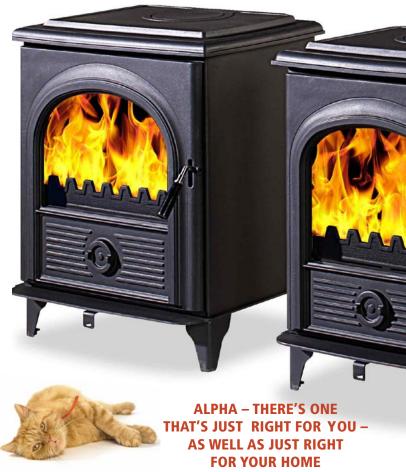
With efficiencies of up to 84.3% your wood fuel will deliver you more cheap heat and last a lot longer in an Alpha clean burn stove.

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.

So whether you live in the town or the countryside when you install an Alpha stove you can be sure



*Subject to warranty registration terms and conditions

ALPHA THE BETTER CHOICE

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 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 boiler stove, they're built to last.

They're also designed with easy maintenance in mind and with readily available Alpha spares being 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 5 years!

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.

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
- 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)
- This product is registered on the HARP database

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 II MULTI FUEL STOVE











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
- 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)
- This product is registered on the HARP database

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.

THE ALPHA III FEATURES AND BENEFITS

80.3% Net Efficiency (Wood)

- 10.0kW output (wood) and 11.7kW (smokeless mineral fuel)
- 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
- This product is registered on the HARP database

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-B MULTI FUEL BOILER











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
- 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
- This product is registered on the HARP database

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



ALPHA STOVES AT-A-GLANCE



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 E	XEMPT ST	OVES						Nomin	al
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								Nomin	al
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						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). All Alpha stoves are CPR compliant. *AL905-SE, AL907-SE, AL357i and AL357i-B are Hetas Approved Appliances.









