# **WARMFLOW**

QUALITY DESIGN. BUILT-IN RELIABILITY.

# **BOILER RANGE**



Complete oil fired condensing boiler range

www.warmflow.co.uk



QUALITY DESIGN. BUILT-IN RELIABILITY.

# BOILER RANGE www.warmflow.co.uk

# Warmflow - the perfect choice

Warmflow has been established as a privately owned company since 1970. During this time we have developed into one of the UK and Ireland's leading manufacturers of domestic heating appliances gaining a reputation for high quality, value for money products.

At the core of our success has been our commitment to quality: 'Quality manufacturing, sales support and back-up service.'

All our products have been independently tested and accredited. Our HE range of appliances exceed the minimum ErP efficiency requirements and comply with Document L1A, L1B (England & Wales), The Building Standards (Scotland) Regulations Section 6, Approved Document Part F (Northern Ireland) and with the HARP efficiency requirements for Part L (Republic of Ireland).

In addition, to ensure that we maintain our own in house quality standards, we have in place a BSI approved monitoring system, certified to BS EN ISO 9001:2008.







# Relax...

# it's a Warmflow boiler

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# **HE Oil-Fired Range**

# Utility HE Series





- Available in outputs from 50,000 Btu/h (15kW) to 150,000 Btu/h (44kw)
- Finished in stylish high gloss white casing
- Designed to fit neatly under standard work surfaces
- Front servicing
- Supplied for balanced flue application
- Suitable for use with HE 'Easy-fit' flue systems
- Riello RDB 2.2 and 3.2 burners

# HE Range Pre-Wired U70HE / U90HE / U120HE / U150HE Pre Wired

# Introducing the perfect choice in high efficiency utility and kitchen boilers.

The HE utility range has been specifically designed to fit into most kitchen and utility room applications. It's stylish white casing houses a highly efficient heat exchanger that can be easily accessed for servicing without the need for removable work surfaces. The latest in Riello burner technology makes the utility range quiet in operation and the perfect choice in oil-fired boilers.

### Unique features & benefits

HE boilers are suitable for use on most types of fully pumped heating and hotwater systems and are Ideal for systems that have been designed to operate with a low return water temperature i.e. under floor heating.

### An environmental investment

Designed to be environmentally friendly and bio fuel compatible\*, Warmflow HE boilers are highly efficient in operation and are ErP 'A' rated.

\* All boilers are compatible with bio fuel however they must be commissioned on site and the flexible fuel line(s), nozzle and fuel filter replaced please contact Warmflow for further details.



# HE Range Pre-Pumped

UP70HE / UP90HE / UP120HE / UP150HE Pre Pumped





The pumped model includes all the features of the utility boiler with the added advantage of a factory fitted & wired pump.

### Ease of installation

Warmflow takes pride in being a company with a reputation for producing quality products that are easy to install and maintain. Our HE range, incorporating a unique, patented, easy clean, front servicing secondary heat exchanger, fits nicely with this philosophy.

All HE boilers are suitable for use on conventional flues or low-level, high-level or vertical balanced flues using the HE 'Easy-fit' balanced flue system. See pages 10-11 for flue options.

### **Specifications**

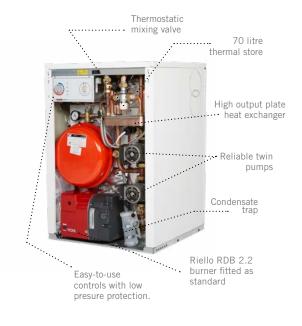
		PRE-	WIRED			PRE-P	UMPED	
MODEL	UZOHE	U90HE	U120HE	U150HE	UP70HE	UР90НЕ	UP120HE	UP150HE
Output (kW)	15-21	21-26	26-33	33-44	15-21	21-26	26-33	33-44
Flue options	Conven	tional fl	ue, low-	level, higl	n-level ar	id vertic	al balan	ced flue
Conventional flue size (mm)		100		125	100			125
ErP rating		А		Α		Α		
Height (mm)		865		1155	865			1155
Depth (mm)		600		872		872		
Width (mm)		413		595	413			595
Service access		Fr	ont		Front			
Condensate trap		Factor	y fitted			Factor	y fitted	
Hot water flow rate (L/min)		r	ı/a					

