

Oil fired boiler
product range



Making the most of your energy

Heat is our Element

 **Boulter
Buderus**



Contents

Introduction	1	Camray 5 External Range	6
Camray 5 Range	2	Balanced Flue Options & Flue System	
Camray 5 Utility Range	3	for Camray 5 150 - 240	7
Camray 5 Combi Range	4	Flue System Options Camray 5 40 - 130	8
Wall Hung Range	5	Flue System Camray 5 50/70 Wall Hung	9

All our products comply with new building regulations Part L (England) Part J (Scotland)

Introduction

Buderus is one of the largest heating groups world-wide and enjoys a market-leading position in sales of hi-efficiency gas condensing boilers in Europe.

Acquired by Buderus in December 2002, Boulter Buderus Ltd will build on the success of Boulter Boilers and Buderus, with a continued reputation for quality, reliability and innovative product design and an ever-increasing emphasis on customer service.

Our philosophy is to provide products designed to meet the needs of our customers. We lead the way in the development of new features for oil fired boilers and build on Buderus' success with hi-efficiency condensing boilers.

All products are approved to meet exacting European standards relating to quality, safety, efficiency and the environment. Furthermore, our design, manufacturing, delivery and after sales service is certified and accredited by the ISO 9000 approval system. It's not surprising therefore that we are able to provide a full 2 year warranty on parts and labour, with 5 years warranty to the boiler heat-exchanger. This commitment is backed up by a Nationwide register of engineers.

We hope you find our latest product guide useful. The following pages will give you an insight to the benefits of our current product range.



The Camray 5 Regular & System

	Height mm	Depth mm	Width mm
Camray 5 40/65 Regular & System	860	596	446
Camray 5 65/90 Regular & System	860	596	446
Camray 5 95/130 Regular & System	1000	704	508
Camray 5 150/200 Regular only	1060	796	555
Camray 5 200/240 Regular only	1101	846	587



The Camray 5

The Camray 5

The Camray 5 is one of the quietest oil fired boilers currently on the market. Camray 5 is housed in a strong, high quality white painted steel casing. The stainless steel telescopic, quick fit balanced flue system, is designed for ease of installation. The boilers are suitable for conventional flue application with the purchase of a CF adaptor.

- Ultra quiet
- Telescopic, quick fit balanced flue
- Very high quality, robust, steel case
- Secret *til lit neon indicators
- Optional plug-in programmer available for models 40/65, 65/90 and 95/130 btu/h
- **150/200 available for 28 or 35 sec. oil**

System boilers

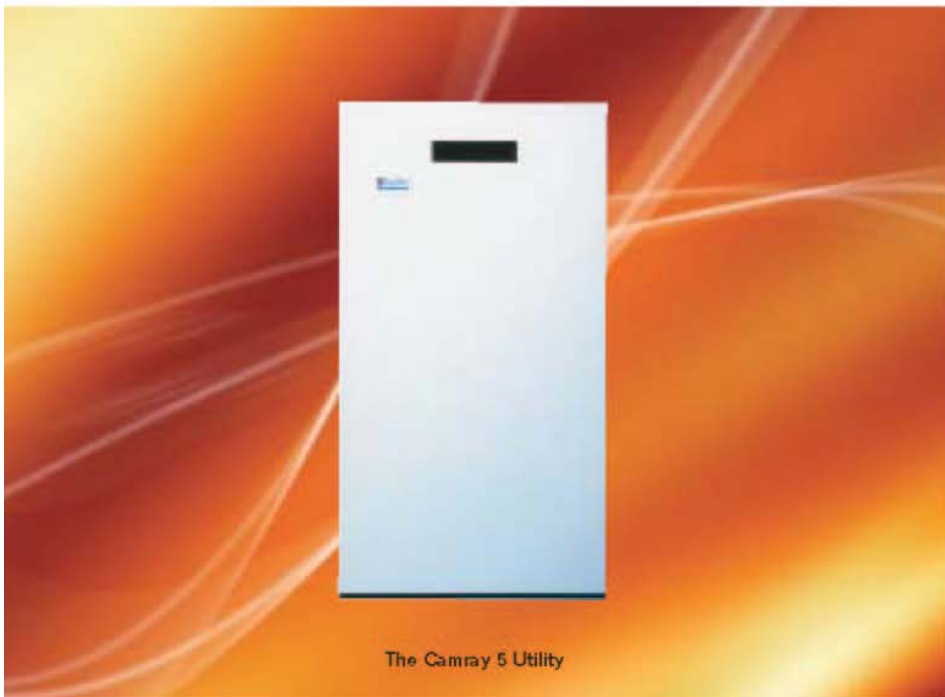
These boilers utilise the same case dimensions as the standard Camray 5 and incorporates the main system components of expansion vessel, circulating pump, pressure gauge and relief valve.

