

Independent

High Efficiency Combination & System Boilers



Independent+ Combi

24 30 35



The Independent+ Combi

The Independent+ is the advanced range of high SEDBUK efficiency rated combination boilers from Ideal, featuring a compact size and a 5 year parts and labour warranty as standard.

Fully modulating down to as low as 4.8 kW, the Independent+ provides excellent energy savings, making it the perfect choice for new or replacement installations.

Available in outputs of 24, 30 and 35 kW, the Independent+ is designed to ensure a quick and hassle free installation thanks to concealed connections and a built-in automatic bypass. A translucent condensate siphon also allows any debris to be spotted quickly and efficiently.

Siting the product is quick and simple too thanks to a range of flue options, push & clip flue turret connections and zero compartment ventilation which allows the product to be installed neatly into a standard kitchen cupboard.

An alphanumeric backlit display provides a clear view description of the heating and hot water functions, together with fault information. Complete with a 5 year parts and labour warranty the Independent+ delivers total home comfort and customer peace of mind.

5 year warranty only valid if registered within 30 days of installation.
Terms and conditions apply, please visit www.idealheating.com for full details.



Features and Benefits



- 5 year parts and labour warranty
- Compact cupboard fit
- Door to timer includes users instructions
- Preheat function
- Wide range of additional flueing options
- Low lift weight (33kg)
- High Sedbuk efficiency
- Built-in frost protection
- Mechanical timer built in as standard

- 75mm deep translucent condensate siphon
- Universal condensate connection
- Automatic bypass
- Stand off kit option
- Pre-piping kit option
- Fully modulating operation to low outputs
- Pump/diverter valve exercise and anti-cycling functions

Independent+ Combi

24 30 35



Flue Lengths

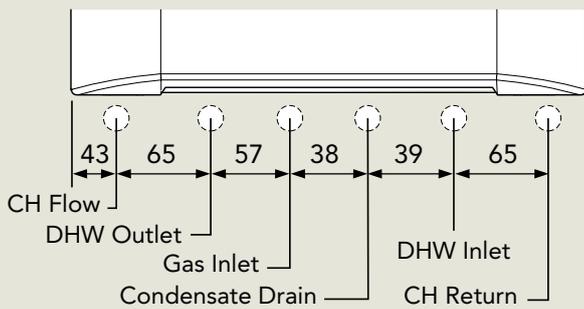
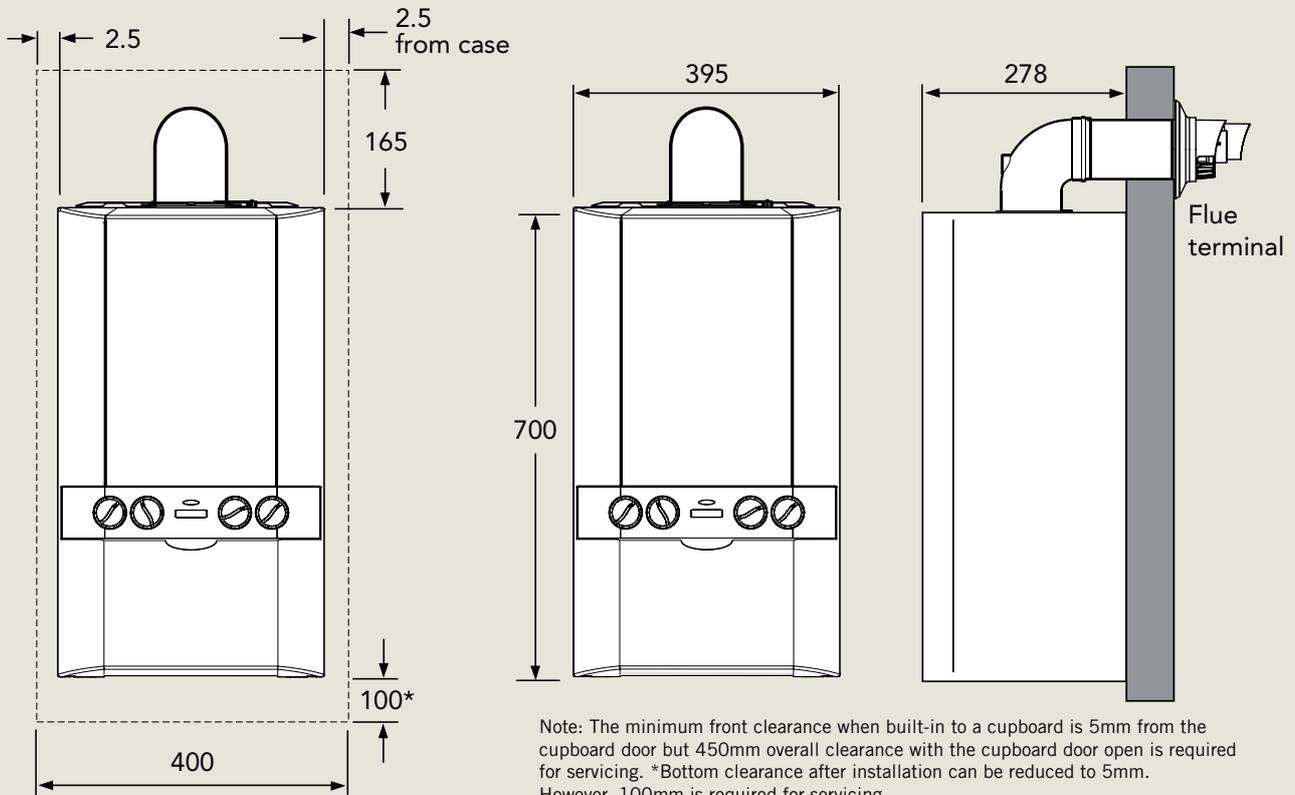
Boiler Model	Independent+			
	24	30	35	
Flues	Max horizontal *	9m	8m	6m
	Max vertical *	7.5m		
	Powered Vertical †	22m		

* Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details.

Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

Boiler Clearances and Dimensions



Independent C Combi

24 30 35



The Independent C

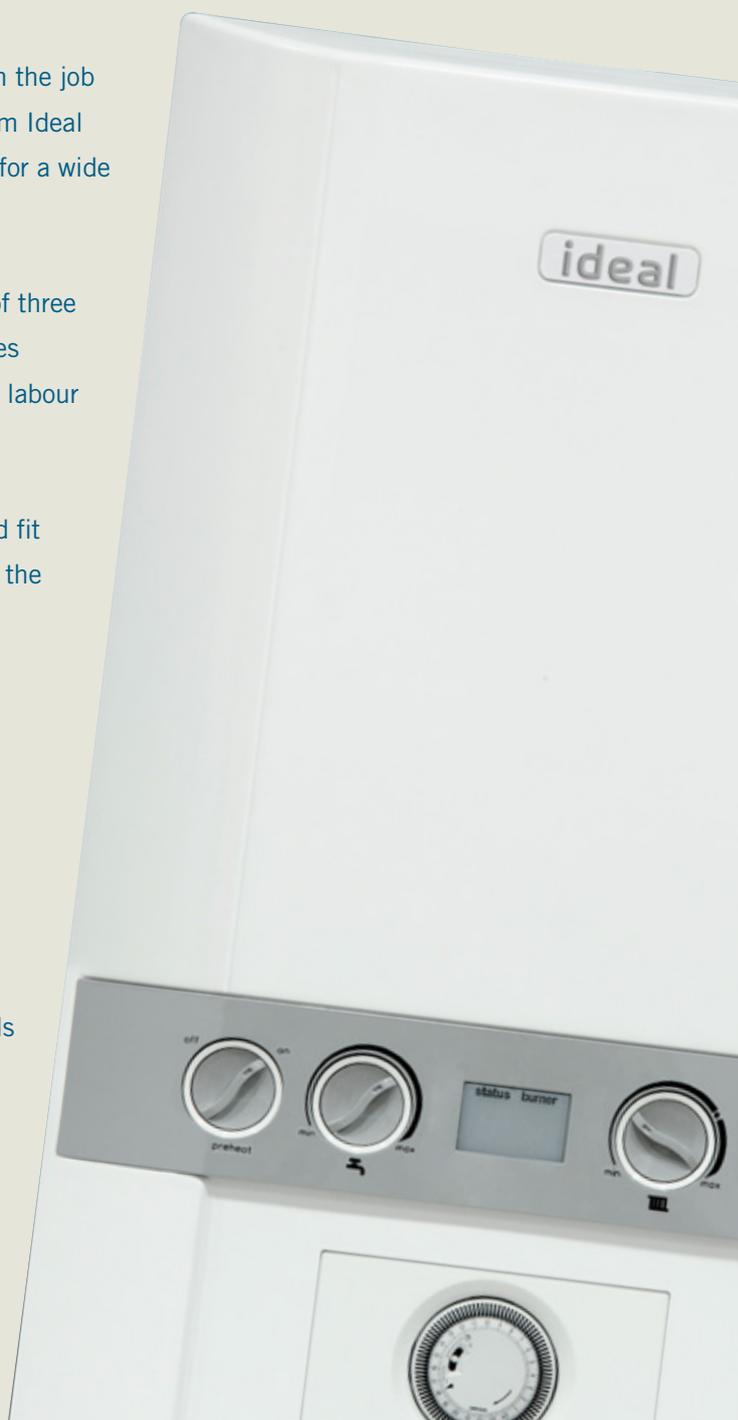
Designed for the busy installer who likes to get on with the job with the minimum of fuss. The Independent range from Ideal provides a cost effective and reliable heating solution for a wide range of domestic installations.

High SEDBUK efficiency and available in the choice of three outputs 24, 30 & 35 kW, the Independent range comes complete with a horizontal flue and a 2 year parts and labour warranty as standard.

With a low lift weight of just 33kgs, compact cupboard fit design, and an automatic by-pass, the Independent is the hassle free combi, perfect for the installer that works alone.

A fast, simple installation can be achieved thanks to clever time saving features such as push & clip flue turret connections, reduced flue terminal clearances and a drop down control panel featuring quick wiring connections.

Complete with domestic hot water temperature controls including a switched pre-heat function, mechanical built-in timer, and a simple digital operating status & diagnostics display, the Independent provides simple and reliable control of the homes heating and hot water performance.



