Horizontal Coal Fired Industrial Hot Water Boiler Generator Low Pressure Commercial

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month

Product Specification

- Product Name: Series 2.8MW Perfact After-service Coal Fired Hot Water Boiler
- Rated Working Pressure: 1.0MPa
- Outlet Water Temperature: 95
- Working Efficiency: 83%
- Condition: New
- Water Volumn: 3.59m³
- Output: Hot Water
- Warranty: 2 Years
- Highlight: **oil steam boiler**, **oil fired hot water furnace**

Product Discription

Series Double Drum Chain Grate Biomass Water Boiler

The biomass hot water boiler From the drum chain of SZL, The main engine of the Caldeira is designed As a longitudinal arrangement of two drums, The upper barrel is equipped with a steam water separation device, The lower barrel is equipped with an exhaust manifold device The During the established period, and the left and right sides of the furnace are equipped with water wall tubes.The Light Current grid is used to automatically add fuel, and the back of the grid is a reprimand chamber and convection pipe. Ade is a economizer or an air preheater. The induced drafts fan and fan ar e distributed for mechanical ventilation, and an automatic gutter discharge is equipped. The fuel falls into the Current grid and enters the combustion furnace. It enters the flow of the tail through the furnace, forward chamber, convection tube, economizer or pre -heater, enters the powder collector, the induced fan, and finally discharges into the atmosphere

Product Features

1. simple installation:
Boilers are generally quick loading devices that are convenient for transport and site installation, significantly shorten the construction cycle, save installation costs, and allow boilers to start on time.

2. Reliable action:
The boiler heating surface is reasonably positioned, the water circulation is smooth and the heating surfaces are cooled in time to ensure the safe operation of the boiler.

3. simple maintenance:
The boiler drum is equipped with maintenance holes so that it can be repaired. It is convenient to open the smokebox in front of the oven, convenient and clear for staff inspection, which provides good conditions for proper processing.

4. Complete combustion:
Using secondary air and a sensible kiln design, the fuel can be completely combusted and the black smoke can be removed.

5. High efficiency grate:
The boiler grate employs two -way ventilation and dedusting techniques which naturally make the front end of the grate ventilable, prevent air leakage, oil leakage and irregular ventilation, and is easy to use. Compared to a normal grate, it has obvious advantages.

6. Removing comfortable ash:
The boiler may be equipped with multiple ash removal holes capable of removing the ash in a timely and effective manner, avoiding malfunction caused by accumulation of cauldron ash and reducing thermal efficiency, and ensuring stability of cauldron load.

Technical Parameters

Thermal Power	MW	1.4	2.8	4.2	5.6	7	10.5	14	17.5
Outlet Pressure	MPa	1.0	1.0	1.0	1.0	1.0	1.0/1.25/1.6	1.0/1.25/1.6	1.0/1.25/1.6
Outlet Temperature		95	95	95/115	95/115	95/115	95/115	95/115	95/130
Feed Water Temperature		70	70	70	70	70	70	70	70
Thermal Efficiency	/	≥83%							
Fuel	/	Biomass particles							
Fuel Consumption	Kg/h	348.6	685	938.8	1366.2	1694.6	2583	3410	4272
Heating area	m^2	81.26	165.26	233	351.2	391	547.6	826	1110
Grate area	m^2	2.8	6.04	8.64	11.71	13.64	15.33	19.16	26.3
Power consumption	Kw	25.3	34	62.4	76.2	87.2	138	206.5	218
water volume	m^3	3.59	6.67	8.33	8.42	12.7	13.9	15.6	18

Note: the fuel consumption in the table is calculated on the basis of the low calorific value of biomass particles 17084KJ/Kg (4085Kcal/Kg). If the low calorific value of biomass fuel is larger than this value, the corresponding fuel consumption will be more economical than the value in the table.

External and Interface Dimension of Biomass Hot water boiler

Steam Capacity	t/h		1.4	2.8	4.2	5.6	7	10.5	14	17.5
Transport Dimension	L	mm	5600	7380	6900	7000	2800	8700	11900	10700
	W	mm	2500	2700	2660	3400	3020	3340	3200	3000
	H	mm	3500	3740	3500	3700	3500	3570	2360	4000

Maximum Transport Weight	/	t	24.5	31	30	32.5	34	35	35	36
Outlet Water Valve	DN	mm	100	125	150	200	200	250	2*200	2*200
Feed Water Valve	DN	mm	100	125	150	200	200	250	2*200	2*200
Safety Valve Diameter	DN	mm	1*50	2*40	2*50	2*50	2*50/80	100*80	2*100	2*100
Drain Valve Pipe Diameter	DN	mm	2*40/50	3*40	40/3*50	4*40	6*40	6*40	8*40	8*40
Chimney Diameter	φ	mm	350	410	530	720	750	950	1000	1200

Remarks: We will reserve rights to change the above mentioned data due to continuous policy transformation and product improvement.

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