- Ultra quiet
- White cased
- **Available for models 40,000 - 130,000 btu/h only**

- Both the Camray 5 and Camray 5 Utility models between 40,000 - 90,000 btu/h are front servicing and fit underneath standard work surfaces

The Camray 5 Utility Regular & System

	Height mm	Depth mm	Width mm
Camray 5 Utility 40/65 Regular & System	860	596	446
Camray 5 Utility 65/90 Regular & System	860	596	446
Camray 5 Utility 95/130 Regular & System	1000	704	508



The Camray 5 Utility

If a suitable utility or boiler room is available, you may prefer to site the boiler there. The Camray 5 Utility range of boilers are designed specifically for this purpose. They have all the technical advantages of the Camray 5's and are housed in the stylish, robust white casing.

- Very competitively priced
- Fitted with Riello RDB burner
- 'Quick fit' telescopic balanced flue



The Camray 5 Combi Range

	Height mm	Depth mm	Width mm
Camray 5 Combi 90	860	600	588
Camray 5 Combi 70	860	600	588
Camray 5 Combi 55	860	600	588



This Combi Range of boilers incorporate all the benefits of the Camray 5 packaged within a high flow rate combination boiler in Boulter's renowned high quality steel casing.

The Camray 5 Combi 90

- 20 litres per minute at mean 50°C*
- Recovery time between draw off approx. 5 minutes
- Suitable for balanced flue
- Conventional flue option with purchase of CF adaptor

The Camray 5 Combi 55

- 14 litres per minute at mean 50°C*
- Recovery time between draw off approx. 13 minutes
- Suitable for balanced flue
- Conventional flue option with purchase of CF adaptor

The Camray 5 Combi 70

- 16 litres per minute at mean 50°C*
- Recovery time between draw off approx. 6½ minutes
- Suitable for balanced flue
- Conventional flue option with purchase of CF adaptor

*Based on 90 litres draw off with 10°C cold water inlet

The *Camray 5* 50/70 External and Internal wall hung Range

	Height mm	Depth mm	Width mm
Camray 5 50/70 External	1028	386	661
Camray 5 50/70 Internal	760	320	585



The 50/70 external wall hung

The 50/70 internal wall hung

The 50/70 external wall hung

Camray 5 50/70 is designed specifically for installation on an outside wall. This makes it the ideal boiler for a house where internal space is very limited. The Camray 5 50/70 is housed in a tough, weatherproof casing which incorporates an integral flue. It is suitable for fully pumped systems only and can be used on both sealed and open systems.

- Integral flue
- Easy access for maintenance and servicing
- Inbuilt frost protection
- Robust GRP casing
- Fitted with Riello RDB burner

