

# Declaration of Performance

## AL357i-B Alpha Inset Boiler

According to the Construction Products Regulation (EU) 305/2011 Number 00001-CPR-2013/07/01 (CPR)

### 1 Unique identification code of the product type:

Alpha Inset roomheater burning solid fuel with hot water supply EN 13229: 2001 + amd 1:2003 + Amd 2:2004.

### 2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Model AL357i-B Alpha Inset Boiler

### 3 Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Roomheater burning solid fuel with hot water supply

### 4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Hi-Flame Fireplace UK Limited  
Unit 5A  
Holmes Chapel Business Park  
Manor Lane  
Holmes Chapel  
Cheshire CW4 8AF

Telephone +44 (0)1477 544 585  
Email info@hi-flame.com  
Website www.hi-flame.com

### 5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A

### 6 System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3 and 4

### 7 In case of the Declaration of Performance concerning a construction product covered by a harmonised standard:

Kiwa GasTec, the UKAS notified laboratory number 0692, performed the determination of the product type on the basis of type testing under System 3 and issued test report number 60022-1.

### 8 Declared Performance

Harmonized technical specification: EN 13229: 2001 + amd 1:2003 + Amd 2:2004		
Essential Characteristics	Performance	
Fire Safety / Reaction to Fire	A1	
Minimum distance to combustible materials (mm)		
	Rear	N/A
	Sides	100
	Shelf	200
Risk of burning fuel falling out	Pass	
Emission of Combustion Products CO (0.13% O <sub>2</sub> )		
Wood	0.52	
Smokeless solid mineral fuel (Ancit)	0.47	
Surface Temperature	Pass	
Electrical Safety	Pass	
Cleanability	Pass	
Maximum Operating Pressure	1.5 Bar	
Flue gas temperature at nominal heat output	Wood - 296°C Ancit - 333°C	
Mechanical Resistance (to carry a chimney/flue)	Pass	
Thermal Output		
Nominal heat output	Wood	12.3kW
Room heating output	Wood	4.8kW
Water heating output	Wood	7.5kW
Nominal heat output	Smokeless*	12.6kW
Room heating output	Smokeless*	3.7kW
Water heating output	Smokeless*	8.9kW
*Smokeless solid mineral fuel (Ancit)		
Energy Efficiency		
Wood $\eta$	80.2%	
Smokeless solid mineral fuel (Ancit) $\eta$	75.8%	

### 9 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by  
Geoff Royle Technical Director



Holmes Chapel Cheshire 08 September 2014