



S-CBX

Ultra Low NOx
Wall Hung Condensing Boiler

85 – 155kW

Why choose Strebel?

Strebel Ltd has been supplying, installing and servicing commercial boilers and water heaters in the UK since 1970. Founded by Josef Strebel in Germany in 1893 our company is recognised today as providing an extensive range of highly efficient, innovative and trustworthy boilers and water heaters for many commercial applications.

With energy conservation, low pollution and reliability at the core of what we do we offer ideal solutions for today's environmentally and economically conscious markets. When you choose to invest in a Strebel product you can be confident that not only will you be choosing the right solution tailored to your individual needs but you'll also be backed by Strebels' highly qualified technical support and service team.

We constantly strive to offer products to the highest standards of quality, longevity and reliability. Our extensive range includes technically advanced wall hung and free standing condensing gas boilers, condensing and non-condensing water heaters, a wide range of calorifiers, advanced biomass boilers as well as, of course, our traditional Cast Iron range alongside a diverse range of system accessories such as Boiler Frame Sets, Hydraulic Piping Kits, Low Loss Headers, Plate Heat Exchangers and System Pumps.

Please visit our website for further information on our products and services

www.strebel.co.uk

Trusted By Commercial Heating Engineers Since 1893



Ultra Low NOx Wall Hung Condensing Boiler

The S-CBX range comprises four boiler models of a highly efficient, ultra low emission wall hung condensing gas boiler offering an output range from 16kW to 151kW at 50/30 (F/R) with 85kW, 105kW, 125kW and 155kW individual boiler nominal outputs. Each boiler offers NOx emissions of less than 24 mg/kWh (Class 6) in compliance with the maximum 2 credits available under BREEAM's New Construction 2018 1.0 Technical Manual SD5078 guidelines¹. With Seasonal Efficiency across the range in excess of 95% to Part L calculations the entire range is also ERP 'A' rated.

Benefiting from a corrosion resistant stainless heat exchanger as well as a small footprint, with a boiler width of only 440mm across the range, the S-CBX offers a wide range of output, ease of installation, ultra low emissions and high efficiency.

The S-CBX is also supplied with a built-in cascade controller to enable up to 16 boilers to be configured together offering up to 2.4MW output for heating and hot water installations. The boilers can be either wall or frame mounted and flued either co-axially (up to the 125kW boiler) or twin piped.

Table 12.4 Maximum NOx emission levels by appliance type, fuel and location

Appliance type and unit	Fuel	1 credit (low pollution location)	1 credit (high pollution location)	2 credit (low pollution location)	2 credit (high pollution location)
Boiler (mg/kWh)	Gas	27	27	24	24

¹ Exert from pg.306 of BREEAM UK New Construction 2018 1.0 Technical Manual SD5078

S-CBX Ultra Low NOx

- Under 24 mg/kWh NOx. Qualifies for maximum 2 points under BREEAM 2018 NOx limits.
- ERP 'A' rated
- 95% Part L Seasonal Efficiency
- Cascade output up to 2.4MW
- Five Year Warranty on Stainless Steel Heat Exchanger



Strebel S-CBX Technical Data

		Technical Specifications			
Model		S-CBX 85	S-CBX 105	S-CBX 125	S-CBX 155
Nominal INPUT Min/Max (Nett)	kW	15.4 - 81.7	18.6 - 97.3	23.6 - 119.4	35.0 - 145.3
Nominal OUTPUT 80/60°C at 100%	kW	14.9 - 79.1	18.0 - 94.2	22.9 - 115.6	33.9 - 140.9
Nominal OUTPUT 50/30°C at 100%	kW	16.0 - 85.1	19.5 - 101.3	24.7 - 124.7	36.4 - 151.0
Nominal OUTPUT 37/30°C at 30%	kW	16.6 - 88.4	20.2 - 105.5	25.6 - 129.4	38.0 - 157.8
Efficiency 40/30°C DIN 4702-8	%	Up to 108.6% in the S-CBX Range			
Seasonal Efficiency (Part L)	%	95.62	95.7	95.68	95.84
Gas Consumption (Natural Gas)	m ³ /h	1.6 - 8.5	1.9 - 10.2	2.5 - 12.5	3.7 - 15.3
Gas Consumption (LPG)	m ³ /h	0.6 - 3.2	0.8 - 3.9	1.0 - 4.8	1.6 - 5.7
CO ₂ (Natural Gas)	%	7.9 - 8.4	7.9 - 8.4	7.9 - 8.4	7.9 - 8.4
CO ₂ (LPG)	%	10	10	10	10
NOx - Class (EN483 / EN15420)		6	6	6	6
NOx to EN15502	mg/kWh	23.1	21.3	23.9	20.1
Burner Control		Pre-mix Fully Modulating			
Electrical Power Supply	V/Hz	230/50	230/50	230/50	230/50
Electrical Power Consumption	W	355	355	355	370
Protection Class		IPX4D	IPX4D	IPX4D	IPX4D
Max Boiler Flow Temperature	°C	90	90	90	90
Working Pressure Min/Max	bar	0.7 - 6.0	0.7 - 6.0	0.7 - 6.0	0.7 - 6.0
Boiler Water Content	Litre	5	6.5	8.3	10.4
Flow/Return Connection (boiler)	inch	1"	1"	1"	1 1/4"
Gas Connection	inch	3/4"	3/4"	3/4"	1"
Flue / Air Supply Connections					
Coaxial System	mm	100/150	100/150	100/150	-
Twin Pipe System - Flue / Air Supply	mm	100-100	100-100	100-100	150-150
Dimension & Weight					
Height	mm	845	845	845	845
Width	mm	440	440	440	440
Depth	mm	530	530	530	530
Dry Weight	kg	77	79	83	86

The company reserves the right to change the specifications and dimensions without prior notice. E.&O.E.



Customer Support

As with all Strebel products, the S-CBX boiler range is fully supported by our excellent customer service team and experienced technical engineers. Whether you are looking for product advice or for maintenance and repair, our service team are on hand to support you and can be contacted easily via telephone or online.

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