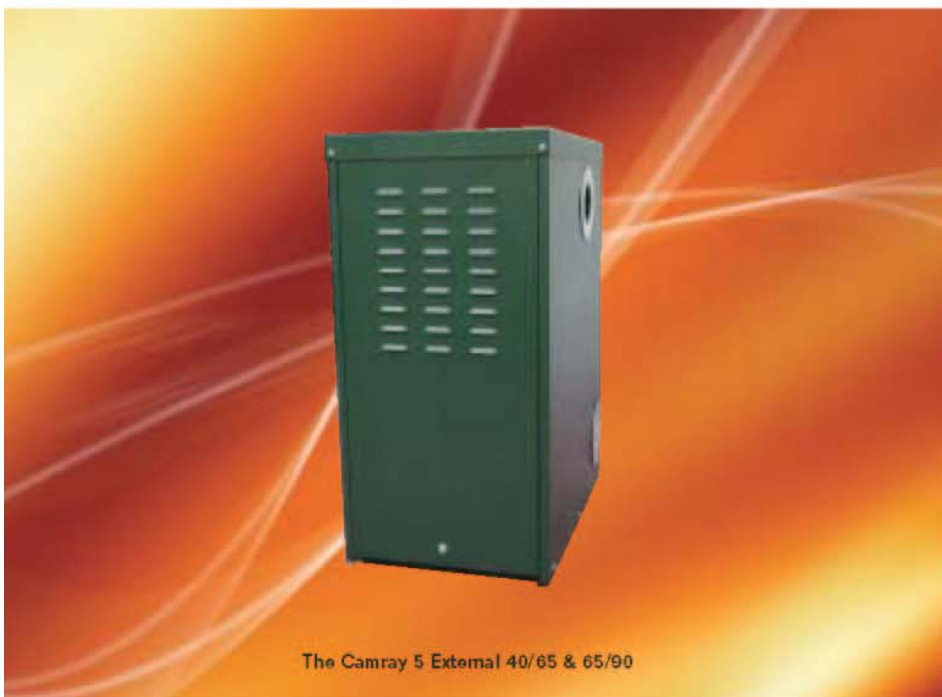
The 50/70 internal wall hung

The Camray 5 50/70 Wall Hung is a wall mounted, white cased boiler which has been designed to fit unobtrusively within any modern, fitted kitchen. It is suitable for fully pumped systems only and can be used on both sealed and open systems.

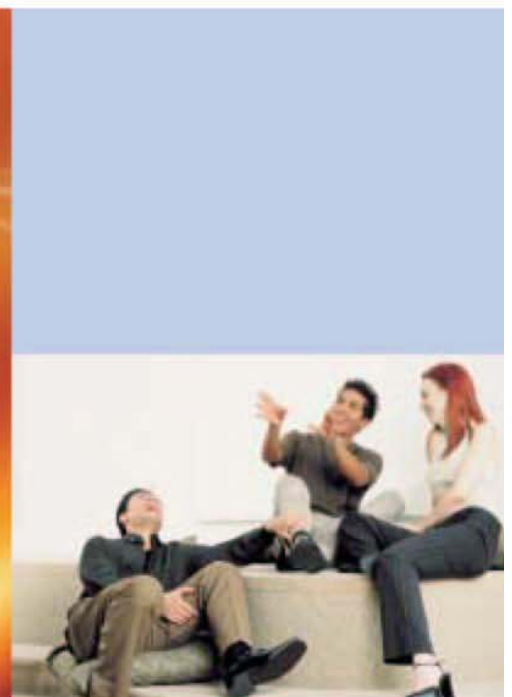
- 'Quick fit' telescopic balanced flue
- Fitted with Riello RDB burner
- Easy to install and service

The Camray 5 External Range

	Height mm	Depth mm	Width mm
Camray 5 External Combi 90	952	628	670
Camray 5 External 40/65	952	740	463
Camray 5 External 65/90	952	740	463



The Camray 5 External 40/65 & 65/90



The Camray 5 External Range

The Camray 5 External Range is designed for outside installations in both combination and regular variants.

- Easy to install
- Easy to service and maintain
- The casing kit is robust and manufactured from galvanised steel, coated with a textured weatherproof paint finish
- Lockable cabinet
- Stainless steel terminal guard

