

Paramount four

Wall hung boiler

The new generation Paramount four is a wall hung condensing gas boiler that's meticulously designed using the latest tried and tested technology to maximise efficiency. Manufactured to the latest ISO standards, all outputs exceed the requirements of Building Regulations Part L, delivering exceptional energy efficiency and ultra-low NO_x emissions.



Features

Available in a wide range of outputs.

Lightweight aluminium heat exchanger.

Room sealed flue.

Built-in controller.

ErP rating A.

Slimline compact design.

Weather sensor.

Compatible with renewables.

Low NO_x emissions (class 5) score maximum BREEAM points.

6:1 modulation ratio.

Benefits

Outputs of 30, 40, 50, 60, 80, 95 and 115kW as a single boiler and up to 460kW using a cascade kit.

The precision built one-piece heat exchanger provides reliable, highly efficient heat transfer.

Suitable for use in occupied spaces.

User friendly control panel includes operation control system status, weather compensation, timer for heating and DHW, fault diagnostics and, where relevant, cascade operation.

As with all Potterton boilers of up to 70kW, the Paramount four has an ErP rating of A as a result of its impressive efficiency.

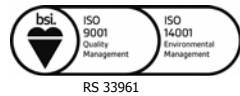
At just 480mm wide, its slimline, lightweight design makes it the perfect choice where space is at a premium.

A weather sensor is included as standard, which intuitively manages boiler output according to outside conditions.

Works with combined heat and power, solar thermal buffer tanks and other supplementary heat sources.

Our emissions surpass the highest European standards, earning you extra BREEAM points.

Our impressive modulation ratio meets variable heating demands and optimises efficiencies.



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A Baxi Heating Brand
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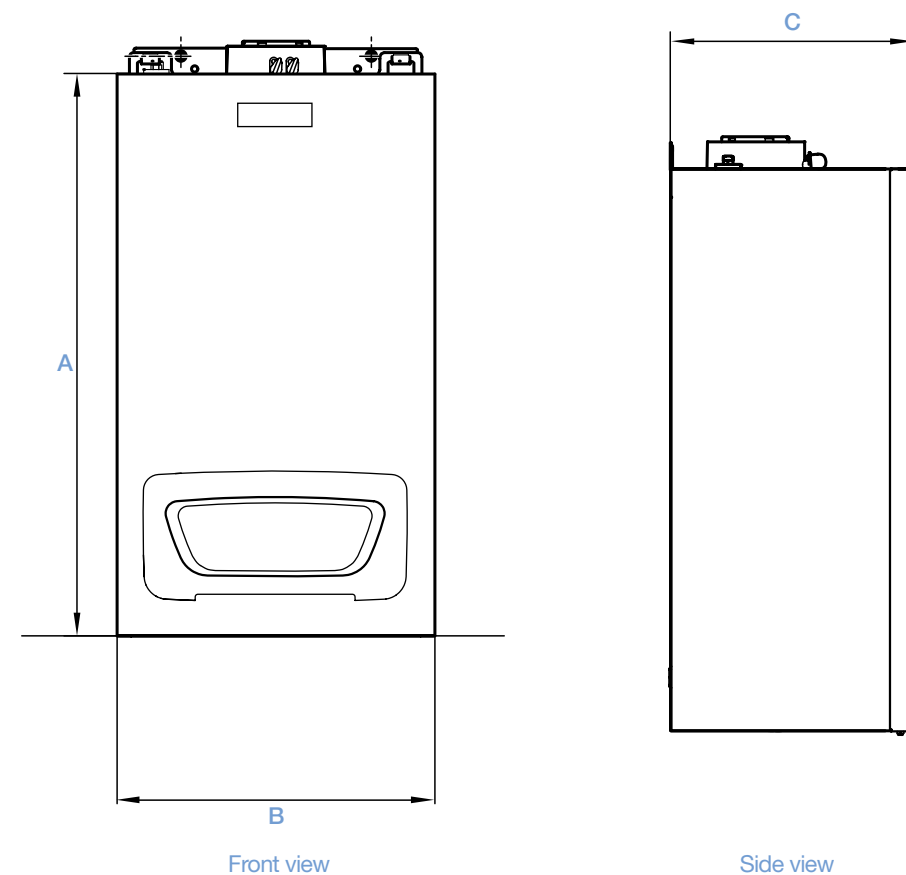
Specification

