TECHNICAL AND OPERATION PARMETERS 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 kg	16 ~12	20 ~15	24 ~18	28 ~21	32 ~24	36 ~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