MODEL	US70HE	SYSTEI     OSBOHE	US120HE	ОС7ОНЕ	COMBI OCOOHE	UC120HE			
Output (kW)	15-21	21-26	26-33	15-21	21-26	26-33			
Flue options	Left, right	or rear lo	ow-level conv	ventional flue, optional top outlet					
Conventional flue size (mm)		100		100					
ErP rating		Α		А					
Height (mm)		865		865					
Depth (mm)		600		600					
Width (mm)		413		595					
Service access		Front		Front/Top					
Condensate trap	Fa	actory fit	ted	Fa	ctory fitt	ted			
Hot water flow rate (L/min)		n/a		18	24	24			

### Utility Combi

Warmflow combi boilers provide excellent hot water performance and rapid response to hot water demand due to their large thermal store and high output plate exchanger.

All Warmflow Combi boilers are factory fitted with a low pressure switch as standard, providing protection against damage in the event of water loss from the system.



### Programmer



An optional 7 day digital plug-in programmer is available for all Warmflow Utility boilers.

PC1 for Utility HE Combi models PC2 for Utility non-Combi models



## **HE Range** Sealed System

US70HE / US90HE / US120HE System





Supplied as a pre-pumped boiler with a system kit. The 12 litre expansion vessel supplied is suitable for a maximum total system volume of up to 145 litres. For larger volume systems please contact our customer care.



### HE Range Combi

UC70HE / UC90HE / UC120HE Combi





# **HE Oil-Fired Range**

Kabin Pak HE Series





- Available in outputs from 50,000 Btu/h (15kW) to 150,000 Btu/h (44kw)
- High quality pre-coated finish (olive green)
- · Left, right or rear flue options as standard
- Optional top outlet flue
- Riello RDB 2.2 and 3.2 burners

# Introducing the perfect choice in high efficiency outdoor oil boilers.

For those occasions when internal space is limited, the external boilers offer total flexibility and are designed to be simple and quick to install. These totally self-contained units are supplied in a protective, pre-coated, fully insulated, olive green casing approved to IP45 rating.

As you would expect, the HE kabin pak range comes with all the features and benefits of the HE utility range, and the Kabin Pak combi models are no exception.

# Warmflow condensing boilers

more heat less fuel...



HE Range Pre-Wired

K70HE / K90HE /K120HE / K150HE Pre Wired



Δ



**HE Range** Pre-Pumped

KP70HE / KP90HE / KP120HE / KP150HE Pre Pumped





The pumped model includes all the features of the utility boiler with the added advantage of a factory fitted & wired pump.

### Frost Thermostat

A frost thermostat is fitted as standard to all Kabin Pak combi models. For all other Kabin Pak models a frost thermostat kit, incorporating an isolating switch, servicing function and clipped pipe stat is supplied as an option.

## Specifications

		PRE-	WIRED			PRE-P	UMPED	1.1
MODEL	к70НЕ	КЭОНЕ	К120НЕ	K150HE	KP70HE	КР90НЕ	КР120НЕ	KP150HE
Output (kW)	15-21	21-26	26-33	33-44	15-21	21-26	26-33	33-44
Flue options	Left, rig	ght or re	ar low-l	evel conv	entional f	flue, opt	ional to	outlet
Conventional flue size (mm)	n/a			n/a	n/a			n/a
ErP rating		Α		Α	А			Α
Height (mm)		900		1155	900			1155
Depth (mm)	700			876		876		
Width (mm)		413		595		413		595
Service access		Fr	ont		Front			
Condensate trap		Factor	y fitted			Factor	y fitted	
Hot water flow rate (L/min)		r	ı/a		n/a			

MODEL	KS70HE	SYSTE KNOOHE KNOOHE	KS120HE	КСТОНЕ	COMBI KC90HE	КС120НЕ		
Output (kW)	15-21	21-26	26-33	15-21	21-26	26-33		
Flue options	Left, right	or rear lo	ow-level conv	entional flue	, optiona	l top outlet		
Conventional flue size (mm)		n/a		n/a				
ErP rating		Α		A				
Height (mm)		900		900				
Depth (mm)		700		700				
Width (mm)		413		600				
Service access		Front		Front/Top				
Condensate trap	Fa	actory fit	ted	Fa	actory fit	ted		
Hot water flow rate (L/min)		n/a		18	24	24		