Performance	Fuel Type		Paramount four 30	Paramount four 40	Paramount four 50	Paramount four 60	Paramount four 80	Paramount four 95	Paramount four 115
Output @ 80/60°C	NG	kW	29.2	37	48.7	56.4	74.9	92.5	111.7
Output @ 50/30°C	NG	kW	31.2	39.6	52.1	60.4	80.2	98.6	119.3
Input (gross) maximum	NG	kW	33.3	42.2	55.5	64.4	85.5	105.4	127.6
Output @ 80/60°C	LPG	kW	29.2	37	48.7	56.4	74.9	92.5	111.7
Output @ 50/30°C	LPG	kW	31.2	39.6	52.1	60.4	80.2	98.6	119.3
Input (gross) maximum	LPG	kW	32.6	41.3	54.3	63	83.6	103.1	124.9
Efficiency			Value (%)						
Efficiency @ 80/60°C - 100% load	% gross		87.6	87.7	87.7	87.7	87.7	87.8	87.6
Efficiency @ 50/30°C - 30% load	% gross		97.9	97.8	97.9	97.8	97.8	98.0	97.8
Seasonal space heating efficiency (ErP)	% gross		93	93	93	93	N/A	N/A	N/A
Part L2 seasonal efficiency	% gross		96.3	95.3	95.6	95.7	96.2	95.8	95.7
Gas									
Gas consumption maximum (natural gas)	m ³ /h		3.2	4.0	5.3	6.1	8.1	10.1	12.2
Gas consumption maximum (LPG)	Kg/h		2.33	2.95	3.89	4.51	5.98	7.38	8.94
Inlet gas pressure (natural gas-G20)	m/bar		18 - 25						
Inlet gas pressure (LPG-G31)	m/bar		37						
Gas connection size	inch		3/4	3/4	3/4	1	1	1	1
Gas connection type			Parallel Threads						
Flue									
Flue gas volume @ 80/60°C (NG)	m ³ /hr at STP		46.4	58.8	77.4	89.7	119.1	147.1	177.6
Flue gas volume @ 50/30°C (NG)	m ³ /hr at STP		49.6	63.0	82.8	96.0	127.5	156.8	189.7
Flue gas volume @ 80/60°C (LPG)	m ³ /hr at STP		46.4	4.2 - 27.8	77.4	89.7	119.1	147.1	177.6
Flue gas volume @ 50/30°C (LPG)	m ³ /hr at STP		49.6	3.9 - 17.1	82.8	96.0	127.5	156.8	189.7
Max flue gas pressure @ outlet	m/bar		1.1	1.1	1.1	1.1	1.1	1.5	1.8
Hydraulic									
Water flow rate @ 11°C ΔT	l/s		0.63	0.8	1.06	1.22	1.63	2.01	2.43
Water flow rate @ 20°C ΔT	l/s		0.35	0.44	0.61	0.67	0.89	1.1	1.34
Hydraulic resistance @ 11°C ΔT	kPa		26.1	37	23.4	26.9	25.9	38.6	55.9
Hydraulic resistance @ 20°C ΔT	kPa		10.4	14.7	6.2	6.8	8.5	12.5	17.8
Water content	litres		3.6	3.6	4.7	4.7	5.8	7.8	7.8
Flow and return connection size	inches		1	1	1½	1½	1½	1½	1½
Flow and return connection type			Parallel Thread						
Flue connection size	mm		80/125	80/125	110/160	110/160	110/160	110/160	110/160
Max boiler operating pressure	bar		3	3	4	4	4	4	4
Min boiler operating pressure	bar		1						
Maximum flow temperature	°C		85						
General									
Appliance dry weight	Kg		53	53	61	61	72	84	84
NO _x level (Dry at 0% O ₂) EN15502	mg/kWh		17	20	20	20	20	25	30
CO ₂ content –natural gas	%		8.3-8.8			8.5-9.0			
CO ₂ content – LPG	%		10.3-10.8						
Noise levels @ 1 metre from unit (room sealed)	dB(A)		50	53	56	55	55	58	60
High level ventilation* (BS 6644)	cm ²		60	76	100	116	144	190	230
Low level ventilation* (BS 6644)	cm ²		120	152	200	232	288	380	460
Electrical									
Power consumption	W		55	70	88	100	108	160	200
Nominal supply voltage	V / Hz		230 v 1 Ph 50 Hz						

*B type flue

Dimensions

Paramount four 30-115kW



			Paramount four 30	Paramount four 40	Paramount four 50	Paramount four 60	Paramount four 80	Paramount four 95	Paramount four 115
Dimension A	Height	mm	852	852	852	852	852	852	852
Dimension B	Width	mm	480	480	480	480	480	480	480
Dimension C	Depth	mm	407	407	447	447	542	570	570
Clearances	Bottom	mm	500	500	500	500	500	500	500
	Left hand	mm	20	20	20	20	20	20	20
	Front	mm	400	400	600	600	600	600	600
	Right hand	mm	20	20	20	20	20	20	20
	Top	mm	300	300	400	400	400	400	400