

TECHNICAL AND OPERATION PARAMETERS OF SAS UWG BOILER

Lp.	Parametr	Jedn.	SAS UWG						
1.	Boiler power	kW	9	12	14	17	23	29	
2.	Boiler heated surface	m ²	0.8	1.0	1.2	1.5	2.0	2.5	
3.	Boiler efficiency	%	79,1 ÷ 85,9						
4.	Fuel consumption *	kg/h	0,8	1,0	1,2	1,4	1,5	1,7	
5.	Load chamber capacity	dm ³	16	20	24	28	32	36	
		kg	~12	~15	~18	~21	~24	~27	
6.	Exhaust temperature	°C	90 ÷ 250						
7.	Boiler water capacity	l	30	35	42	54	68	82	
8.	Boiler weight (with no water)	kg	195	205	220	260	300	330	
9.	Required chimney draught	mbar	0,30						
10.	Maximal allowable operating pressure	bar	1,5						
11.	Maximal allowable working temp.	°C	85						
12.	Recommended heating water working temperature	°C	60 ÷ 80						
13.	Minimal return water temp.**	°C	55						
14.	Boiler dimensions	A	mm	800	840	840	930	930	930
		A1	mm	440	480	480	610	610	610
		B	mm	510	510	510	540	600	670
		B1	mm	430	430	430	460	520	590
		H*)	mm	1000	1050	1150	1250	1250	1250
		H1*)	mm	960	1010	1110	1220	1220	1220
		H2*)	mm	300	300	300	300	300	300
	H3*)	mm	745	785	885	1000	1000	1000	
	Combustion chamber dimensions	C	mm	360	400	400	400	400	400
		C1	mm	70	70	70	***	***	***
D		mm	360	420	520	500	500	500	
15.	Smoke conduit diameter	mm	Ø160	Ø160	Ø160	Ø180	Ø180	Ø200	
16.	Connector pipe diameter (supply/return)	mm	G 1¼			G 1½			
17.	Load door opening	mm x mm	275 x 275	275 x 275	275 x 275	170 x 280	170 x 340	170 x 340	
18.	Minimal chimney height	m	6		7	8		9	
19.	Minimal chimney dimensions/diameter	cm x cm mm	15x15 Ø140	16x16 Ø160	17x17 Ø180	18x18 Ø210	20x20 Ø220	21x21 Ø240	

* 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”

*** a different heat exchanger construction (see construction scheme for power rate 17-29kW)

*) if the regulation boiler's footnotes are used dimension increase from min. 29 mm to max. 56 mm