# **HE Range** Sealed System

KS70HE / KS90HE /KS120HE System



Α

Supplied as a pre-pumped boiler with a system kit. The 12 litre expansion vessel supplied is suitable for a maximum total system volume of up to 145 litres



# HE Range Combi

KC70HE / KC90HE / KC120HE Combi



A B

# **HE Oil-Fired Range**

# Boilerhouse HE Range





- Available in outputs up to 33kW
- Finished in blue leathergrain casing
- Compact and robust
- · Riello burner fitted as standard

# The boilerhouse HE range has been specifically designed for boiler house and garage applications and is suitable for indoor installation

Its blue casing houses a highly efficient heat exchanger that can be easily accessed for servicing. The latest in Riello burner technology makes the utility range quiet in operation and the perfect choice in oil-fired boilers.

All HE boilerhouse models are fully factory wired with burner and thermostat and are supplied with a factory fitted condensate trap as standard. The appliance has flow and return connections off the top for ease of plumbing.

The HE models are suitable for use on conventional flues or low-level, high-level or vertical balanced flues using the HE 'Easy-fit' balanced flue system. See pages 9-11 for flue options.

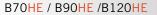
### the perfect choice

in high efficiency oil boilers



**Specifications** 

	:	1	
MODEL	В70НЕ	вэоне	B120HE
Output (kW)	15-21	21-26	26-33
Flue options	Conventiona high-level &		w-level, balanced flue
Conventional flue size (mm)		100mm	ı
ErP rating		Α	
Height (mm)		685	
Depth (mm)		600	
Width (mm)		395	
Service access		Front	
Condensate trap	Fa	ctory fit	ted

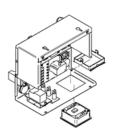






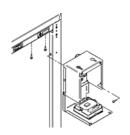
# **Accessories**

The PC1 combi programmer provides a quick and easy option for time control of the heating and hot water functions of the Warmflow utility combi boiler.



The PC1 multifunction 7-day timer neatly flush-mounts into the combi control panel inplace of the selector switches and can be installed in minutes thanks to the easy click-in frame and push-fit connections.

The PU1 utility programmer provides all the functionality of the PC1 but for use with a non-combi utility model.



The 'plug & play' unit comes complete with trailing leads for quick connection of the power supply, boiler thermostat and pump and is supplied with its own enclosure that fits easily into the corner of the utility casing.



Warmflow PC1 / PU1 programmer

Boiler accessories

PC1 utility combi programmer

PU1 utility programmer

KFA1 conventional flue adapter (K~ & KP~ 70, 90 & 120 models)

KFA2 conventional flue adapter (KC~ combi models)

KFA3 conventional flue adapter (K~ & KP~ 150HE models)

For flue options, see pages 10 to 13

The KFA kabin pak flue adapter is a replacement casing lid for installations where a vertical conventional flue is required externally to exhaust the flue gasses above eaves level, for example in a small courtyard.



Available in 3 sizes to suit all kabin pak models up to 150HE the KFA features a top-outlet flue hole with sealed flashing ring for use with a suitable flue storm collar (not supplied).

# **HE Flue Kit Accessories**



The 'Easy-fit' plastic flue systems has been specifically designed for use on high efficiency condensing oil-fired boilers. The locking clamp arrangement provides for superior rigidity and security compared with a traditional push-fit arrangement. Because the flue system is plastic, all extension and terminal sections can be easily cut to length as required.

### All HE flue kits include:

- Boiler adapter & starter piece
- End terminal
- Flue fittings kit
- Flue thermostat

### Horizontal kit (FBF) also includes:

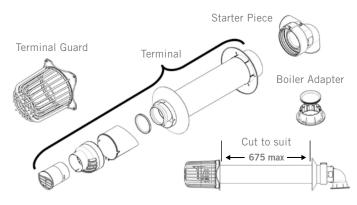
Terminal guard

### High-level kit (HBF) also includes:

- 1000mm extension
- 87° bend

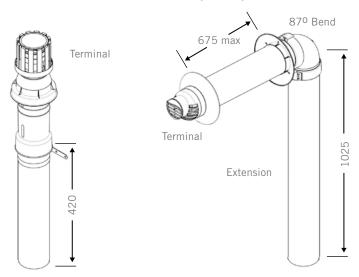
# **HE Plastic Flue Systems**

Horizontal Flue Kit (FBF)



Vertical Flue Kit (VBF)

High-Level Flue Kit (HBF)





Starter Piece

Starter Piece





Boiler Adapter

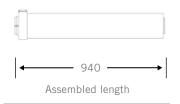
Boiler Adapter



### Note:

- 1. All flues can utilise any combination of bends, straights, adaptors and terminals.
- 2. Ensure flue is arranged such that it falls continuously towards the boiler.
- 3. All horizontal sections must be inclined at a minimum 3° angle.
- 4. All dimensions in mm unless otherwise stated.
- 5. If terminal is less that 2m above ground level, terminal guard must be fitted.

