

STREBEL Ca 7S

The small boiler
with high capabilities

61–235 kW



STREBEL Ca 7S—the clean boiler for your building

The STREBEL Ca 7S is the perfect boiler for your building. Most advanced combustion technology guarantees a minimal energy consumption. The blocks of sections made of special cast iron and the choice of high quality components enable

a reliable and safe operation for many years. The digital control system of the latest generation covers the technical and comfort requirements for a boiler of this size. Due to the compact construction, the STREBEL Ca 7S needs little space. It is

therefore very suitable for installation into existing buildings as well as for new constructions.

Your building is worth more if you use a STREBEL Ca 7S.



- 🍏 Compact but fully equipped heating system in the output range of 61 to 235 kW
- 🍏 Maximum efficiency by perfect construction and exactly matching high quality components
- 🍏 Robust construction of special cast iron
- 🍏 Easy transport into the boiler house due to sectional construction
- 🍏 Advanced microprocessor control system for any requirements of this output range
- 🍏 Special solutions like top mounted stainless steel calorifiers (or low pressure steam production, not on sale in UK)
- 🍏 Long life and optimum cost/performance ratio



Control—digital heating management



GAMMA modules are weather-compensated controls of the latest generation

GAMMA 2B / 22B

Weather-compensated control for one/two-stage burners, one boiler circuit and domestic hot water

GAMMA 23B / 223B

Weather-compensated control for one/two-stage burners, one boiler circuit, one circuit with mixing valve and domestic hot water

GAMMA 233B / 2233B

Weather-compensated control for one/two-stage burners, one boiler circuit, two circuits with mixing valve and domestic hot water

GAMMA 33B

Extension module for additional two circuits with mixing valve

GAMMA 2233 BK

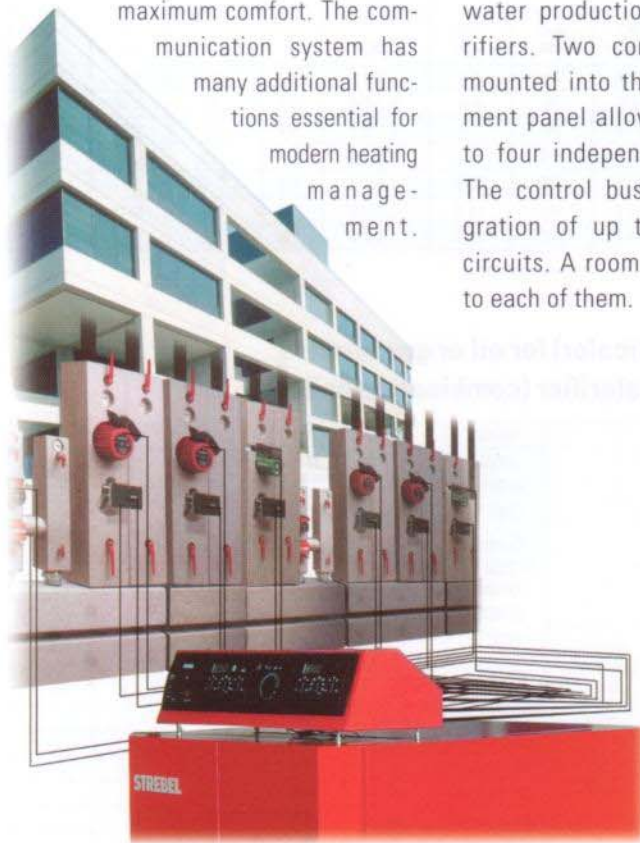
Weather-compensated cascade control (max. five modules) for two-stage burners, each one with one boiler circuit, two circuits with mixing valve and domestic hot water



RS 10 room station

The intelligent information and control unit (not on sale in UK)

STREBEL Ca 7S can be supplied with a control system of the latest generation. Microprocessor controlled modules enable economic operation with maximum comfort. The communication system has many additional functions essential for modern heating management.



