



Residential Biomass Steam Boiler Horizontal

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: 10t/h Residential Commercial DZL Series Biomass Fired Steam Boiler
- Certification: ISO CE
- Thermal Efficiency: 82%
- Usage: Industrial, Power Station, For Hospital, Industrial/Power Station
- After-sales Service Provided: Engineers Available To Service Machinery Overseas
- Output: Steam
- Dimension(l*w*h): 7.8*3.4*3.7m
- Weight: 33t
- Highlight: industrial biomass boiler, biomass fired boiler

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Product Description

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SeriesBiomass 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 generally equipped with fast equipment which facilitates the transport and installation of equipment, significantly shortens the construction cycle and provides a comfortable environment for users.

2. Operation Two Failed:

The furnace is ready, the water flow is smooth and the cooling is time!

3. Maintenance equipment:

It is easy to open the drawer in front of the boiler, and the staff can easily and clearly check it

4. Total burns

The coating system is reasonable, the water circulation is smooth and the cooling is timely.

5. Life and sustainability:

Freezing is an excellent and advanced production equipment with strict quality control.All new boilers have quality assurance.

6. Low noise level:

The boiler is characterised by low gas emissions from the combustion chamber, high -performance scrubbers, low -noise air, etc., 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	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 ²	39.82	86	120.2	174.32	220.6	317	409
Grate area	m ²	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 ³	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	8500
	W mm	2200	2600	2700	2700	3190	3400	3400
	H mm	2900	3300	3300	3300	3700	3700	3700
Mainframe Transport Weight	/ t	15	18	24	27	31	33	41
Main Steam Valve Pipe Diameter	DN mm	65	80	100	100	125	150	150
Feed Water Valve	DN mm	40	40	40	40	50	50	50

Safety Valve Diameter	DN	mm	2*40	2*50	2*50	2*50	50/80	2*80	2*80
Drain Valve Pipe Diameter	DN	mm	3*40	3*40	3*40	3*40	3*40	3*40	3*40
Chimney Diameter	φ	mm	280	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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