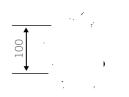
# HE Flue Kit Accessories





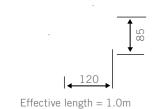
F3 - 1000mm extension pipe

F4 - 500mm extension pipe



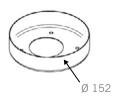
Effective length = 0.5m

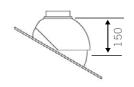
F7 - 45° bend



......

F8 - 87° bend





F10 - conventional flue adapter

F11 - pitched roof flashing





F12 - flat roof flashing

F14 - terminal guard

BOILER OUTPUT (kW)	TOTAL EQUIVALENT	FLUE LENGTH (M) high/low-level balanced flue
21	8.0	5.0
26	8.0	5.0
30	6.0	3.5
33	4.0	2.5
44	4.0	2.5

# Calculating the total equivalent flue length

- 1. Decide on the boiler output.
- 2. Decide on the type of flue system required.
- 3. Decide if you need any flue bends.
- 4. Add 1m for every 87° bend and 0.5m for every 45° bend to the actual length of the flue system.
- 5. Establish from the table opposite the total equivalent flue length.
- 6. When using flue bends IT IS IMPORTANT to ensure that you do not exceed the total equivalent flue length.

### Example

Boiler output (20kW), Length of flue (distance from boiler to terminal) (8mtrs

### Example 1: No Bends Fitted

Length of vertical flue 8 mtrs
No bends 0 mtrs
Equivalent length 8 mtrs

Equivalent length within the maximum allowed.

**INSTALLATION ACCEPTABLE** 

### Example 2: 2 x 45° Bends Fitted

Equivalent length now exceeds the maximum allowed.

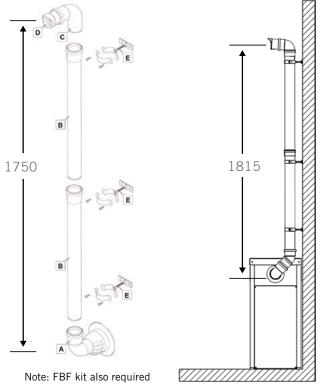
**INSTALLATION NOT ACCEPTABLE** 

# **HE Flue Kit Accessories**

# **Plume Management Kits**

In instances where discharging flue gasses at low level may cause a problem, such as in a small courtyard or narrow passageway, a Plume Management Kit may provide a useful addition to a standard low-level flue. The kits comprise extensions and bends in 80mm black UV-stabilised polypropylene and include adjustable mounting brackets.

Plume Management Kits are suitable for all HE models up to 150HE (see notes).



**Utility Plume** Management Kit (U-Pmk)

Kabin Pak Plume Management Kit (K-Pmk)

The following components are available separately:



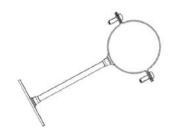
45° bend (3499)



90° bend (3458)



860mm extension (3457)



Adjustable bracket (3460)

# Key:

- **A** Diverter elbow
- B 860mm extension
- **C** 87° bend
- **D** Terminal insert
- **E** Adjustable bracket
- F 45° bend

1. The Utility Plume Management Kit (U-PMK) is designed to extend an FBF flue kit. Both an FBF and U-PMK are required to assemble the complete flue.

# Flexi Liner Kits

When connecting a condensing boiler to an existing chimney, a flue liner must be used. Warmflow's flexible flue liners are designed for ease of installation and, because they use the chimney for the supply of combustion air, provide a room-sealed installation - no separate combustion air supply is needed.

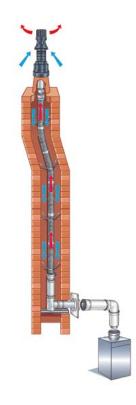
Four kits are available in a choice of either 6 metre or 10 metre flexible section lengths with either vertical or horizontal entry options. The connection between the boiler and chimney is made using Warmflow's HE plastic flue system, so both the flexible liner within the chimney and rigid flue connecting the boiler can easily be cut to length as required.