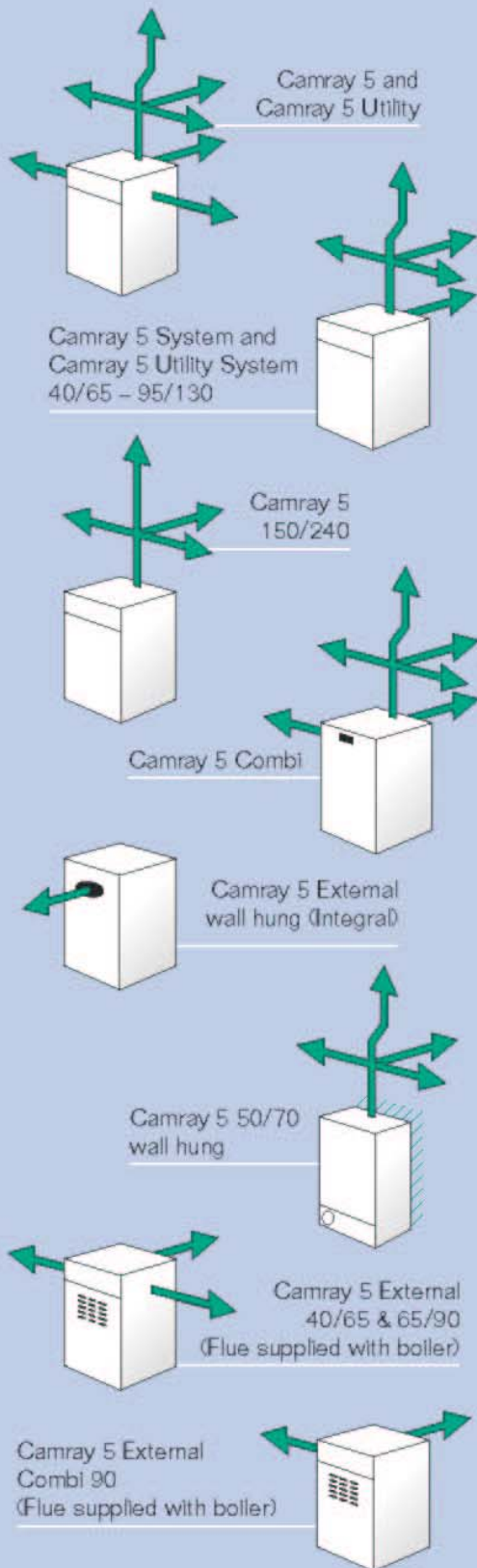
The Camray 5 External Combi 90

- 20 litres per minute at mean 50°C*

*Based on 90 litres draw off with 10°C cold water inlet

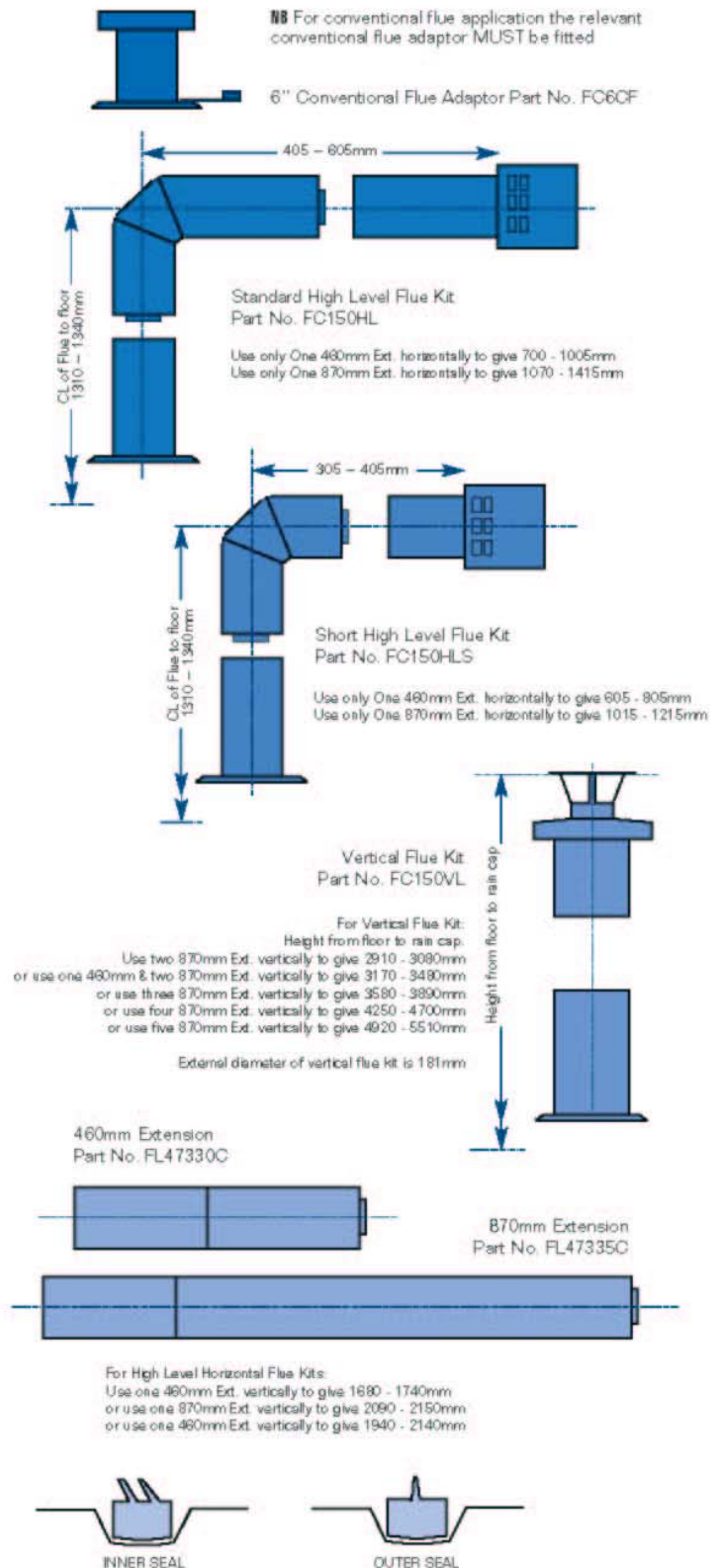
- Recovery time between draw off approx. 5 minutes

