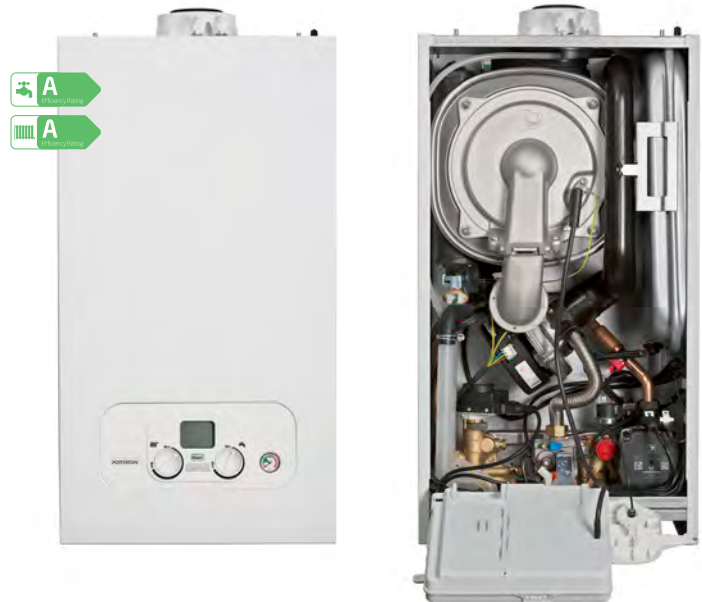


# Assure Combi 25kW-36kW

## High Efficiency Wall Hung Condensing Gas Boiler

The Potterton Assure Combi has many smart features to make installation and maintenance faster, easier and more efficient. Suitable for both new build and refurbishment projects.



### Features

- Outputs: 25kW, 30kW and 36kW
- Compact cupboard fit
- Built in stand off frame within boiler casing
- Lift weight from 29kg
- Vertical packaging
- Fully modulating and highly efficient
- Ease of service
- Designed for servicing and maintenance
- Built in drip tray
- Compatible with Baxi uSense
- IFOS optional outdoor weather sensor available
- Central flue
- Industry leading choice of flue lengths, bends and accessories
- Temporary filling link supplied as standard
- Whisper quiet operation
- 2 Year Warranty\*
- LPG appliances available

### Benefits

- To suit most property sizes
- Can be installed in a 290mm deep cupboard for discreet siting
- Ease of installation, easy to site and pipework neatly concealed within footprint of boiler. Complete with pipe spacing bracket
- For ease of installation
- Allows for ease of access to all installation components from top of the packaging
- Boiler intelligently uses the right amount of fuel to meet the set central heating temperatures, saving money on fuel bills
- No special tools or replacement seals required for standard service
- Maximum access to all components
- Protection against water ingress in extreme weather conditions
- Enables heating to be controlled from your smart phone or tablet
- Enhances system control and customer comfort and complies with Boiler Plus
- For ease of siting and existing boiler replacement
- For maximum siting flexibility
- For ease of filling and topping up system
- Can be installed within living areas without causing disturbance to end users
- For extra peace of mind
- Suitable for rural projects not on gas mains

## Specification

	Units	25	30	36	25 LPG	30 LPG
Sales code		7658129	7658130	7692619	7703806	7703807

### Controls

Reset button		Yes	Yes	Yes	Yes	Yes
User adjustable DHW temperature		Yes	Yes	Yes	Yes	Yes
User adjustable CH temperature		Yes	Yes	Yes	Yes	Yes
LCD temp/status/fault diagnosis display		Yes	Yes	Yes	Yes	Yes

### Gas

Natural gas		Yes	Yes	Yes	No	No
Nominal inlet supply pressure	mbar	20	20	20	37	37
Maximum natural gas rate	m <sup>3</sup> /h	2.71	3.26	3.81	-	-
Maximum LPG gas rate	kg/h	-	-	-	1.98	2.38
Propane LPG		No	No	No	Yes	Yes
Heat input central heating (CH)	kW Max Gross(QnHs)	22.86	28.58	28.58	22.86	28.58
	kW Min Gross(QnHs)	6.87	6.87	7.4	6.87	6.87
Heat output CH non-condensing	kW Max (Pn)	20.00	25.00	25.00	20.00	25.00
	kW min (Pn)	6.20	6.20	6.70	6.20	6.20
Heat output CH condensing	kW max (Pnc)	21.16	26.33	26.33	21.16	26.33
	kW min (Pnc)	6.70	6.70	6.70	6.70	6.70
Heat input domestic hot water	kW Max Gross (QnWHS)	28.6	34.3	40.8	28.6	34.3
Heat output domestic hot water	kW Max (Pn)	25	30	36	25	30

### ErP product information

NOx	mg/kWh	31	31	39	31	31
NOx class		6	6	6	6	6
Space heating efficiency class		A	A	A	A	A
Water heating declared load profile		XL	XL	XL	XL	XL
Water heating efficiency class		A	A	A	A	A
Seasonal space heating energy efficiency	%	93	93	93	93	93
Sound power level, indoors	LwadB	48	51	51	48	51

