



## Coal Fired Steam Boiler , Industrial Coal Boiler Normal Pressure Natural Circulation

Our Product Introduction

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### 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: 4.2MW 1.0MPa Normal Pressure Coal Fired Hot Water Boiler
- Rated Working Pressure: 1.0MPa
- Return Water Temperature: 70
- Working Efficiency: 83%
- Condition: New
- Style: Horizontal
- Output: Hot Water
- Type: Natural Circulation
- Highlight: oil steam boiler, hot water wood boiler



## Product Description

## Product Discription

## Series Double Drum Chain Grate Biomass Water Boiler

Series Double pot chain steel bowl biomass hot water boiler, the main engine of the boiler longitudinal double pot, in the pot barrel installed a steam-water separation device, installed a device, fireplace left and right water-cooled fireplace pipeline. Use light chain. Fuel is automatically heated and distributed to the combustion chamber, convection tube and tail of the furnace with coal miner, air preheater, distributor and mechanical ventilator. Fuel flows into the furnace, smoke stove and gas chamber through interlocking flow. Flow pipe, sex coal machine or air preheater, washing machine, vacuum cleaner, smoke pipe, final exhaust.

## Product Features

## 1. High efficiency grate:

Boiler grate adopts double side ventilation, which is brought naturally to the front end of boiler row by dust cleaning technology, which avoids air leakage, fuel leakage and uneven ventilation, and is easy to operate, and has obvious advantages compared with ordinary grate.

## 2. Convenient ash cleaning:

Many ash cleaning holes can be set up on the boiler, which can remove ash in time and effectively, avoid the trouble of operation and decrease of thermal efficiency caused by boiler ash accumulation, and ensure the stability of boiler load.

## 3. High safety:

The water supply is controlled by microcomputer, and the water is fed automatically. Equipped with water shortage, overpressure protection and other devices, safe and reliable.

## 4. Longevity and durability:

The professional excellent design of the boiler, the advanced production equipment and the strict quality inspection, is the guarantee of the quality of every new boiler boiler, and the service life of the normal boiler body is over 20 years.

## 5. Environmental protection and low noise:

The boiler's original smoke emission is low, and the boiler tail is equipped with high-efficiency dust remover and low noise fan, which makes the flue gas discharge meet the national environmental protection requirements.

## 6. Manufacturing specification:

Every part of boiler is manufactured in accordance with the national standard and international standard (ISO). Every production step is carried out in strict accordance with the advanced production process to ensure the quality of the product is reliable.

## 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 <sup>2</sup>	81.26	165.26	233	351.2	391	547.6	826	1110
Grate area	m <sup>2</sup>	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 <sup>3</sup>	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 SZL 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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