

You can rely on **POTTERTON**



Combi boiler

Potterton Heatmax Combi HE

POTTERTON

Potterton Heatmax Combi HE



A range of high-efficiency combi boilers that are quick and easy to install in a wide range of homes.

As flexible as they are reliable, each model offers built-in frost protection and comes with a 2 year warranty.

Key features and benefits

- 24kW, 28kW and 33kW wall-mounted models
- Fully modulating outputs from 6.8 kW to 33 kW suitable for a wide range of installations
- Supplied complete with wall-mounting jig for easy installation
- Built-in two stage frost protection prolongs appliance lifespan and saves time during installation
- Comprehensive range of fluing options for easy siting
- Optional space frame kit available to allow routing of pipes behind the boiler
- Compatible with the Potterton Single Channel Wireless Programmable Room Thermostat
- Filling loop supplied as standard



Integral Frost Protection



Flue lengths up to 20m give you siting flexibility



2 year warranty



Ultra-low NOx emissions. Class 5 (the best)

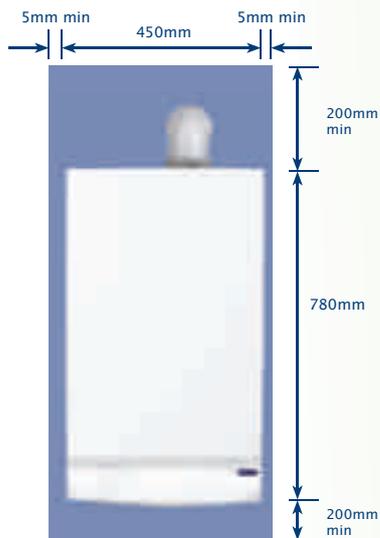


Can be situated in an unventilated cupboard

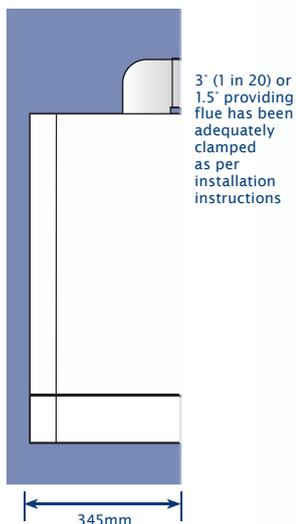


SEDBUK Band A

Technical Information - 24, 28 & 33 kW



NB. Flue is offset to the right.