Flue options



NB All Camray 5 boilers are suitable for connection to open flue with the fitting of appropriate adaptors, except for Camray 5 External models.

The Camray 5 150/240 Telescopic, Quick Fit Flue System

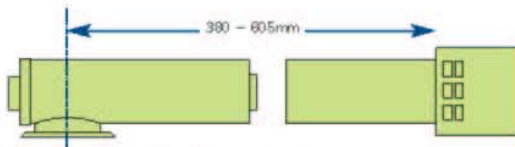


The Camray 5 floorstanding Range Telescopic, Quick Fit Flue System for sizes 40,000 - 130,000



NB For conventional flue application the relevant conventional flue adaptor **MUST** be fitted

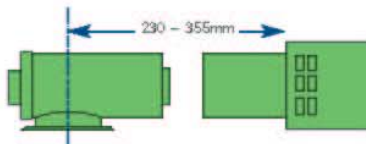


Conventional flue adaptors





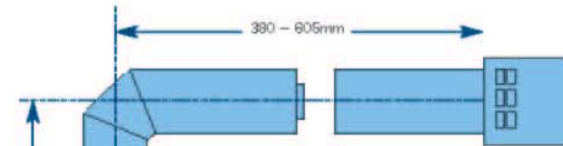
Flue Kit A, standard horizontal flue

Use only one  ext. to give 680 - 1055mm
or use only one  ext. to give 1265 - 1555mm



Flue Kit B, short horizontal flue

Use only one  ext. to give 545 - 805mm
or use only one  ext. to give 1045 - 1305mm

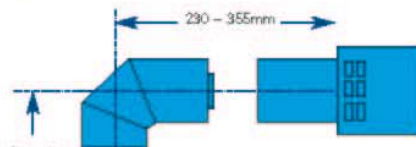


Flue Kit C, standard horizontal high level flue


Use only one  ext. horizontally to give 680 - 1055mm
Use only one  ext. horizontally to give 1265 - 1555mm

NB for vertical dimensions see right

Centre line of flue to floor
40/90 1115 - 1145mm
95/130 1240 - 1270mm














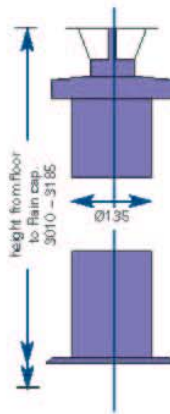
Flue Kit D, short horizontal high level flue

Use only one  ext. horizontally to give 545 - 805mm
Use only one  ext. horizontally to give 1045 - 1305mm

NB for vertical dimensions see right

Centre line of flue to floor
40/90 1115 - 1145mm
95/130 1240 - 1270mm










Colour	Part No.	Description
	FC4CF	4" (102mm) conventional flue adaptor 40/90
	FC5CF	5" (127mm) conventional flue adaptor 95/130
	FC5LL	standard horizontal flue
	FC5LLS	short horizontal flue
	FC5HL	standard horizontal high level flue
	FC5HLS	short horizontal high level flue
	FC5VL	vertical flue kit
	FL47130C	500mm extension vertical/horizontal
	FL47135C	1000mm extension vertical/horizontal
	FL55219C	45° bend (2 bends are required to form an offset)
	FL26160	Terminal guard






Flue Kit E, vertical flue

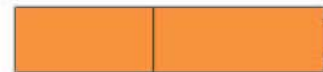
Supplied complete with 2 x 1000mm extensions

Height from floor to top of Rain Cap.

