



## 6 Ton Biomass Steam Boiler Hot Air Generator Energy Saving Easy Operation

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: 6t/h New Condition DZL Series Biomass Fired Steam Boiler
- Style: Historical
- Boiler Efficiency: 82%
- Steam Temperature: 193/204
- Feed Water Temperature: 20
- Pressure: 1.25/1.6Mpa
- Dimension: 7.29\*3.19\*3.7
- Color: Customer's Requirement
- Highlight: **industrial biomass boiler, biomass fired boiler**

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## Product Description

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#### Series Biomass Steam Boiler

The new steam boiler in the series is a water boiler with a single drum, cap and tube, with chain barbecue combustion equipment. The water wall on both sides of the oven body is a surface of heating by radiation.

A new cross -regulation technology shall be adopted at the bottom of the furnace tube. The two wings of the furnace body are convective heating surfaces, and the convective heating surface of the filament pipe (57 x3).The furnace wall is made of heat -resistant concrete, and the exterior of the boiler is a three -dimensional casing.

### Product Features

#### 1. Easy installation:

Boilers are usually equipped with quick installation devices, which facilitate the transport and installation of equipment, significantly shorten the construction cycle and provide users with a comfortable environment.

#### 2. Operation failed:

The boiler is complete, water circulation is smooth and cooling is appropriate.

#### 3. maintenance equipment:

It is easy to open the drawer in front of the boiler and the staff can check it easily and clearly. These are good conditions for proper operation.

#### 4.Total fuel

The cover system is reasonable, water circulation is smooth and cooling is appropriate.

#### 5. Life and sustainability:

Freezing is an excellent and advanced production equipment with strict quality control. Each new boiler has quality assurance.

#### 6. Low noise level:

The boiler is characterised by low temperatures of gas emissions from the combustion chamber, high performance scrubber, low noise air and so on, which meet national environmental requirements.

### 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	<b>1.25/1.6</b>	1.25/1.6	1.25/1.6
Steam Temperature		193/204	193/204	193/204	193/204	<b>193/204</b>	193/204	193/204
Feed Water Temperature		20	20	20	20	<b>20</b>	20	60
Thermal Efficiency	/	≥82%						
Fuel	/	Biomass particles						
Fuel Consumption	Kg/h	176.6	352.3	571	522	<b>1044</b>	1396.5	1743.3
Heating area	m <sup>2</sup>	39.82	86	120.2	174.32	<b>220.6</b>	317	409
Grate area	m <sup>2</sup>	1.97	3.2	4.8	5.5	<b>7.04</b>	11.7	13.6
Power consumption	Kw	18	26	31.5	34	<b>62.4</b>	76.4	87.2
water volume	m <sup>3</sup>	4.5	4.68	5.9	6.3	<b>11</b>	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	<b>7290</b>	7800	8500
	W mm	2200	2600	2700	2700	<b>3190</b>	3400	3400
	H mm	2900	3300	3300	3300	<b>3700</b>	3700	3700
Mainframe Transport Weight	/ t	15	18	24	27	<b>31</b>	33	41
Main Steam Valve Pipe Diameter	DN mm	65	80	100	100	<b>125</b>	150	150

Feed Water Valve	DN	mm	40	40	40	40	<b>50</b>	50	50
Safety Valve Diameter	DN	mm	2*40	2*50	2*50	2*50	<b>50/80</b>	2*80	2*80
Drain Valve Pipe Diameter	DN	mm	3*40	3*40	3*40	3*40	<b>3*40</b>	3*40	3*40
Chimney Diameter	φ	mm	280	350	410	410	<b>530</b>	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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