



## Double Layer Coal Burning Boiler Low Maintenance Energy Saving For Textile Industry

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

- Name: Series 2.8MW Maintenance And Repair Coal Fired Hot Water Boiler
- Rated Working Pressure: 1.0MPa
- Outlet Water Temperature: 95
- Working Efficiency: 83%
- Design Fuel: Coal
- Water Volumn: 3.59m<sup>3</sup>
- Weight: Depends
- Warranty: 2 Years
- Highlight: oil steam boiler, hot water wood boiler

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## Product Description

### Product Discription

#### Series Double Drum Chain Grate Biomass Water Boiler

The series Double drum chain, grilled biomass hot water boiler, the main engine in the boiler is designed as a double drum length arrangement, the top drum is equipped with a steam separation device, the bottom drum is equipped with a waste water discharge device during the set period, and an oven Its left and right sides are equipped with water pipes. The electric grate is used to automatically add fuel, and the back of the grate is a drilling chamber and a convection tube. The fan and the induced traction frequency adjuster are distributed for mechanical ventilation and are equipped with an automatic charge charge. The fuel enters the chain stone and enters the furnace for combustion. The flue gas enters the tail stream through the furnace, embalming, convection pipes, economists or air heaters, enters dust moulds, induced traction, the chimney and finally is released into the atmosphere.

### Product Features

#### 1. Easy installation:

Boilers are generally fast -loading installations which are convenient for the transport and installation of installations, significantly shorten the installation cycle, save on installation costs and allow the use of boilers in time.

#### 2. Reliable operation:

The heat surface of the boiler is reasonably aligned, the water circulation is smooth and the heat surfaces are cooled in time to ensure the safe operation of the boiler.

#### 3. Easy maintenance:

The boiler drum is equipped with maintenance holes to repair it. It is convenient to open the smoke box in front of the oven, comfortable and ready for personnel inspection, which provides good conditions for proper treatment.

#### 4. full burn.

Using secondary air and a sensible furnace design, the fuel can be fully incinerated and the black smoke can be removed.

#### 5.High efficiency:

The bumper grate uses dual -sided ventilation and dust removal technology that makes the back of the grate naturally ventilated, avoids air leakage, oil cover and uneven ventilation, and is easy to operate. Compared to ordinary roast, it has obvious advantages.

#### 6. removal of ashes:

Boilers may be equipped with several vacuum cleaners capable of removing ash in a timely and efficient manner, avoiding operational failures and thermal efficiency failures caused by ash chain accumulation and ensuring boiler stability.

### 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 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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