Features and Benefits



- Exceptional value for money
- Tried and tested technology (including Grundfos pump)
- High SEDBUK efficiency
- Quick and easy to install
- Low lift weight (33kg)
- Compact cupboard fit
- Wide range of additional flueing options

- Pump/diverter valve exercise & anti cycling functions
- Boiler frost protection included
- Easy access to all components
- Fast hot water response through DHW preheat
- Digital operating & diagnostics display
- Mechanical timer in-built as standard

Independent C Combi

24 30 35



Flue Lengths

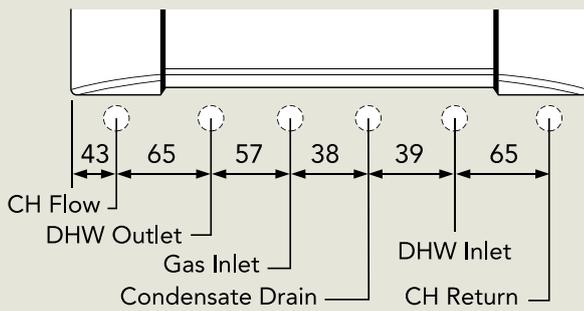
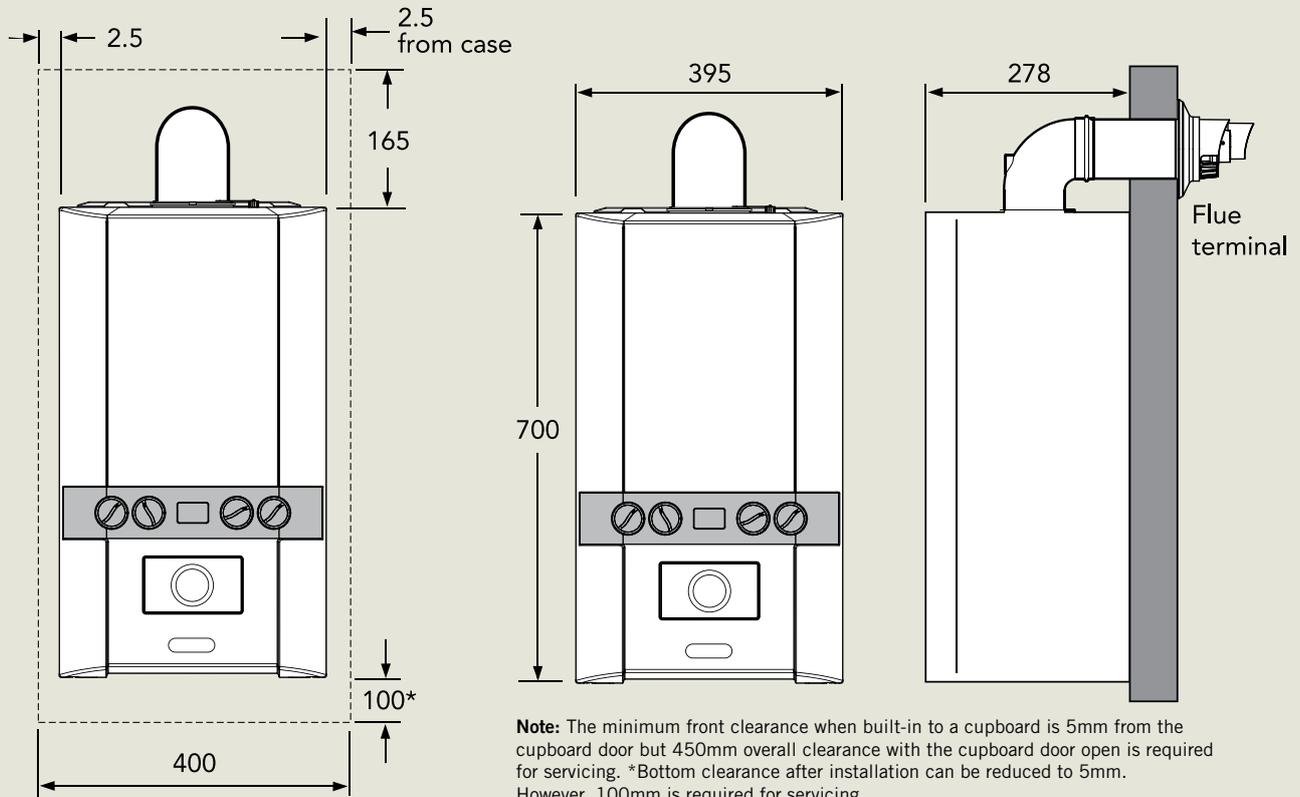
Boiler Model		Independent C		
		24	30	35
Flues	Max horizontal *	9m	8m	6m
	Max vertical *	7.5m		

* Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

† Typical combined primary and secondary length. See installation instructions for more details.

Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

Boiler Clearances and Dimensions



Independent System

15 18 24 30



The Independent System

High SEDBUK efficiency rating and easy to install, the Independent System range of appliances from Ideal provide a simple and reliable solution for a wide variety of sealed domestic systems.

Available in a choice of four outputs - 15, 18, 24 and 30kW, the Independent System provides a dependable and efficient solution for new and replacement installations alike. Siting and installing a Independent System is hassle free thanks to time saving push & clip flue turret connections and a wide range of alternative fluing solutions. All help to ensure the product is installed quickly and efficiently in virtually any domestic situation.

With a lightweight design, concealed connections at the base and no compartment ventilation required, the Independent System can be conveniently fitted out of sight into a standard kitchen cupboard*.

Complete with a 2 year parts and labour warranty and with additional extended warranty options available, the Independent System boiler provides simple heating control, all from a single compact appliance.

*Please check kitchen cupboard size prior to installation.

2 year warranty only valid if registered within 30 days of installation.

Terms and conditions apply, please visit www.idealheating.com for full details.