Flexi Liner Kits are suitable for all indoor HE models up to 90HE. For outputs in excess of 90HE, please consult our Customer Care Centre.



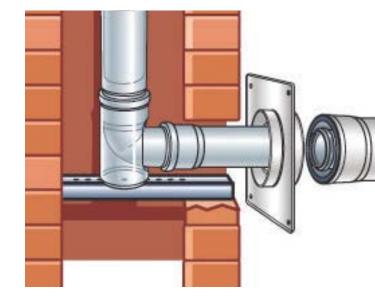
Vertical Entry Kit

VFL6 = 6m vertical entry kit VFL10 =10m vertical entry kit



**Horizontal Entry Kit** 

HFL6 = 6m horizontal entry kit HFL10 = 10m horizontal entry kit



### All 4 kits include:

- boiler adapter
- vertical starter piece
- flue fittings kit
- flue thermostat
- · chimney closure plate
- terminal section
- flexible liner
- liner spacers & couplings

### Vertical entry kits also include:

• 1 x 0.5 metre balanced flue extension

## Horizontal entry kits also include:

- 2 x 0.5 metre balanced flue extensions
- 1 x 87° balanced flue bend
- 1 x 87° liner support elbow

# **HE Models**



	OUTPUT (KW)	FLUE OPTIONS	C/F SIZE (MM)	ERP RATING	HEIGHT (MM)	DEPTH (MM)	WIDTH (MM)	CONNEC FLOW	CTIONS RETURN	SERVICE ACCESS	OPTIONAL PROGRAMMER	DHW FLO
	- CEDIEC		(IVIIVI)					TLOW	RETORN			
UTILITY HI PRE-WIRE												
U70HE	15-21	C/F, low / high / vertical B/F	100	Α	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
U90HE	21-26	C/F, low / high / vertical B/F	100	А	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
U120HE	26-33	C/F, low / high / vertical B/F	100	Α	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
U150HE	33-44	C/F, low / high / vertical B/F	125	А	1155	872	595	1¼" BSP	1¼" BSP	front	PU1	n/a
PRE-PUMP	r PED	, ,										
UP70HE	15-21	C/F, low / high / vertical B/F	100	Α	865	600	413	22mm	1" BSP	front	PU1	n/a
UP90HE	21-26	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
UP120HE	26-33	C/F, low / high / vertical B/F	100	A	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
UP150HE	33-44	C/F, low / high / vertical B/F	125	A	1155	872	595	28mm	1¼" BSP	front	PU1	n/a
SYSTEM	33-44	Cit, low / Hight / Vertical Dit	123	^	1133	072	333	2011111	174 001	HOIL	101	11/a
	15.01	C/F low / high / vertical B/F	100	۸	965	600	412	22	1" DCD	front	DI II	2/2
US70HE	15-21	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
US90HE	21-26	C/F, low / high / vertical B/F	100	A	865	600	413	22mm	1" BSP	front	PU1	n/a
US120HE	26-33	C/F, low / high / vertical B/F	100	Α	865	600	413	28mm Comp	1" BSP	front	PU1	n/a
COMBI												
UC70HE	15-21	C/F, low / high / vertical B/F	100	Α	865	600	595	22mm	1" BSP	front/top	PU1	18
UC90HE	21-26	C/F, low / high / vertical B/F	100	Α	865	600	595	22mm	1" BSP	front/top	PU1	24
UC120HE	26-33	C/F, low / high / vertical B/F	100	Α	865	600	595	28mm Comp	1" BSP	front/top	PU1	24
KABIN PAR	/ UE CED	IEC										
PRE-WIRE		iL3										
K70HE	15-21	L, R or rear. Optional top	n/a	Α	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
K90HE	21-26	L, R or rear. Optional top	n/a	Α	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
K120HE	26-33	L, R or rear. Optional top	n/a	Α	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
K150HE	35-44	L, R or rear. Optional top	n/a	Α	1155	876	595	1¼" BSP	1¼" BSP	front	n/a	n/a
PRE-PUMP	ı ı ED											
KP70HE	15-21	L, R or rear. Optional top	n/a	Α	900	700	413	22mm	1" BSP	front	n/a	n/a
KP90HE	21-26	L, R or rear. Optional top	n/a	Α	900	700	413	22mm	1" BSP	front	n/a	n/a
