

EVO S

60kW



Condensing boiler with stainless steel heat exchanger technology.

Features

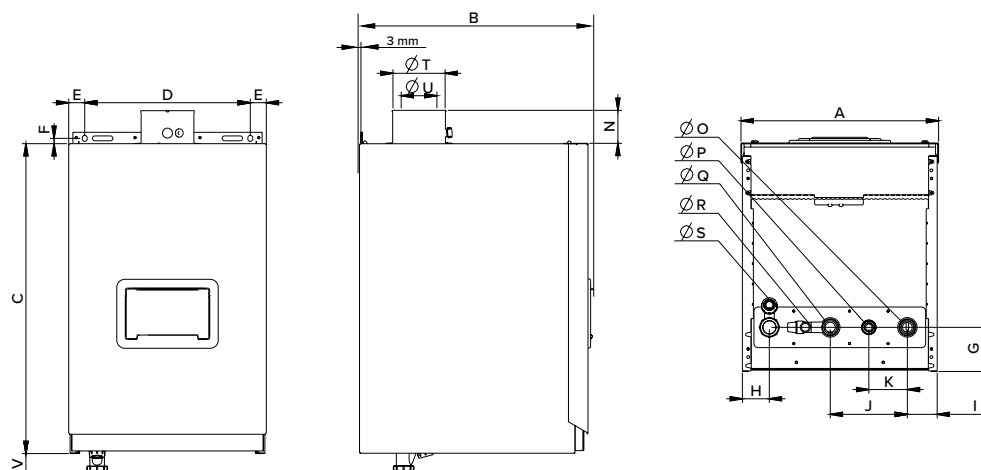
- > Robust stainless steel heat exchanger
- > NOx class 6 for all models
- > 5:1 turndown
- > Large product range up to 150kW
- > 6 bar max operating pressure (80kW and above)
- > Cascade ability of up to 900kW (exceptions apply)
- > Compact design
- > Full suite of cascade accessories available
- >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

5

5 year warranty*

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	%	95.5
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

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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		✓

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