Features and Benefits



- 2 year parts and labour warranty
- Compact cupboard fit
- Wide range of flueing options
- Concealed pipe connections
- Low lift weight (28kg)**
- Boiler frost protection
- Built in condensate trap
- Digital display and simple diagnostics
- Stand off kit option
- Fully modulating operation down to 4.8kW

**Weight with front panel removed

Independent System

15 18 24 30

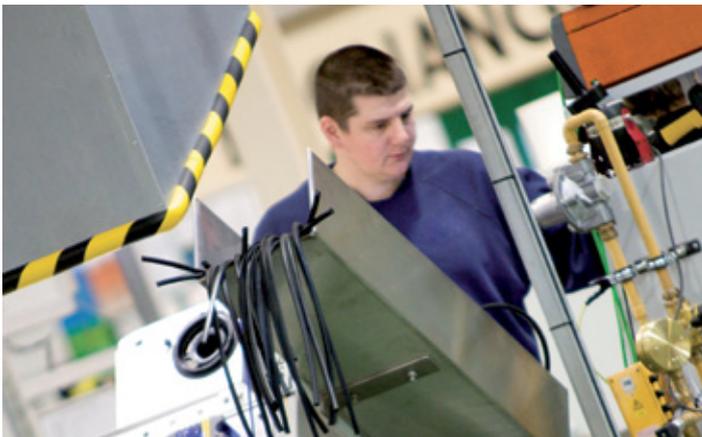
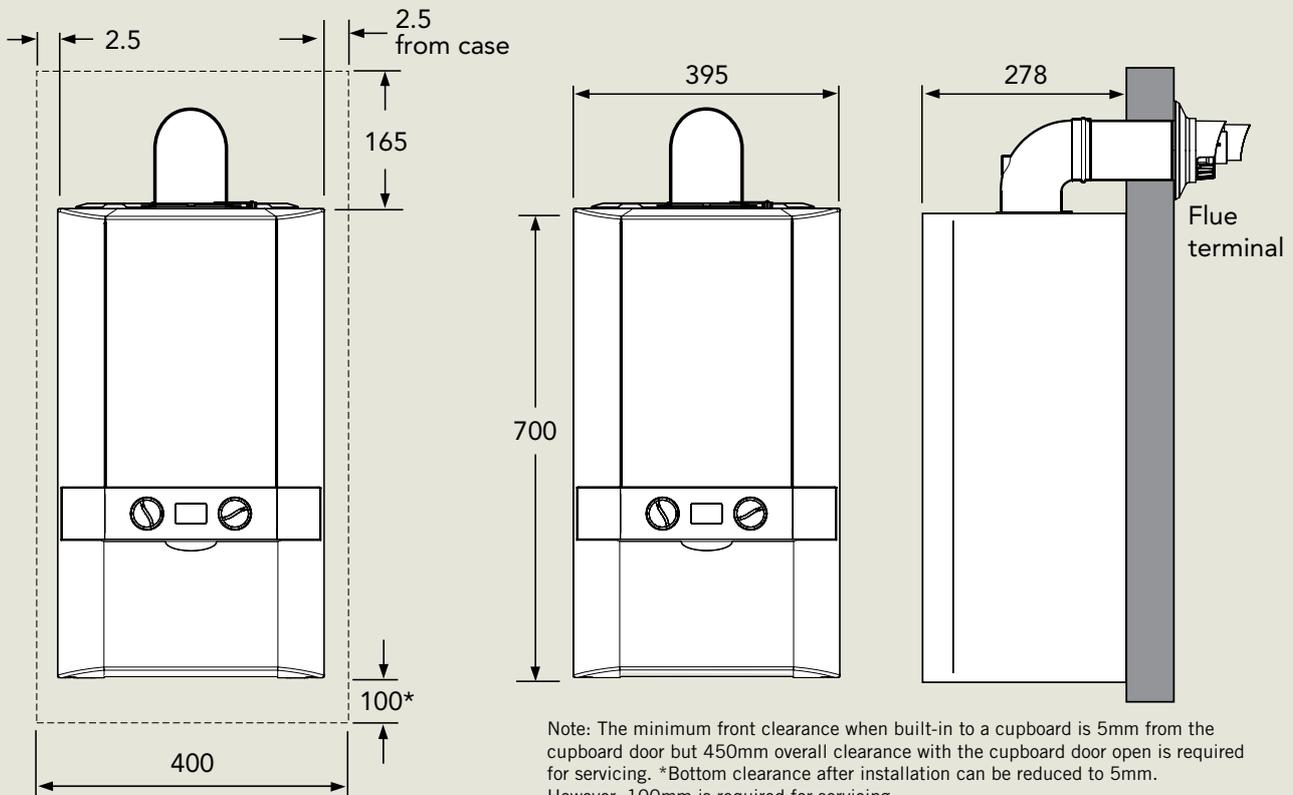


Flue Lengths

Boiler Model		Independent System			
		15	18	24	30
Flues	Max horizontal *	9m	9m	9m	8m
	Max vertical *	7.5m			
	Powered Vertical	22m			

Also available: High Level Flue Outlet Kit

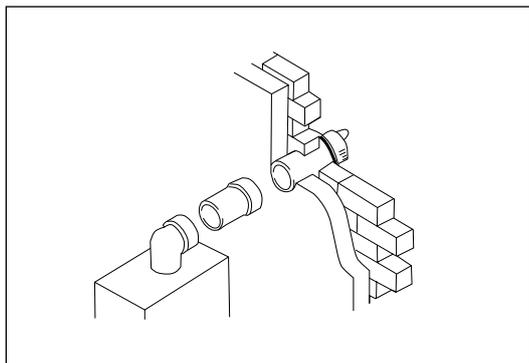
Boiler Clearances and Dimensions



Flueing

Independent

Horizontal Concentric – 100mm Diameters



Note:

The Standard Horizontal B pack flue is supplied unless otherwise requested with the Independent C.