KP120HE	26-33	L, R or rear. Optional top	n/a	A	900	700	413	28mm Comp	1" BSP	front	n/a	n/a
	35-44	L, R or rear. Optional top		A	1155	876				front	n/a	n/a
KP150HF							595	28mm	1*/4 DOP			
		L, It of feat. Optional top	n/a	٨	1155	870	595	28mm	1¼" BSP	HOIL	II/a	11/a
SYSTEM												
SYSTEM KS70HE	15-21	L, R or rear. Optional top	n/a	A	900	700	413	22mm	1" BSP	front	n/a	n/a
SYSTEM KS70HE KS90HE	15-21 21-26	L, R or rear. Optional top L, R or rear. Optional top	n/a n/a	A A	900	700 700	413 413	22mm 22mm	1" BSP 1" BSP	front front	n/a n/a	n/a n/a
SYSTEM KS70HE KS90HE KS120HE	15-21	L, R or rear. Optional top	n/a	A	900	700	413	22mm	1" BSP	front	n/a	n/a
SYSTEM KS70HE KS90HE KS120HE COMBI	15-21 21-26 26-33	L, R or rear. Optional top L, R or rear. Optional top L, R or rear. Optional top	n/a n/a n/a	A A A	900 900 900	700 700 700	413 413 413	22mm 22mm 28mm Comp	1" BSP 1" BSP 1" BSP	front front front	n/a n/a n/a	n/a n/a n/a
KP150HE SYSTEM KS70HE KS90HE KS120HE COMBI KC70HE	15-21 21-26 26-33	L, R or rear. Optional top	n/a n/a n/a n/a	A A A	900 900 900	700 700 700 700	413 413 413	22mm 22mm 28mm Comp	1" BSP 1" BSP 1" BSP	front front front front/top	n/a n/a n/a	n/a n/a n/a 18
KS70HE KS90HE KS120HE COMBI KC70HE	15-21 21-26 26-33 15-21 21-26	L, R or rear. Optional top	n/a n/a n/a	A A A	900 900 900 900	700 700 700 700 700	413 413 413 600 600	22mm 22mm 28mm Comp 22mm 22mm	1" BSP 1" BSP 1" BSP 1" BSP	front front front/top front/top	n/a n/a n/a	n/a n/a n/a 18 24
KS70HE KS90HE KS120HE COMBI KC70HE KC90HE	15-21 21-26 26-33	L, R or rear. Optional top	n/a n/a n/a n/a	A A A	900 900 900	700 700 700 700	413 413 413	22mm 22mm 28mm Comp	1" BSP 1" BSP 1" BSP	front front front front/top	n/a n/a n/a	n/a n/a n/a
KS70HE KS90HE KS120HE COMBI KC70HE KC90HE	15-21 21-26 26-33 15-21 21-26 26-33	L, R or rear. Optional top	n/a n/a n/a n/a n/a	A A A	900 900 900 900	700 700 700 700 700	413 413 413 600 600	22mm 22mm 28mm Comp 22mm 22mm	1" BSP 1" BSP 1" BSP 1" BSP	front front front/top front/top	n/a n/a n/a n/a n/a	n/a n/a n/a 18 24
SYSTEM KS70HE KS90HE KS120HE COMBI KC70HE KC90HE KC120HE	15-21 21-26 26-33 15-21 21-26 26-33	L, R or rear. Optional top	n/a n/a n/a n/a n/a n/a	A A A A	900 900 900 900 900 900	700 700 700 700 700	413 413 413 600 600 600	22mm 22mm 28mm Comp  22mm 22mm 22mm 22mm	1" BSP 1" BSP 1" BSP 1" BSP 1" BSP 1" BSP	front front front/top front/top front/top	n/a n/a n/a n/a n/a	n/a n/a n/a 18 24
KS70HE KS90HE KS120HE COMBI KC70HE KC90HE KC120HE	15-21 21-26 26-33 15-21 21-26 26-33	L, R or rear. Optional top SERIES C/F, low / high / vertical B/F	n/a n/a n/a n/a n/a n/a	A A A A	900 900 900 900 900 900	700 700 700 700 700 700 700	413 413 413 600 600 600	22mm 22mm 28mm Comp  22mm 22mm 22mm 28mm Comp	1" BSP 1" BSP 1" BSP 1" BSP 1" BSP 1" BSP	front front front/top front/top front/top	n/a n/a n/a n/a n/a	n/a n/a n/a 18 24 24
SYSTEM KS70HE KS90HE KS120HE COMBI KC70HE KC90HE KC120HE	15-21 21-26 26-33 15-21 21-26 26-33	L, R or rear. Optional top	n/a n/a n/a n/a n/a n/a	A A A A	900 900 900 900 900 900	700 700 700 700 700 700	413 413 413 600 600 600	22mm 22mm 28mm Comp  22mm 22mm 22mm 22mm	1" BSP 1" BSP 1" BSP 1" BSP 1" BSP 1" BSP	front front front/top front/top front/top	n/a n/a n/a n/a n/a	n/a n/a n/a 18 24