Some of the features: Cascade control of various boilers, remote information, laptop programming, self diagnostics, multivalent operation and domestic hot water production of up to five calorifiers. Two controls can simply be mounted into the ergonomical instrument panel allowing the control of up to four independent heating circuits. The control bus system allows integration of up to ten mixed heating circuits. A room station can be added to each of them.

Easy introduction and installation

The compact dimensions of the STREBEL Ca 7S allow entrance into any rooms especially for bigger units since the sections can easily be mounted in the boiler house.



Low NO_x technology

It is a well-known fact that an optimized triple pass technology is the best possible condition on the boiler side to operate a heating system with a minimum of nitric

oxyde (NO_x). If you chose at the same time a blue flame burner, you will have a heating unit which is the best you can have for protection of the environment.



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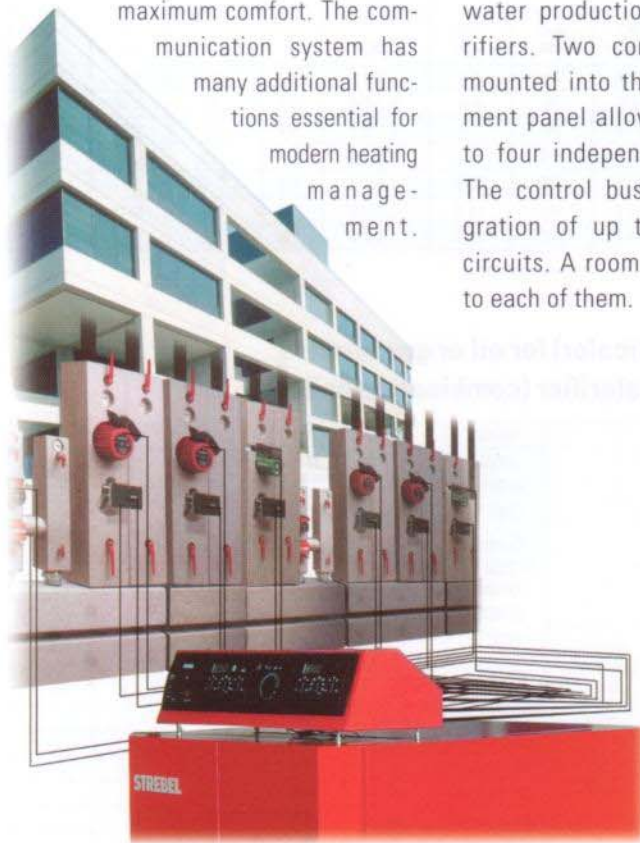
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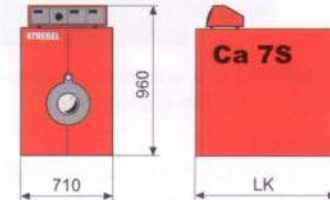


Technical data

STREBEL Ca 7S for oil or gas burners

Model No. of sections	Boiler outputs and fuel consumption 70°C boiler, flow 80°C				Combustion chamber mbar	Flue gas volume l	Water capacity l	Boiler length LK mm	Packed weight kg
	max kW	Oil kg/h	min kW	Oil kg/h					
Ca 7S- 4	69	6.3	61	5.5	0.4	98	65	865	510
Ca 7S- 5	95	8.7	75	6.8	0.5-0.6	121	80	1015	590
Ca 7S- 6	119	11.0	85	7.7	0.7-0.9	144	95	1165	670
Ca 7S- 7	150	13.6	110	9.9	0.8-1.3	167	110	1315	750
Ca 7S- 8	175	16.1	130	11.8	1.0-1.3	190	125	1465	830
Ca 7S- 9	205	18.6	165	14.9	1.2-1.5	213	140	1615	910
Ca 7S-10	235	21.4	200	18.0	1.5-2.1	236	155	1765	990

