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100 TPH Bagasse Fired Boiler



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Technical Specification:

Type	WZ-100/6.8-G		Drawing NO	101S-00
Description	Item	Unit	Parameter	Remarks
Main characters for boiler	Capacity	t/h	100	
	Rated steam pressure	MPa	6.8	
	Overheat steam temperature	°C	500	
	Water temperature	°C	105	
	Way of combustion		Chamber combustion	
	Designing fume Discharge temperature	°C	135.5	
	Efficiency of boiler	%	88 (bagasse)	
	Hot air temperature	°C	207	
	Spray outlet for bagasse	↑	5	
fuel	Category		bagasse	
	Water content	%	50	
	Heat value	Kj/kg	7536	
Outdoor layout, the top of the boiler is equipped with anti-rain cover				



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Main structure of the boiler

Item	Name of parts	Specification of main material	Material of major parts
1	Boiler sleeve	Inside diameter of upper boiler sleeve: $\Phi 1692\text{mm}$ thickness of wall: 60mm	20g
2	Water cooling wall-mounted pipe	Membrane water cooling wall : $\Phi 60\text{mm} \times 4\text{ mm}$ pitch: 100mm	20 (GB3087)
3	Overheater(adopting surface Temperature reducer)	Pipe specification of high temperature section: $\Phi 42\text{mm} \times 3.5\text{mm}$	12Cr1MoVG
		Pipe specification of lower temperature section: $\Phi 38\text{mm} \times 3.5\text{mm}$	20 (GB3087)
4	Coal saving device	Wall thickness of pipe: $\Phi 32\text{mm} \times 3\text{mm}$	20 (GB3087)
5	Air pre-heater	Wall thickness of pipe of last stage $\Phi 50 \times 2\text{mm}$	Q235
		Upper pipe chamber of next stage $\Phi 50 \times 2.5\text{ mm}$	Q235
		lower pipe chamber of next stage $\Phi 60 \times 2.5\text{ mm}$	Q235
6	Grate of boiler	Overheat steam bagasse-blowing Fixed grate	Cast iron
7	Steel frame	All steel structure (including anti-rain cover, 20t load support)	Q235

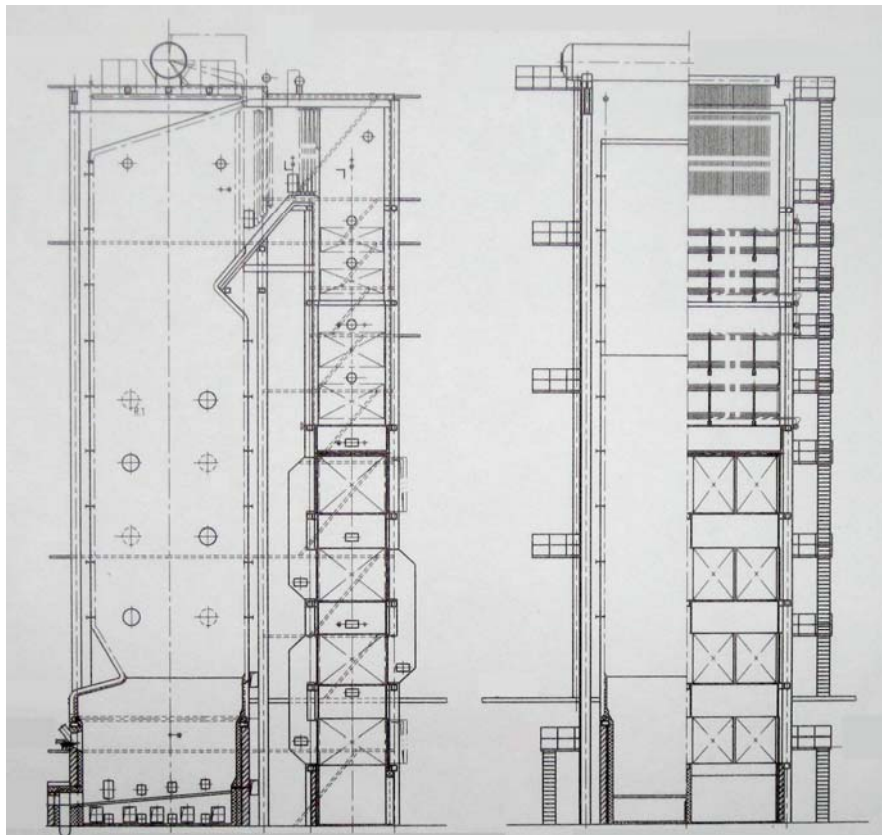


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Main structure of the boiler



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