# **Erp Rating**

# The ErP Rating

The ErP (Energy related Products) Rating is a new requirement set by the European Union which resulted from many years of negotiation between European Members States and the EU Commission.



It is designed to drive improvements in the efficiency and performance of heating and hot water products. ERP rated products must be manufactured and tested to strict performance standards and energy efficiency information must be made available to aid the selection of product. It will ensure homeowners are aware of the efficiency level of their products which is clearly displayed on the energy label. The ErP rating introduces new efficiency classes from A++ to G.

When your heating appliance is combined with another product, e.g. heating controls, then a Package label will be produced. The package label will provide the combined energy efficiency rating of the whole system rather than ratings of each individual component.

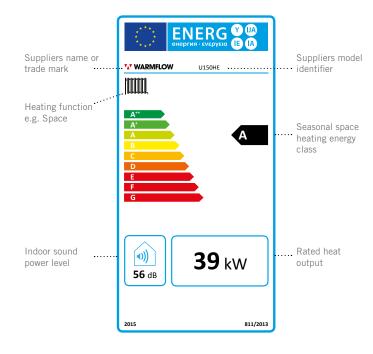
The person who puts the package together is the one responsible for producing a package label. For example:

- The selling Merchants' responsibility if they supply the complete package under one part number.
- The system installer if they have put the package together.

### How we can help

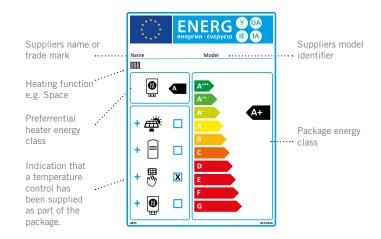
- Our website has a special ErP section where you can access information and download product labels and fiche.
   www.warmflow.co.uk/erp
- Our products are ErP compliant and include the fitting of high efficiency circulating pumps where applicable

# www.warmflow.co.uk/erp



### Product label

Supplied by the product manufacturer, the label indicates the energy class of the heat generator, together with additional information as required for the technology. This label shows a simple space heater product label.



### Package label

Supplied by the 'Installer' to the end user, the package label indicates the energy class of the package as a result of combining the individual products. This label shows a package of a boiler and temperature control.



QUALITY DESIGN. BUILT-IN RELIABILITY.

# BOILER RANGE www.warmflow.co.uk

Warmflow Engineering Co Ltd manufacturers a range of products including heating and ventilation, renewable energy, washroom products and gun cabinets, as well as precision sheet metalwork and bespoke fabrication in a variety of materials. All of our product brochures can be viewed or downloaded at warmflow.co.uk and are also available in hardcopy upon request.



# Warmflow Cylinders

- · Indirect unvented
- · Twin & Triple Coil unvented
- · Direct & Eco Direct unvented

(brochure 3678)



# Warmflow Renewables

- · Wood Pellet Boilers
- · Ground Source
- · Solar Solutions

(brochure 3549)



# Warmflow **Sanitary**

- · Standard urinals
- · Premium urinals
- $\cdot \ \text{Sanitary ware solutions} \\$

(brochure 3511)



# Warmflow Fabrication

- · General fabrication
- · Subcontract manufacture
- · Warm air heaters and ducting
- · Gun cabinets

(brochure 3576)

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Warmflow Engineering Company Limited maintains a policy of continuous product improvement and reserves the right to change specification without notice. The statutory rights of the consumer are not affected. This brochure should only be used for sales purposes. Please consult the installation instructions, available on request, before installing or specifying a Warmflow product.