

TECHNICAL AND OPERATION PARAMETERS OF SAS ECO BOILER

Lp.	Parametr	Jedn.	SAS MULTI						
			17	23	29	36	42	48	
1.	Boiler power	kW	17	23	29	36	42	48	
2.	Boiler heated surface	m ²	1.5	2.0	2.5	3.0	3.5	4.0	
3.	Boiler efficiency	%	86,5 ÷ 91,0						
4.	Fuel consumption*	kg/h	1,1	1,9	2,5	3,0	3,6	4,1	
5.	Load chamber capacity	dm ³	190	200	225	225	260	305	
		kg	~140	~150	~170	~170	~195	~230	
6.	Boiler water capacity	l	85	105	115	125	145	175	
7.	Boiler weight (without water))	kg	420	550	590	630	670	730	
8.	Required chimney draught	mbar	0,30						0,45
9.	Exhaust temperature	°C	90 ÷ 210						
10.	Recommended heating water working temp.	°C	60 ÷ 80						
11.	Max. allowable working temperature	°C	85						
12.	Maximal allowable operating pressure	bar	1,5						
13.	Minimal return water temp.**	°C	55						
14.	Power supply	V/Hz	~230 / 50						
15.	Power consumption***	W	do 180						
16.	Boiler dimensions	A	mm	1140	1140	1160	1160	1200	1280
		A1	mm	290	290	305	305	330	330
		B	mm	1110	1235	1235	1300	1300	1300
		B1	mm	450	535	535	605	605	605
		H **)	mm	1430	1430	1490	1490	1590	1590
		H1 **)	mm	1300	1300	1375	1375	1475	1475
		H2 **)	mm	980	980	1050	1050	1120	1120
		H3 **)	mm	150	150	150	150	150	150
	Combustion chamber dimensions *)	C	mm	330	330	330	330	330	410
	D	mm	260	260	300	300	400	400	
17.	Smoke conduit diameter	mm	Ø 180	Ø 180	Ø 200	Ø 200	Ø 220	Ø 220	
18.	Connector pipe diameter (supply/return)	"	G 1¼	G 1½			G 2		
19.	Safety Valve(2,5bar)	"	½						
20.	Load door opening*)	mm x mm	260 x 320	340 x 320	340 x 360	370 x 360	370 x 460	370 x 460	
21.	Minimal chimney height	m	6	7	8		9		
22.	Minimal chimney dimensions/diameter	cmxcm	18x18	20x20	21x21	22x22	25x25	25x25	
		mm	Ø 210	Ø 220	Ø 240	Ø 250	Ø 280	Ø 280	

* when working at average load (50% of rated power)/ rated load

** if manufacturer recommendations regarding heating water temperature ranges are not observed, boiler must be obligatory connected to central heating system equipped with three- or four - ways valve, protecting against so called „ low temperatures corrosion”

*** temporary power consumption

*) if does apply combustion on a traditional grate;

***) if the regulation boiler's footnotes are used, (it do not apply to boilers of power 36 kW and higher) dimension increase from min. 29 to max. 56 mm

TECHNICAL AND OPERATION PARAMETERS OF SAS ECO BOILER

Lp.	Parametr	Jedn.	SAS MULTI							
1.	Boiler power	kW	72	100	125	150	200	250	272	
2.	Boiler heated surface	m ²	6.5	9.0	12.0	14.0	18.0	23.0	26.0	
3.	Boiler efficiency	%	86,5 ÷ 91,0							
4.	Fuel consumption*	kg/h	6,2	8,4	10,5	12,6	16,8	21,0	23,5	
5.	Load chamber capacity	dm ³	500	635	705	760	760	860	940	
		kg	~380	~475	~530	~570	~570	~640	~700	
6.	Boiler water capacity	l	290	410	460	510	580	650	650	
7.	Boiler weight (without water))	kg	960	1560	1680	2080	2260	2540	2820	
8.	Required chimney draught	mbar	0,55							
9.	Exhaust temperature	°C	90 ÷ 240							
10.	Recommended heating water working temp.	°C	60 ÷ 80							
11.	Max. allowable working temp.	°C	85							
12.	Maximal allowable operating pressure	bar	1,5							
13.	Minimal return water temp.**	°C	55							
14.	Power supply	V/Hz	~230 / 50							
15.	Power consumption***	W	do 290	do 440		do 600		do 820		
16.	Boiler dimensions	A	mm	1580	1820	1990	2150	2150	2460	2560
		A1	mm	400	420	470	510	510	720	720
		B	mm	1630	1750	1960	1960	1960	2350	2350
		B1	mm	740	820	950	950	950	1150	1150
		H	mm	1650	1730	1730	1800	1800	1960	1960
		H1	mm	1590+ c*	1670 + c*	1670 + c*	1740 +c*	1850 +c*	1850 +c*	1850 +c*
		H2	mm	1150	1230	1200	1230	1340	1310	1290
		H3	mm	165	165	165	165	165	165	165
	Combustion chamber dimensions *)	C	mm	520	610	690	690	690	770	770
	D	mm	320	320	320	350	420	370	370	
17.	Smoke conduit diameter	mm	290 x 280	315 x 305	340 x 325	360 x 345	395 x 400	460 x 455	480 x 480	
18.	Connector pipe diameter (supply/return)	"	G 2½	G 3						
19.	Safety Valve(2,5bar)	"	¾			1				
20.	Load door opening*)	mm x mm	460 x 430	530 x 430	550 x 430	550 x 460	570 x 540	520 x 660	520 x 660	
21.	Minimal chimney height	m	10	11	12		14			
22.	Minimal chimney dimensions/diameter	cmxcm	26x26	28x28	29x29	32x32	32x32	34x34	34x34	
		mm	Ø 320	Ø 360	Ø 380	Ø 400	Ø 400	Ø 420	Ø 420	

* when working at average load (50% of rated power)/ rated load

** if manufacturer recommendations regarding heating water temperature ranges are not observed, boiler must be obligatory connected to central heating system equipped with three- or four - ways valve, protecting against so called „ low temperatures corrosion”

*** temporary power consumption

*) if does apply combustion on a traditional grate;

c* handle use to transport a boiler (dimension 150 mm)