Potterton Heatmax Combi HE	Units	24kW	28kW	33kW
Sales Code (Boiler)		720035601	720035701	720035801
EAN No.		5033313019143	5033313019150	5033313019167
Gas Council Number		4739327	4739328	4739329
Controls				
Concealed User Controls		Yes	Yes	Yes
Operating mode selector switch with reset		Yes	Yes	Yes
User adjustable DHW temperature		Yes	Yes	Yes
User adjustable CH temperature		Yes	Yes	Yes
LCD Operating Status Display		Yes	Yes	Yes
LED Operating Status Display		Yes	Yes	Yes
Integral 24hr Electro-Mechanical Timer		Optional	Optional	Optional
Integral 7 day Electronic Timer		Optional	Optional	Optional
Single Channel Wireless Programmable Room Thermostat		Optional	Optional	Optional
Gas				
Gas (Natural Gas/LPG)		NG	NG	NG
Inlet Supply Pressure	mbar	20	20	20
Maximum Gas Rate	m ³ /hr	2.61	3.06	3.6
Central Heating Input (max)	kW	22.7	27.4	32.1
Central Heating Output - Condensing (max)	kW	21	25.9	30.3
Central Heating Output - Non Condensing (max)	kW	20	24	28
Domestic Hot Water Input (max)	kW	27.4	32.1	37.7
Seasonal Efficiency	%	91.1	91.1	91.1
SEDBUK Rating	Band	A	A	A
NOx Class		5	5	5
NOx Levels	mg/kWhr	22.3	26	21.8
EcoHomes	Credits	3	3	3
Electrical				
Electrical Supply	Volts/Hz	230/50	230/50	230/50
Permanent Live Required		Yes	Yes	Yes
Power Consumption	Watts	155	155	160
External Fuse Rating	Amps	3	3	3
Boiler IPX Rating (Electrical Protection)		IPX5D	IPX5D	IPX5D
Integral 'Boiler Only' Frost Thermostat		Yes	Yes	Yes
Mechanical				
Wall Mounting Jig		Yes	Yes	Yes
Isolating Valves		Yes	Yes	Yes
Gas Supply Connection	mm	22	22	22
Central Heating Connections	mm	22	22	22
Domestic Hot Water Connections	mm	15	15	15
Condensate Drain Connection	mm	21.5	21.5	21.5
Safety Discharge Connection	mm	15	15	15
Filling Loop Kit		Optional	Optional	Optional
Hydraulic				
Domestic Hot Water Output (Raised 35°C) (max)	l/min	9.8	11.5	13.5
Domestic Hot Water Operating Flow Rate (min)	l/min	2	2	2
Domestic Hot Water Operating Pressure (min)	bar	0.15	0.15	0.15
Domestic Hot Water System Pressure (max)	bar	8	8	10
Safety Discharge Discharge Pressure	bar	3	3	3
Integral Automatic Bypass		Yes	Yes	Yes
Integral Expansion Vessel Capacity	litres	8	8	8
CH System Capacity (max)	litres	125	125	155
Compartment Ventilation Required		No	No	No
24hr Pump Exercise		Yes	Yes	Yes
Pump Overrun		Yes	Yes	Yes
Concentric Flue Systems				
Concentric Flue Diameter	mm	100/125	100/125	100/125
Concentric Flue Length	mm	685	685	685
Max. Equivalent Vertical Length (Ø 60/100)	m	10	10	10
Max. Equivalent Vertical Length (Ø 80/125)	m	20	20	20
Max. Equivalent Horizontal Length (Ø 60/100)	m	10	10	10
Max. Equivalent Horizontal Length (Ø 80/125)	m	20	20	20
Twin Flue System				
Twin Pipe Flue Diameter	mm	80/80	80/80	80/80
Max. Equivalent Vertical Length	m	15	15	15
Max. Equivalent Horizontal Length	m	15	15	15
Plume Displacement Kit				
Max. Equivalent Vertical Length	m	13	14	8
Weights				
Gross Packaged Boiler Weight	kg	48.6	49.2	51
Packaged Boiler Dimensions (LxWxD)	mm		964 x 540 x 403	

Flue Options

The standard flue is suitable only for horizontal termination applications. Maximum permissible equivalent flue lengths are:

Horizontal Concentric	10/20* metres
Vertical Concentric	10/20* metres

* Dependent on flue system used.

Any additional 'in line' bends in the flue system must be taken into consideration.

Their equivalent lengths are:

Concentric Pipes:	135° bend	0.5 metres
	93° bend	1.0 metres

The elbow is now supplied with the flue system (not the appliance) and is not included in any equivalent length calculations.

The Multifit flue illustrations show examples of permissible flue lengths. Instructions for guidance and fitting are included in each kit, where appropriate.



The Potterton Heatmax Combi HE can be fitted with the following flue systems:

Horizontal Concentric	Flue System A Flue System G
Vertical Concentric	Flue System A Flue System G
Plume Displacement Kit	Flue System K

Contacts:

General Enquiries Tel: 0844 8711 560

For further information visit: www.potterton.co.uk/heatmax

Please note - calls to the contact centre may be recorded or monitored.

Potterton

A Baxi Group Company.

Brooks House, Coventry Road, Warwick CV34 4LL.

Website: www.potterton.co.uk



This Brochure is printed on paper made from trees grown in a sustainable forest. It is 100% recyclable and conforms to ISO 14001 Environmental Certification. The inks used to print this document are soya based, which are 100% recyclable and significantly more environmentally friendly than traditional solvent based inks.

POTTERTON

Potterton policy is one of continual improvement and development. The right to change specification and appearance without prior notice is reserved. The reproduction of colours is as accurate as photographic and printing processes allow. The consumer's statutory rights are not affected. e&oe

P/Heatmax/0409/V1

You can rely on **POTTERTON**

