Non Pollution Biomass Steam Boiler Long Durability Corrosion Resistant Stable

Basic Information

Place of Origin: China (Mainland)

Brand Name: YujiCertification: ISO CE

Model Number: Biomass Hot Water Boiler

Minimum Order Quantity: 1 sets
Price: Negotiable
Packaging Details: Wood packet
Delivery Time: 15 days
Payment Terms: L/C, T/T

Supply Ability: 5 sets per month



Product Specification

Thermal Power: 0.7-7MWOutlet Water Pressure: 1.0/1.25MPa

Boiler Efficiency: 83%
Conditon: New
Main Body Weight: Depends
Dimension: Depends
Water Valumn: 5.1-20.5t
Warrary: 2 Years

• Highlight: industrial biomass boiler, biomass fired boiler

Product Discription

Series Biomass Fired water Boiler

The shell is 1600 mm, the water wall on the left and right sides of the furnace is a radiation heating surface, and the bottom of the furnace tube adopts a new cross-arrangement technology of 1600. The cylinder is 160.160, the furnace wall is made of heat-resistant concrete, and the outside of the furnace is three-dimensional.

Boiler body is symmetrically arranged from top to bottom, water wall tube is 160, coupling tube is 160, cylinder is composed of 1600 *14 tubesheet. Boiler tubes are 57X-3, 159x6, 133x6 and 160. There are front and rear brackets in the boiler. The combustion efficiency is high.

Product Features

1. Installation convenience:

The boiler is generally fast-loading factory, easy to transport and on-site installation, greatly shorten the construction cycle.

2. Reliable operation:

Boiler heating surface layout is reasonable, water circulation is smooth, and each heating surface is cooled in time.

3. Maintenance and repair convenience:

It is convenient to open the smoke box in front of the boiler, and the personnel can check it easily and clearly, which provides a good condition for correct treatment.

4. Full combustion:

With the secondary air and reasonable furnace design, the fuel can be fully burned and the black smoke can be eliminated.

5. High efficiency grate:

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

6. Convenient ash cleaning:

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

Technical Parameters

Main Technical Parameters of Series Biomass Hot Water Boiler

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Thermal Power	MW	0.7	1.4	2.1	2.8	4.2	5.6	7		
Outlet Pressure	MPa	1.0	1.0	1.0	1.0	1.0/1.25	1.0/1.25	1.0/1.25		
Outlet Temperature		95	95	95	95	95/115	95/115	95/115		
Feed Water Temperature		70	70	70	70	70	70	70		
Thermal Efficiency	/	≥83%								
Fuel	/	ı	ass pa							
Fuel Consumption	Kg/h	174.3	348.6	517	687.2	1024	1374.3	1708		
Heating area	m2	35.2	79.8	114.2	168	207.6	300.5	391		
Grate area	m2	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	m3	5.1	5.58	6.95	9.3	14	17.8	20.5		

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.

Thermal Power	M	W	0.7	1.4	2.1	2.8	4.2	5.6	7
Transport	L	mm	5100	6140	6330	6880	7290	7800	8500
Dimension	W	mm	2200	2600	2700	2700	3190	3400	3400
	Н	mm	2900	3300	3300	3300	3700	3700	3700
Mainframe Transport Weight	/	t	15	18	24	27	31	33	41
Outlet Water Valve	DN	mm	80	100	125	125	150	200	200
Feed Water Valve	DN	mm	80	100	125	125	150	200	200
Safety Valve Diameter	DN	mm	1*32	1*50	2*40	2*40	2*50	2*50	2*50/80

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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