

EVO S

60kW



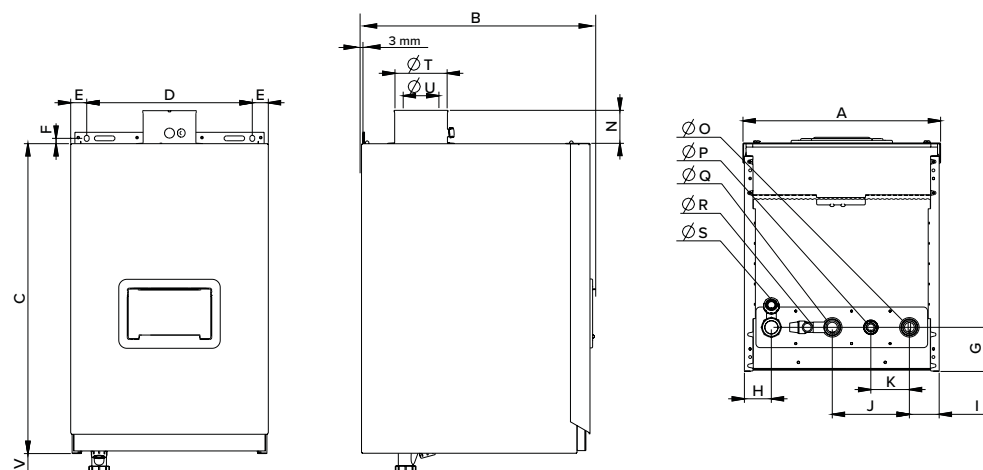
Condensing boiler with stainless steel heat exchanger technology.

Features

- Robust stainless steel heat exchanger
- 5 year warranty* (T&Cs apply)
- 20% hydrogen blend ready
- NOx class 6 for all models
- 5:1 turndown
- Compact design
- Large product range up to 150kW
- 6 bar max operating pressure (80kW and above)
- Cascade ability of up to 900kW (exceptions apply)
- Full suite of cascade accessories available
- Energy efficiency class A
- Full range of hydraulic separation options available
- Pump modulation controls built into boiler software

Dimensions and Clearances

Boiler	Dimension A	Dimension B	Dimension C	Dimension D
60kW	487mm	577mm	764mm	408mm



The following minimum clearances must be maintained for operation and servicing:



TOP

Between 145 and 450mm depending on flue system type



FRONT

800mm



SIDES

250mm clearance between end boiler and closest wall

EVO S		
	Unit	60kW
Part Number		100008264300
Performance		
Nominal heat input Q _n	kW	55
Minimum heat input Q _{min}	kW	11
Modulation		5:1
Nominal output P _n (80/60)	kW	53.4
Nominal output (50/30)	kW	58
Max total cascade output (80/60)	kW	214
Thermal efficiency - 100% GCV	%	97.2
Thermal efficiency - 30% NCV	%	108.2
Part L 2022 seasonal efficiency	%	97.4
Seasonal space heating efficiency (ErP)	%	92
Space heating energy efficiency class		A
Standing loss	W	54
Combustion		
Min/Max gas pressure (NG)	mbar	17/25
Min/Max gas pressure (LPG)	mbar	25/45
Gas flow rate at P _n (15°C) (NG)	m ³ /h	5.8
Gas flow rate at P _n (15°C) (LPG)	m ³ /h	2.25
NO _x Emissions according to EN 15502-1 (Gross)	mg/kWh	39
NO _x class		6
Hydraulic		
Flow rate at nominal heat input Q _n	m ³ /h	2.36
Flow rate at minimum heat input Q _{min}	m ³ /h	1.15
Maximum operating pressure	bar	4
Minimum operating pressure	bar	1
Maximum operating temperature	°C	85
Water content	L	4
Sound power at P _{max} L _w	dB(A)	59
System Hydraulic Info (NG & LPG)		
Hydraulic resistance (ΔT 11 °C)	mbar	1560
Flow rate (ΔT 11 °C)	l/min	71.4
Hydraulic resistance (ΔT 15 °C)	mbar	837
Flow rate (ΔT 15 °C)	l/min	52.4
Hydraulic resistance (ΔT 20 °C)	mbar	470
Flow rate (ΔT 20 °C)	l/min	39.3
Hydraulic resistance (ΔT 25 °C)	mbar	305
Flow rate (ΔT 25 °C)	l/min	31.4
Max system temp differential	°C	35*
Hydraulic resistance (ΔT 35 °C)	mbar	173
Flow rate (ΔT 35 °C)	l/min	22.5

* Boilers must be at maximum load to achieve this temperature differential

EVO S		
	Unit	60kW
Part Number		100008264300
Flue		
C = Concentric Flue, B = Open Flue		
Approved flue systems		B23, B23P, C13, C33
Flue size		80/125
Concentric flue system max length (NG)	m	10
Concentric flue system max length (LPG)	m	10
Max allowable nozzle pressure open flue (80/60) NG	Pa	170
Max allowable nozzle pressure open flue (50/30) NG	Pa	145
Max allowable nozzle pressure open flue (80/60) LPG	Pa	175
Max allowable nozzle pressure open flue (50/30) LPG	Pa	155
Flue gas mass flow rate (80/60) NG	g/s	25.6
Flue gas mass flow rate (50/30) NG	g/s	23.1
Flue gas mass flow rate (80/60) LPG	g/s	24.5
Flue gas mass flow rate (50/30) LPG	g/s	25.9
Electric		
Electrical supply		230V - 50Hz
Power consumption at Q _n	kW	0.107
Power consumption in standby mode	kW	0.004
Physical		
Dry weight	kg	51
Gas supply connection		G 1"
Flow/Return connections		G 1 1/4"
Clearances - front of boiler (service clearance)	mm	800
Clearances - boiler to wall	mm	250
Clearances - above boiler casing (B23/B23P flue)	mm	393
Clearances - above boiler casing (C13 flue)	mm	290
Clearances - above boiler casing (C33 flue)	mm	145
Available Accessories		
Inline cascade kits		✓
High efficiency boiler pump		✓
Bespoke low loss headers		✓
Pre-sized PHEXs		✓
Additional circuit control kits		✓
Modbus communication gateway		✓
Temperature sensor kits		✓
Remote run/fault signalling kit		✓

ACV UK Ltd

St. David's Drive, St. David's Business Park, Dalgety Bay, Fife, KY11 9PF
uk.sales@acvuk.com | acv.com/gb



Every effort has been taken to ensure the details are accurate. ACV UK Limited does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. ACV UK Limited reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.