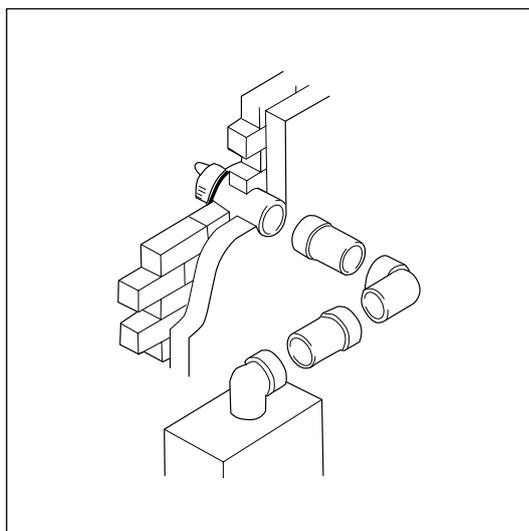
Lengths are from centre line of boiler outlet to outside wall face.

Where extension D Packs are cut to length, flared end connector must be retained.

Flue	Ideal Part No.	Maximum straight flue length (mm)
Standard Horizontal B pack	205380	640
Telescopic B pack flue	205379	575
Standard Horizontal B pack + 6 x extension Pack D	205380 6 x 203129	6340 (35 max length 6m)
Telescopic B pack flue + 6 x extension Pack D	205379 6 x 203129	6275 (35 max length 6m)
Standard Horizontal B pack + 8 x extension Pack D	205380 8 x 203129	8240 (30 max length 8m)
Telescopic B pack flue + 8 x extension Pack D	205379 8 x 203129	8175 (30 max length 8m)
Standard Horizontal B pack + 9 x extension Pack D	205380 9 x 203129	9000 (24 only)
Telescopic B pack flue + 9 x extension Pack D	205379 9 x 203129	9000 (24 only)

Independent

Horizontal Flue with 1 x 90° Elbow



Note:

Lengths are sum of all straight lengths between centre lines/outside wall face.

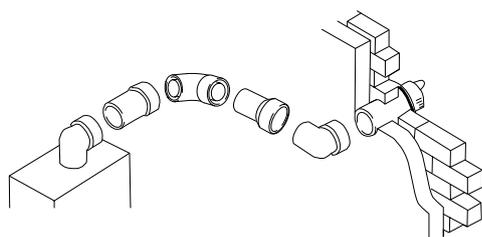
Numbers of extension D packs give flexibility of lengths of straight at either side of elbow.

Where extension D packs are cut to length, flared end connector must be retained.

Flue	Ideal Part No.	Maximum straight flue length (mm)
Standard Horizontal B pack + 90° Elbow	205380 205379	640
Telescopic B pack flue + 90° Elbow	205379 203130	575
Standard Horizontal B pack + 5 x Extension Pack D + 90° Elbow	205380 5 x 203129 203130	5390 (35 max length 5m. + 1x 90° Elbow)
Telescopic B pack flue + 5 x Extension Pack D + 90° Elbow	205379 5 x 203129 203130	5325 (35 max length 5m. + 1x 90° Elbow)
Standard Horizontal B pack + 7 x Extension Pack D + 90° Elbow	205380 7 x 203129 203130	7290 (30 max length 7m. + 1x 90° Elbow)
Telescopic B pack flue + 7 x Extension Pack D + 90° Elbow	205379 7 x 203129 203130	7225 (30 max length 7m. + 1x 90° Elbow)
Standard Horizontal B pack + 8 x Extension Pack D + 90° Elbow	205380 8 x 203129 203130	8000 (24 max length 8m. + 1x 90° Elbow)
Telescopic B pack flue + 8 x Extension Pack D + 90° Elbow	205379 8 x 203129 203130	8000 (24 max length 8m. + 1x 90° Elbow)

Independent

Horizontal Flue with 2 x 90° Elbow



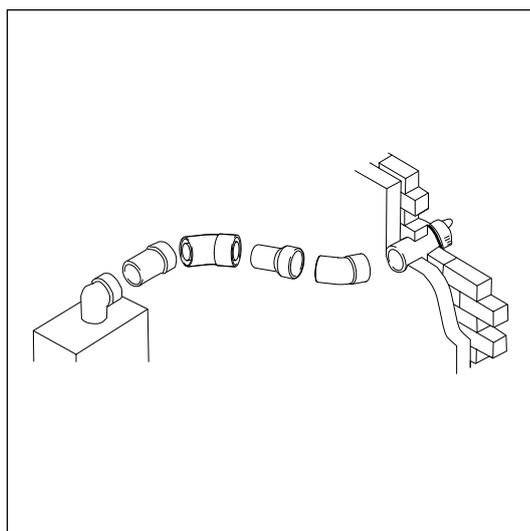
Flue	Ideal Part No.	Maximum straight flue length (mm)
Standard Horizontal B pack + 2 x 90° Elbow	205380 2 x 203130	640
Telescopic B pack flue + 2 x 90° Elbow	205379 2 x 203130	575
Standard Horizontal B pack + 4 x Extension Pack D + 2 x 90° Elbow	205380 4 x 203129 2 x 203130	4440 (35 max length 4m. + 2x 90° Elbow)
Telescopic B pack flue + 4 x Extension Pack D + 2 x 90° Elbow	205379 4 x 203129 2 x 203130	4375 (35 max length 4m. + 2x 90° Elbow)
Standard Horizontal B pack + 6 x Extension Pack D + 2 x 90° Elbow	205380 6 x 203129 2 x 203130	6340 (30 max length 6m. + 2x 90° Elbow)
Telescopic B pack flue + 6 x Extension Pack D + 2 x 90° Elbow	205379 6 x 203129 2 x 303130	6275 (30 max length 6m. + 2x 90° Elbow)
Standard Horizontal B pack + 7 x Extension Pack D + 2 x 90° Elbow	205380 7 x 203129 2 x 203130	7000 (24 max length 7m. + 2x 90° Elbow)
Telescopic B pack flue + 7 x Extension Pack D + 2 x 90° Elbow	205379 7 x 203129 2 x 203130	7000 (24 max length 7m. + 2x 90° Elbow)

Note:

Lengths are sum of all straight lengths between centre lines/outside wall face.
Numbers of extension D packs give flexibility of lengths of straight at either side of elbow.
Where extension D packs are cut to length, flared end connector must be retained.