- Use one  ext. and two  ext. vertically to give 3340 - 3635mm
- or use three  ext. vertically to give 3840 - 4135mm
- or use one  ext. and three  ext. vertically to give 4170 - 4585mm
- or use four  ext. vertically to give 4670 - 5085mm
- or use one  ext. and four  ext. vertically to give 5000 - 5535mm
- or use five  ext. vertically to give 5500 - 6035mm

NB Above dimensions apply to 40/65 & 65/90A.
For 95/130A add 125 to the above

Applicable to both Flue Kit C and D	(mm)	
	40/90	95/130
Use only one  ext. vertically to give	1510 - 1595	1640 - 1720
Or use only one  ext. vertically to give	2010 - 2095	2140 - 2220
Or use only two  ext. vertically to give	1810 - 2045	1940 - 2170



Extension 1 - 500mm



Extension 2 - 1000mm

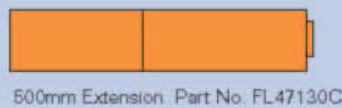
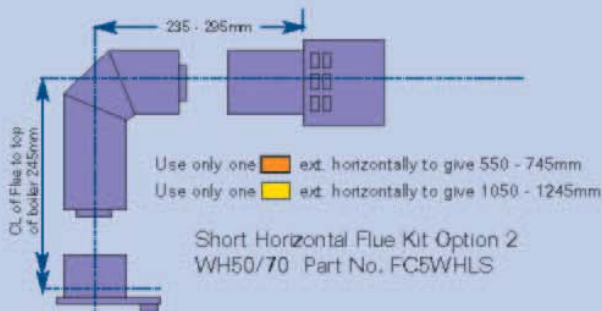
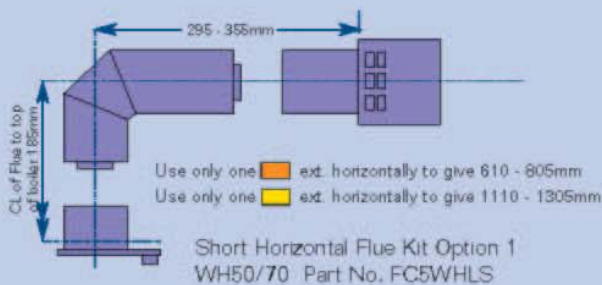
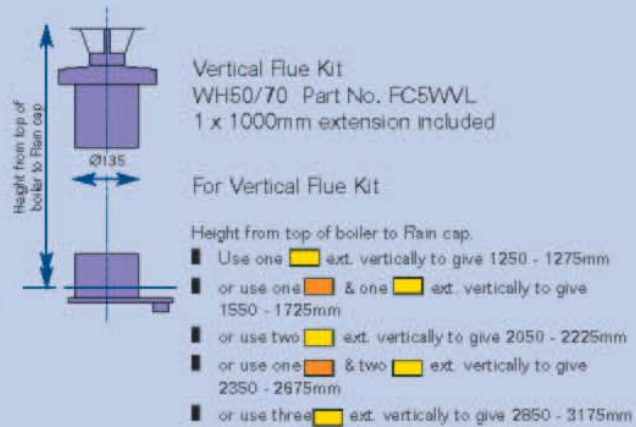
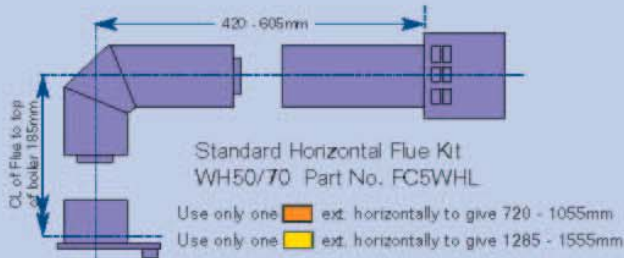


45° Bend

Each 45° bend reduces flue length by 500mm.
Two bends are required to form an offset

Notes: Lengths are all in millimetres.
Do not cut flues or extensions.

