

# Specifications for Ultra Heat

<b>Potterton Ultra Heat</b>						
	Units	12	15	18	21	24
Sales code	Boiler only	7668243	7668243	7668245	7668246	7668247
<b>Controls</b>						
Operating mode selector switch with reset	Yes / no	Yes	Yes	Yes	Yes	Yes
User adjustable CH temperature	30 °C to 80 °C	Yes	Yes	Yes	Yes	Yes
LED temp/status/fault diagnosis display	Yes / no	Yes	Yes	Yes	Yes	Yes
<b>Gas</b>						
SAP 2009 annual efficiency (PCDB/ SEDBUK)	%	89.2	89.2	89.2	89.1	89.1
NOx class (5 being the lowest)	1 - 5	5	5	5	5	5
<b>ErP product information</b>						
NOx	mg/kWh	18	20	21	24	24
Sound power level, indoors	LWA dB	32	33	34	37	37
Space heating efficiency class		A	A	A	A	A
Heat input CH	kW max gross (QnHs)	14.88	18.32	21.75	28.62	34.35
	kW min gross (QnHs)	8.59	8.59	8.59	8.59	8.59
Heat output CH (non condensing)	kW max (Pn)	13	16	19	25	30
	kW min (Pn)	7.5	7.5	7.5	7.5	7.5
Gas supply pipe size	(mm)	22	22	22	22	22
Inlet supply pressure (natural gas)	mbar	20	20	20	20	20
Maximum gas rate	m3/hr	1.42	1.75	2.07	2.73	3.27
<b>Electrical</b>						
Electrical supply	Volts/Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/Hz
Permanent live required	Yes / no	No	No	No	No	No
Switched live	Yes / no	Yes	Yes	Yes	Yes	Yes
Electrical power cable fitted as standard	1m of 3 core	Yes	Yes	Yes	Yes	Yes
Power consumption	Watts	17	20	23	33	44
External fuse rating	Amps	3	3	3	3	3
Internal fuse rating		1.6T	1.6T	1.6T	1.6T	1.6T
Boiler IP rating (electrical protection)	Approval category	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
<b>Mechanical and hydraulic</b>						
Compartment ventilation required	Yes / no	No	No	No	No	No
Flow / return pipe size	(mm)	22	22	22	22	22
Condensate discharge pipe size	(mm)	21.50	21.50	21.50	21.50	21.50
<b>Concentric flue systems</b>						
Standard telescopic concentric flue	Length in mm	315-500	315-500	315-500	315-500	315-500
Horizontal concentric (60/100mm)	Max equivalent length (m)	6	6	6	6	6
	Reduction per 135° bend (m)	0.5	0.5	0.5	0.5	0.5
	Reduction per 93° bend (m)	1	1	1	1	1
Horizontal concentric (80/125 mm)	Max equivalent length (m)	12	12	12	12	12

**Twin pipe flue system**

Horizontal twin tube (80/80 mm)	Max equivalent length (both tubes in parallel) (m)	9	9	9	9	9
	Reduction per 135° bend (m)	0.25	0.25	0.25	0.25	0.25
	Reduction per 93° bend (m)	0.5	0.5	0.5	0.5	0.5
<b>Weight</b>						
Installer lift weight	Max (kg)	19.5	19.5	19.5	19.5	19.5
Gross packaged boiler weight	(kg)	21.5	21.5	21.5	21.5	21.5