Independent

Horizontal Flue with 2 x 45° Elbow



Flue	Ideal Part No.	Maximum straight flue length (mm)
Standard Horizontal B pack + 2 x 45° Elbow	205380 203131	640
Telescopic B pack flue + 2 x 45° Elbow	205379 203131	575
Standard Horizontal B pack + 5 x Extension Pack D + 2 x 45° Elbow	205380 5 x 203129 203131	5390 (35 max length 4.8m. + 2 x 45 Elbow)
Telescopic B pack flue + 5 x Extension Pack D + 2 x 90° Elbow	205379 5 x 203129 203131	5325 (35 max length 4.8m. + 2 x 45 Elbow)
Standard Horizontal B pack + 7 x Extension Pack D + 2 x 45° Elbow	205380 7 x 203129 203131	7290 (30 max length 6.8m. + 2 x 45 Elbow)
Telescopic B pack flue + 7 x Extension Pack D + 2 x 45° Elbow	205379 7 x 203129 203131	7225 (30 max length 6.8m. + 2 x 45 Elbow)
Standard Horizontal B Pack + 8 x Extension Pack D + 2 x 45° Elbow	205380 8 x 203129 203131	7800 (24 max length 7.8m. + 2 x 45 Elbow)
Telescopic B pack flue + 8 x Extension Pack D + 2 x 90° Elbow	205379 8 x 203129 203131	7800 (24 max length 7.8m. + 2 x 45 Elbow)

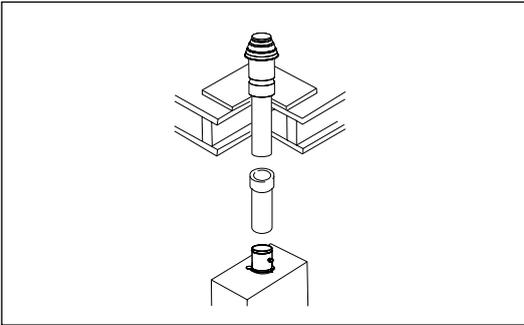
Note:

Lengths are sum of all straight lengths between centre lines/outside wall face.
Numbers of extension D packs give flexibility of lengths of straight at either side of elbow.
Where extension D packs are cut to length, flared end connector must be retained.

Flueing

Independent

Roof Flue System



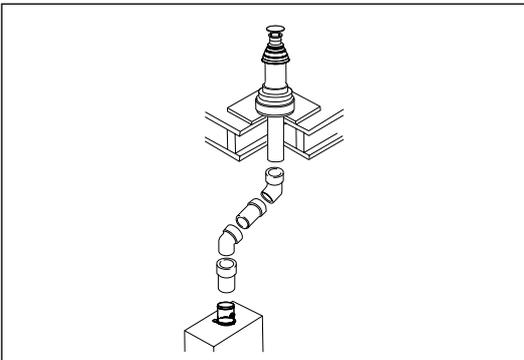
Flue	Ideal Part No.	Maximum straight flue length (mm)
Roof Flue Kit + Vertical Connector + Weather Collar	203132 204645 152258/152259*	1325
Roof Flue Kit + Vertical Connector + 7 x (max) Extension Pack D + Weather Collar	203132 204645 7 x 203129 152258/152259*	7500

Note:

* 152258: universal weather collar (suits any roof pitch) 152259: flat roof weather collar

Independent

Roof Flue System with 2 x 45° Elbow



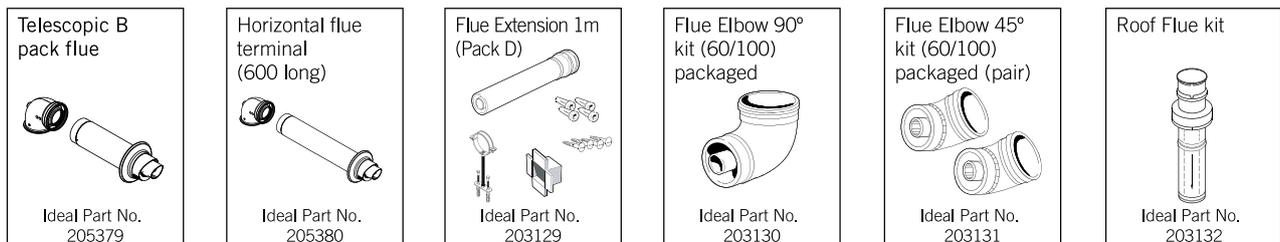
Flue	Ideal Part No.	Maximum straight flue length (mm)
Roof Flue Kit + Vertical Connector + 6 x (max) Extension Pack D + 2 x 45° Elbow + Weather Collar	203132 204645 6 x 203129 203131 152258/152259*	6300

Note:

* 152258: universal weather collar (suits any roof pitch)
152259: flat roof weather collar

Independent

Flueing accessories



Flueing Accessories	Ideal Part No.
Flue vertical connector	204645
Flue Deflector 60 dia	203137
Weather Collar (Universal) 100mm	152258
Weather Collar (flat roof) 100mm	152259
Flue Finishing Kit	155988