### Electrical

Electrical supply	Volts/Hz	230/50	230/50	230/50	230/50	230/50
Permanent live required		Yes	Yes	Yes	Yes	Yes
Fitted electrical cable		No	No	No	No	No
Power consumption	Watts	68	78	112	68	78
External fuse rating	Amps	3	3	3	3	3
Internal fuse rating	Amps	F2AH250V	F2AH250V	F2A H250V	F2A H250V	F2A H250V
Ingress protection rating		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D
Integral 'boiler only' frost thermostat		Yes	Yes	Yes	Yes	Yes

#### Outputs

**25, 30 and  
36kW**

#### Installer lift weight

From  
**29kg**

#### No special tools required

**Easy**  
to service

Units	25	30	36	25 LPG	30 LPG
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## Mechanical

		Optional	Optional	Optional	Optional	Optional
Pre-plumbing installation jig		Optional	Optional	Optional	Optional	Optional
Isolating valves		Yes	Yes	Yes	Yes	Yes
Gas supply connection	mm	22	22	22	22	22
Central heating connections	mm	22	22	22	22	22
Domestic hot water connections	mm	15	15	15	15	15
Condensate drain connection	mm	21.50	21.50	21.50	21.50	21.50
Safety discharge connection	mm	15	15	15	15	15

## Hydraulic

Maximum domestic hot water flow rate	l/min @ 35°C rise	10.2	12.2	15.0	10.2	12.2
Domestic hot water operating flow rate (min)	l/min	2.00*	2.00*	2.00*	2.00*	2.00*
Domestic hot water operating pressure (min)	bar	0.5	0.5	0.5	0.5	0.5
Domestic hot water system pressure (max)	bar	8	8	8	8	8
Central heating safety discharge pressure	bar	3	3	3	3	3
Temporary rigid filling loop included		Yes	Yes	Yes	Yes	Yes
Integral automatic boiler bypass		Yes	Yes	Yes	Yes	Yes
Integral expansion vessel capacity	litres	7	7	7	7	7
Max capacity of central heating system	litres	100	100	100	100	100
Compartment ventilation requirement		No	No	No	No	No
Central heating system inhibitor required		Yes	Yes	Yes	Yes	Yes
24 hour pump exercise		Yes	Yes	Yes	Yes	Yes
Pump overrun		Yes	Yes	Yes	Yes	Yes

## Concentric flue systems

Concentric flue diameters	mm	60/100 and 80/125				
Standard horizontal flue kit length (60/100mm)	mm	685	685	685	685	685
Standard horizontal telescopic flue length (60/100mm)	mm	315-500	315-500	315-500	315-500	315-500
Max equiv length horizontal/vertical (60/100mm)	m	10	10	10	10	10
Max equiv length horizontal/vertical (80/125mm)	m	20	20	20	20	20
Equivalent length per 135° bend	m	0.50	0.50	0.50	0.50	0.50
Equivalent length per 93° bend	m	1.00	1.00	1.00	1.00	1.00

## Weights

Max installation lift weight	kg	29.2	29.2	30.5	29.2	29.2
Gross packaged boiler weight	kg	32.2	32.2	33.5	32.2	32.2

Experts in  
public sector  
housing and  
newbuild

Manufactured  
in the UK  
for 150 years

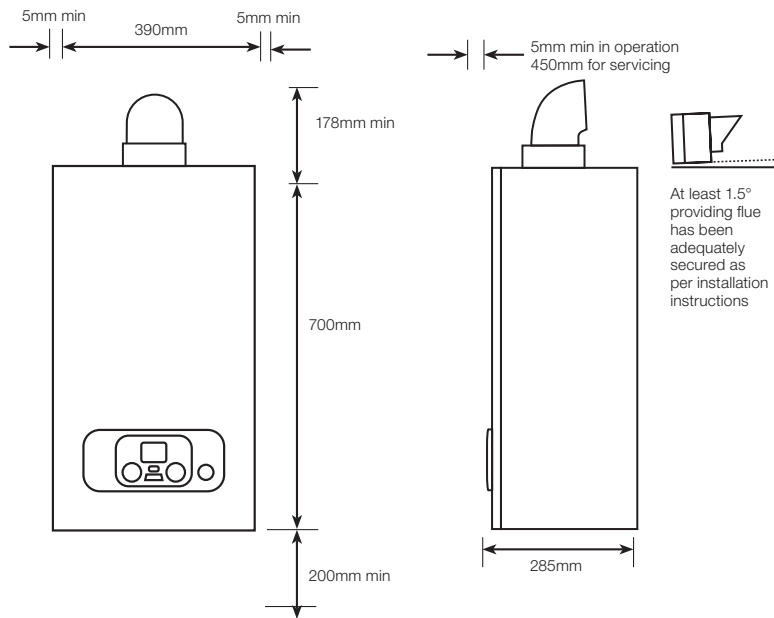
Our boilers  
use tried  
and tested  
technology



\*Where low flow taps or fittings are intended to be used in the DHW system connected it is strongly recommended that the DHW flow rate DOES NOT fall below 2.5 l/min. This will ensure reliable operation of DHW function

# Dimensions

## Assure Combi 25kW - 36kW



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