Camray 5 wall hung 50/70 Internal Flue Kit extensions



For High Level Horizontal Flue Kits

Use one ext. vertically to give 585 - 635mm
or use one ext. vertically to give 1085 - 1135mm
or use two ext. vertically to give 885 - 1085mm



	Output kW's	Output Btu/h (1000's)	Conventional Flue size (mm)	Low level balanced flue option	High level balanced flue option	Vertical balanced flue option	Suitable for use on a sealed system	Optional plug-in programmer available	Suitable oil	SEDBUK rating and efficiency %
FLOOR STANDING (REGULAR)										
Camray 5 40/65	11.7 - 19	40 - 65	100	✓	✓	✓	✓	✓	28	85.7%
Camray 5 65/90	19 - 26.4	65 - 90	100	✓	✓	✓	✓	✓	28	85.1%
Camray 5 95/130	27.8 - 38.1	95 - 130	125	✓	✓	✓	✓	✓	28	85.6%
Camray 5 150/200	43.9 - 58.6	150 - 200	150	✗	✓	✓	✓	✗	28	85.3%
Camray 5 150/200 Gas Oil	43.9 - 58.6	150 - 200	150	✗	✓	✓	✓	✗	35	85.7%
Camray 5 200/240	58.6 - 70.3	200 - 240	150	✗	✓	✓	✓	✗	28	85.1%
FLOOR STANDING (SYSTEM)										
Camray 5 System 40/65	11.7 - 19	40 - 65	100	rear outlet only	✓	✓	✓	✓	28	85.7%
Camray 5 System 65/90	19 - 26.4	65 - 90	100	rear outlet only	✓	✓	✓	✓	28	85.1%
Camray 5 System 95/130	27.8 - 38.1	95 - 130	125	rear outlet only	✓	✓	✓	✓	28	85.6%
FLOOR STANDING (REGULAR)										
Camray 5 Utility 40/65	11.7 - 19	40 - 65	100	✓	✓	✓	✓	✗		85.7%
Camray 5 Utility 65/90	19 - 26.4	65 - 90	100	✓	✓	✓	✓	✗		85.1%
Camray 5 Utility 95/130	27.8 - 38.1	95 - 130	125	✓	✓	✓	✓	✗		85.6%
FLOOR STANDING (SYSTEM)										
Camray 5 Utility System 40/65	11.7 - 19	40 - 65	100	rear outlet only	✓	✓	✓	✗		85.7%
Camray 5 Utility System 65/90	19 - 26.4	65 - 90	100	rear outlet only	✓	✓	✓	✗		85.1%
Camray 5 Utility System 95/130	27.8 - 38.1	95 - 130	125	rear outlet only	✓	✓	✓	✗		85.6%
COMBI MODELS										
Camray 5 Combi 90	26.4	90	100	✓	✓	✓	✓	✓	28	82.3%
Camray 5 Combi 70	20	70	100	✓	✓	✓	✓	✓	28	82.3%
Camray 5 Combi 55	16	55	100	✓	✓	✓	✓	✓	28	82.9%
EXTERNAL MODELS										
Camray 5 External Combi 90	26.4	90	N/A	N/A	N/A	N/A	✓	✗	28	82.3%
Camray 5 External 40/65	11.7 - 19	40 - 65	N/A	N/A	N/A	N/A	✓	✗	28	85.7%
Camray 5 External 65/90	19 - 26.4	65 - 90	N/A	N/A	N/A	N/A	✓	✗	28	85.1%
WALL MOUNTED										
Camray 5 50/70 (Internal)	15 - 20	50 - 70	100	✓	✗	✓	✓	✗	28	85.1%
Camray 5 50/70 (External)	15 - 20	50 - 70	N/A	N/A	N/A	N/A	✓	✗	28	85.1%

To contact us...

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Email: sales@boulter-buderus.co.uk Website: www.boulter-buderus.co.uk

Boulter Buderus Ltd market the Pathfinder range of commercial gas and oil fired boilers. Details available from the address below.

Boulter Buderus' policy is one of continuous research and development and this may necessitate alterations to this specification from time to time. Therefore before preparing for the installation of the appliance it is important that the instructions issued with the unit are carefully read and adhered to. The statutory rights of the customer are not affected. All information is correct at time of

going to press. Boulter Boilers reserve the right to alter any information where necessary. E&OE.



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05/04/13

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