Installation Accessories	Ideal Part No.
Pre-piping Kit*	205333
Stand-off Kit	205335
Weather Compensation Kit*	205337
DHW Expansion vessel Kit	205419
Condensate Pump Kit	159991
RF Mechanical Programmable Room Thermostat Kit*	204630

Note:

* Independent C and Independent+ C only

Independent

High Level Flue Outlet Kit

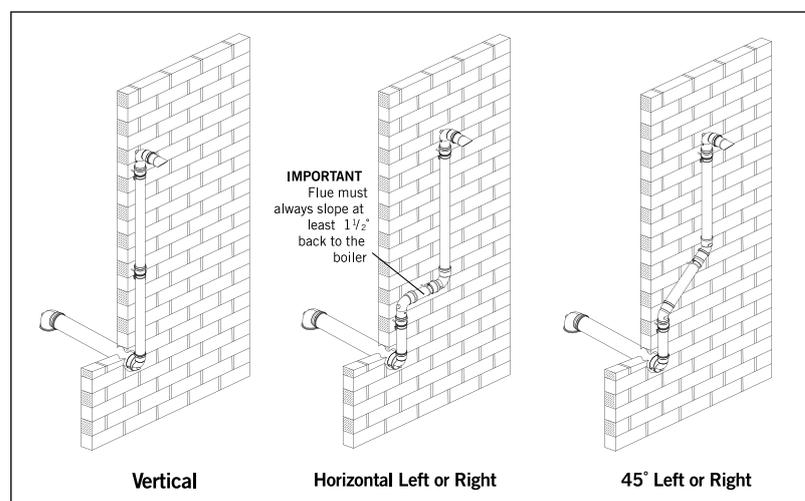
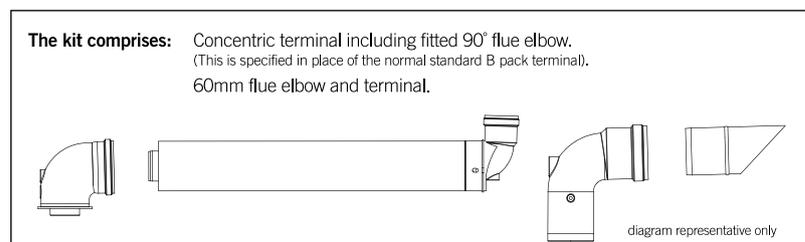
These easy to install kits allow the boiler flue outlet to be extended external to the building, upwards to provide a flue exit at high level, overcoming problems associated with plume emission.

An external 60mm diameter flue leads from the boiler terminal (which includes a 90° elbow at the flue exit) to terminate with a 90° elbow complete with grille. Push fit one metre extension pipes are used as required, and the fixing clips supplied support the system from the wall. Both 90° and 45° elbows are available to provide routing options.

Independent C	Ideal Part No.
High Level Flue Outlet Kit	205381
1m x 60mm extension pipe (with bracket)	203228
90° Elbow	203229
45° Elbow (pair)	203230

If additional elbows to those supplied in the High Level Flue Outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.

Independent C	Metres
90° Elbow	1.4
45° Elbow (pair)	1.25



Technical Specification

Boiler Model		Independent+ Combi		
		24	30	35
Size	Casing dimensions (h w d)(mm)			
	Height	700		
	Width	395		
	Depth	278		
	Weight (packed) kg	37.7	37.8	38
	Maximum Installation Weight kg	32.7	32.8	33
Performance	CH output (kW) Min/Max @ 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) Min/Max @ 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) Max	24.2	30.3	35.3
	DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
	SEDBUK % (2005)	91.0	91.1	91.0
	SEDBUK % (2009)	89.0	89.0	88.9
	NOx Classification	CLASS 5		
	Adjustable to LPG	No		
Construction	Heat exchanger material	Aluminium - Silicon Alloy		
	Burner type	Downward firing Pre-mix		
	Fully modulating	Yes		
	DHW plate heat exchanger	Yes		
	Integrated hydroblock	Yes		
Installation	Suitable for sealed systems	Yes		
	Suitable for open-vent systems	No		
	Flow regulator	Yes		
	In-built system bypass	Yes		
	In-built condensate trap/siphon	Yes		
	In-built boiler frost protection	Yes		
	Zero compartment ventilation	Yes		
Clearances	Top (mm) (from top of boiler)	165		
	Side (mm)	2.5		
	Bottom (mm)	100*		
	Front (mm)	450*		
User Interface	User display	Digital (Alpha/numeric)		
	User interface	Digital display & manual controls		
	Diagnostics	Fault diagnosis display		
	User adjustable	Manual heating & hot water controls		
	'Eco' setting on CH	Yes		
	In-built Programmer	Mechanical timer standard		
Pipes	Pre-piping kit	Optional		
	Stand-off kit	Optional		
Flues	Max horizontal	9m	8m	6m
	Max vertical	7.5m		
Connections *2	Gas Supply Connection	15mm copper compression	15mm copper compression	15mm copper compression
	CH Flow Connection	22mm copper compression	22mm copper compression	22mm copper compression
	CH Return Connection	22mm copper compression	22mm copper compression	22mm copper compression
	Inlet Connection - DHW	15mm copper compression	15mm copper compression	15mm copper compression
	Outlet Connection - DHW	15mm copper compression	15mm copper compression	15mm copper compression
	Condensate Drain	21.5mm	21.5mm	21.5mm