Minimum boiler water temperature 35°C at maximum rating

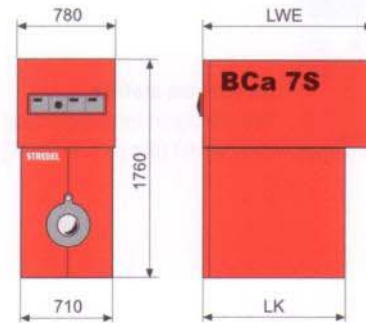


STREBEL BCa 7S (Bicolor) for oil or gas burners, with top mounted calorifier (combination boiler)

Type No. of sections	Output at full load kW	Boiler length LK mm	Model	Model					
				CSH	240S	300S	360S	500S	
BCa 7S- 4	70	865	Output at 60°C (140°F)	I/h	820	1150	1190	1350	
				Gall./h	180	253	262	297	
			Thermal absorption	I/10 min	240	300	340	440	
				Gall./10 min	53	66	75	97	
			Output at 45°C (113°F)	kW	47.5	66.7	69.1	78.6	
				I/h	1560	2120	2370	2500	
Thermal absorption	Gall./h	343	470	521	550				
	I/10 min	380	500	560	680				
BCa 7S- 5	95	1015	Thermal absorption	Gall./10 min	84	110	123	150	
				kW	63.5	86.3	96.5	101.7	
BCa 7S- 6	120	1165	LWE (length)	mm	1175				
				Approx. weight	kg	627			
				Hot water	l	73			
BCa 7S- 7	150	1315	LWE (length)	mm	1175	1475			
				Approx. weight	kg	660	697		
				Hot water	l	88	88		
BCa 7S- 8	175	1465	LWE (length)	mm		1475	1625		
				Approx. weight	kg		810	825	
				Hot water	l		105	105	
BCa 7S- 9	205	1615	LWE (length)	mm		1475	1625	2075**	
				Approx. weight	kg		890	905	950
				Hot water	l		120	120	120
BCa 7S- 10	235	1765	LWE (length)	mm			1625	2075**	
				Approx. weight	kg			985	1030
				Hot water	l			135	135

** protrudes 300 mm over the front

Call us for detailed information about the STREBEL Ca 7S, its accessories or special solutions. Our sales team will be happy to inform you.



STREBEL Ca 7S D low pressure steam boilers, for oil or gas burners (not on sale in UK)

Model No. of sections	Output KW	Steam production kg/h	Length LK mm	Width B mm	Length LT mm	Total height mm	Weight approx. kg
Ca 7SD- 4	69	111	865	710	1170	2300	660
Ca 7SD- 5	96	154	1015	710	1470	2300	765
Ca 7SD- 6	119	193	1165	710	1470	2300	845
Ca 7SD- 7	150	243	1315	710	1770	2300	940
Ca 7SD- 8	175	283	1465	710	1770	2300	1020
Ca 7SD- 9	205	332	1615	710	2070	2300	1120
Ca 7SD-10	235	381	1765	710	2070	2300	1200

The company reserves the right to change the specification and dimensions without prior notice.



Specialist for all applications

The STREBEL Ca 7S can also be supplied with a top mounted steam tank with a steam pressure of up to 1.0 bar (not supplied for U.K.). In case of need a later conversion to hot water heating is possible.



STREBEL domestic hot water calorifiers of practically all sizes can be supplied in combination with the Ca 7S. They are of stainless steel or enamelled, with a CFC-free solid foam insulation.



 With manufacturing, sales and service facilities in most European countries, STREBEL is a group looking into the future. STREBEL products are known for the long life but also for their innovative technique. Many international awards have been achieved for convincing solutions of STREBEL. A long experience, innovative products, R&D and a thorough quality control guarantee modern

and efficient products. The big choice from small domestic boiler up to the megawatt heating unit, a complete choice of accessories, individual advice and a fully trained technical and service team, all this is your advantage with STREBEL. Constant R&D secure top quality for the future. Call us, we look forward to assisting you.

Customer service



Our after sales service organisation assures the competent support which our customers desire.

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