



## Industrial Biomass Steam Boiler Rapid Warming Fast Assembling 1 Ton Capacity

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: 1t/h Easy To Operation DZL Series Biomass Fired Steam Boiler
- Design Fuel: Biomass, Straw, Wood, Coal
- Usage: Industrial Hospital
- Style: Historical
- Condition: New
- Working Pressure: 1.25Mpa
- Transport Dimension: 5.1\*2.2\*2.9
- Weight: 15t
- Highlight: industrial biomass boiler, biomass log boiler

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## Product Description

### Product Description

#### Series Biomass Steam Boiler

The new steam boiler series is a single coil cooled with shells and pipe boilers with chain combustion equipment. The water wall on both sides of the furnace body is a radiant heat surface.

In the lower part of the kiln tubes, a new cross -arrangement technology is used. The two branches of the furnace body are convective heat surfaces and the wired smoke tube (57 x3) convective heat surface is placed in the boiler. The wall is made of heat -resistant concrete and the outside of the boiler is a three -dimensional shell.

### Product Features

#### 1. Facility comfort:

The boiler is usually a fast -charging plant, easy to transport and install on site, significantly shortens the installation cycle, saves installation costs so that the boiler can be put into production in time.

#### 2. Reliable operation:

It is reasonable with regard to the design of the heating surface, the water circulation is smooth and each heating surface is cooled in time for the boiler to function safely.

#### 3. Maintenance and repair of convenience:

Boilers drum set up sewer, can enter inspection repair. It is convenient to open the smoke box in front of the boiler and the staff can control it easily and clearly, giving a good condition for proper treatment.

#### 4. Full combustion:

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

#### 5. High efficiency:

The boiler grill uses double -sided ventilation, which is naturally brought to the back of the boiler by means of dust abatement technology, which avoids air leakage, fuel leakage and uneven ventilation, which is easy to operate and which has obvious advantages over ordinary grates.

#### 6. Recent ash treatment:

The boiler can be equipped with many ash cleaning loops that can remove ash in time and efficiently, avoid operating problems and reduce thermal efficiency caused by boiler ash accumulation and ensure boiler stability.

### Technical Parameters

#### Main Technical Parameters of Biomass Series Steam Boiler

Steam Capacity	t/h	1	2	3	4	6	8	10
Working Pressure	MPa	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6	1.25/1.6
Steam Temperature		193/204	193/204	193/204	193/204	193/204	193/204	193/204
Feed Water Temperature		20	20	20	20	20	20	60
Thermal Efficiency	/	≥82%						
Fuel	/	Biomass particles						
Fuel Consumption	Kg/h	176.6	352.3	571	522	1044	1396.5	1743.3
Heating area	m <sup>2</sup>	39.82	86	120.2	174.32	220.6	317	409
Grate area	m <sup>2</sup>	1.97	3.2	4.8	5.5	7.04	11.7	13.6
Power consumption	Kw	18	26	31.5	34	62.4	76.4	87.2
water volume	m <sup>3</sup>	4.5	4.68	5.9	6.3	11	13.8	16.5

**Note:**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 steam boiler

Steam Capacity	t/h	1	2	3	4	6	8	10
Transport Dimension	L	mm	5100	6140	6330	6880	7290	7800
	W	mm	2200	2600	2700	2700	3190	3400
	H	mm	2900	3300	3300	3300	3700	3700
Mainframe Transport Weight	/	t	15	18	24	27	31	33

Main Steam Valve Pipe Diameter	DN	mm	<b>65</b>	80	100	100	125	150	150
Feed Water Valve	DN	mm	<b>40</b>	40	40	40	50	50	50
Safety Valve Diameter	DN	mm	<b>2*40</b>	2*50	2*50	2*50	50/80	2*80	2*80
Drain Valve Pipe Diameter	DN	mm	<b>3*40</b>	3*40	3*40	3*40	3*40	3*40	3*40
Chimney Diameter	φ	mm	<b>280</b>	350	410	410	530	720	750

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



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