Technical Specification

Boiler Model		Independent C		
		C24	C30	C35
Size	Casing dimensions (h w d)(mm)			
	Height	700		
	Width	395		
	Depth	278		
	Weight (packed) kg	37.2	37.3	37.5
	Maximum Installation Weight kg	32.7	32.8	33
Performance	CH output (kW) Min/Max @ 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
	CH output (kW) Min/Max @ 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
	DHW output (kW) Max	24.2	30.3	35.3
	DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
	SEDBUK % (2005)	91.0	91.1	91.0
	SEDBUK % (2009)	89.0	89.0	88.9
	NOx Classification	CLASS 5		
	Adjustable to LPG	No		
Construction	Heat exchanger material	Aluminium - Silicon Alloy		
	Burner type	Downward firing Pre-mix		
	Fully modulating	Yes		
	DHW plate heat exchanger	Yes		
	Integrated hydroblock	Yes		
Installation	Suitable for sealed systems	Yes		
	Suitable for open-vent systems	No		
	Flow regulator	Yes		
	In-built system bypass	Yes		
	In-built condensate trap/siphon	Yes		
	In-built boiler frost protection	Yes		
	Zero compartment ventilation	Yes		
Clearances	Top (mm) (from top of boiler)	165		
	Side (mm)	2.5		
	Bottom (mm)	100*		
	Front (mm)	450*		
User Interface	User display	Digital (Alpha/numeric)		
	User interface	Digital display & manual controls		
	Diagnostics	Fault diagnosis display		
	User adjustable	Manual heating & hot water controls		
	'Eco' setting on CH	Yes		
	In-built Programmer	Mechanical timer standard		
Pipes	Pre-piping kit	Optional		
	Stand-off kit	Optional		
Flues	Max horizontal	9m	8m	6m
	Max vertical	7.5m		
Connections *2	Gas Supply Connection	15mm copper compression	15mm copper compression	15mm copper compression
	CH Flow Connection	22mm copper compression	22mm copper compression	22mm copper compression
	CH Return Connection	22mm copper compression	22mm copper compression	22mm copper compression
	Inlet Connection - DHW	15mm copper compression	15mm copper compression	15mm copper compression
	Outlet Connection - DHW	15mm copper compression	15mm copper compression	15mm copper compression
	Condensate Drain	21.5mm	21.5mm	21.5mm

* Can be reduced to 5mm for cupboard fit, 450mm required for servicing.

*2 for outputs exceeding 18kW (60,000Btu/h, 28mm primary pipework will be required.

Technical Specification

Boiler Model	Independent System				
	15	18	24	30	
Size	Casing dimensions (h w d)(mm)				
	Height	700			
	Width	395			
	Depth	278			
	Weight (packed) kg	34.4			
	Maximum Installation Weight kg	28.0			
Performance	CH output (kW) Min/Max @ 70°C	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
	CH output (kW) Min/Max @ 40°C	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
	DHW output (kW) Max	N/A			
	DHW flow rate l/min. 35°C rise	N/A			
	SEDBUK (2009) %	89.3	89.2	89.5	89.6
	NOx Classification	CLASS 5			
	Adjustable to LPG	No			
Construction	Heat exchanger material	Cast Aluminium - Silicon Alloy			
	Burner type	Downward firing Pre-mix			
	Fully modulating	Yes			
	DHW plate heat exchanger	N/A			
	Integrated hydroblock	N/A			
Installation	Suitable for sealed systems	Yes			
	Suitable for open-vent systems	No			
	Flow regulator	N/A			
	In-built system bypass	Yes			
	In-built condensate trap/siphon	Yes			
	In-built boiler frost protection	Yes			
	Zero compartment ventilation	Yes			
Clearances	Top (mm) (from top of boiler)	165			
	Side (mm)	2.5			
	Bottom (mm)	100			
	Front (mm)	450*			
User Interface	User display	Digital (Alpha/numeric)			
	User interface	Digital display & manual controls			
	Diagnostics	Fault diagnosis display			
	User adjustable	Manual heating control			
	'Eco' setting on CH	Yes			
	In-built Programmer	No			
Pipes	Stand-off kit	Yes			
Flues	Max horizontal	9m		8m	
	Max vertical	7.5m			
	Powered Vertical	22m			
Connections *2	Gas Supply Connection	15mm			
	CH Flow Connection	22mm			
	CH Return Connection	22mm			
	Inlet Connection - DHW	N/A			
	Outer Connection - DHW	N/A			
	Condensate Drain	21.5mm			

Ideal Service & Support

Service

Our dedicated service team of engineers are fully trained to exacting standards and are Gas Safe* registered, provide one-to-one advice on the road, over the phone or via the net to thousands of customers each year.

Support

When you choose to work with Ideal, you can be confident to know that you're partnering with a British manufacturer that's supported by a dedicated national service team, delivering help and advice to you and your customers, 364 days a year.

Our rigorous research and development procedures and manufacturing quality control checks, ensures that all of our products are produced to the highest of standards, delivering total home comfort and peace of mind.

Training

Here at Ideal, we understand that as a heating engineer, you want the confidence and knowledge to be able to install and service a wide range of products.

With this in mind, we have created a series of one and two day product training courses on all of our domestic boilers and renewable technologies.

Providing a mix of hands-on and theory based classroom learning, each Ideal training course has been designed specifically with the heating engineer in mind.

For more information, please contact the training department on 01482 498432

After-sales

Our call centre team based in Hull are comprehensively trained to provide tailored advice to homeowners and the trade.

Installer helpline **01482 498663**

Homeowner helpline **01482 498660**

Monday - Friday	8am - 5pm
Saturday	8am - 2pm
Sunday	8am - 12pm



Notes

Notes

Ideal Heating

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