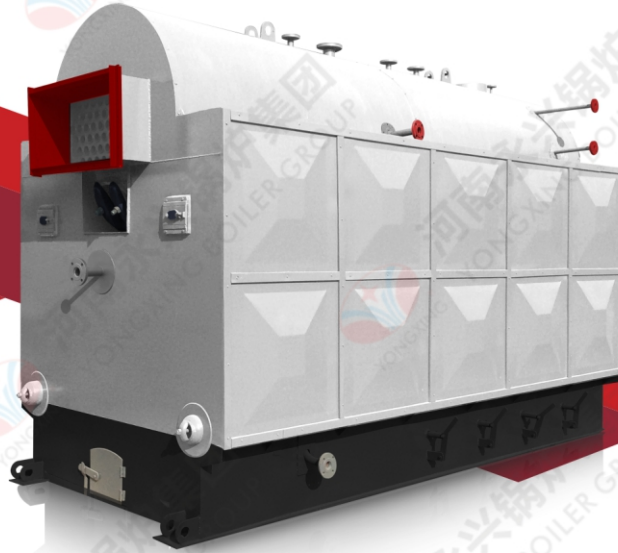




河南永兴锅炉集团有限公司
HENAN YONGXING BOILER GROUP CO., LTD.



DZH型手烧生物质锅炉

DZH MANUALLY COAL/BIOMASS FIRED BOILER

产品简介 Product Introduction

DZH型手烧生物质锅炉是一种单锅筒纵置式生物质锅炉，是我公司为响应环保政策而研发的新产品。它采用秸秆、锯末、花生壳等农作物废弃物加工制成的生物质颗粒为燃料，烟气的排放量较燃煤锅炉大大减少，符合国家环保的标准。更好的是农作物废弃物随处可见，不仅变废为宝，实现了能源的再利用，而且价格低廉，达到了社会效益和经济效益的双重统一。

此锅炉是一种卧式三回程水火管式锅炉，采用新型的炉膛设计，最大程度的促进了燃料的燃烧，使热效率达到了83%。燃料燃烧后，烟气经受热面、省煤器、空气预热器等进入除尘器，最后再由烟囱排入大气，剩余的少量灰渣落入排渣口，作为农作物生长所需要的农家肥使用。

DZH type manually biomass fired boiler is a single-drum vertical type, which is a new product developed by our company in response to environmental protection policy. It uses biomass pellets processed from crop waste such as straw, sawdust and peanut shells as fuel. The emission of flue gas is greatly reduced which compared with coal-fired boilers, and meets the national environmental protection standards. Better yet crop waste can be got everywhere, not only Changing waste into treasure which can realize the reuse of energy, but also low cost which can achieve the dual unity of social and economic benefits.

This is horizontal three-returns water-fire tube boiler with a new furnace design which greatly promotes fuel combustion and achieve the thermal efficiency to 83%. After fuel combustion, Smoke discharge to the air through heat area, economizer, air preheater, dust remover and chimney. And the remaining small amount of ash falls into the slag discharge hole as farmyard fertilizer.

性能特点 Performance Characteristics

- 采用先进的活动炉排设计，减轻了炉排的安装、检修工作量
- 锅炉运行平稳，故障率低
- 外观采用304不锈钢包装，非常的美观
- 采用的螺纹烟管具有自净功能，减少了炉内清理的工作量
- 燃烧后的灰渣还可作为农家肥，回拢成本，降低企业投资
- 燃烧及换热过程中无积灰和结渣问题，保证了能够长期安全的运行
- 尾部烟道布置有除尘器，保证烟尘排放符合环保要求
- 控制系统具有各种保护功能，如蒸汽压力极高保护、高低水位报警、电机过载保护、停电自动保护以及锅内缺水保护等

- It adopts advanced activity grate design to reduce the installation and maintenance of the grate.
- The boiler runs smoothly and low failure rate.
- The appearance is packaged in 304 stainless steel, which is very beautiful.
- The threaded pipe adopts self-cleaning function, which reduces the workload of cleaning.
- The ash after burning can also be used as farmyard manure to reduce costs and corporate investment.
- There is no ash accumulation and slagging in the process of combustion and heat exchange, which ensures long-term safe operation.
- The tail flue is equipped with a dust remover to ensure that the dust emission meets environmental protection requirements.
- The control system has various protection functions, such as extremely high steam pressure protection, high and low water level alarm, motor overload protection, automatic power failure protection and water shortage protection in the boiler.

系统图 System Diagram

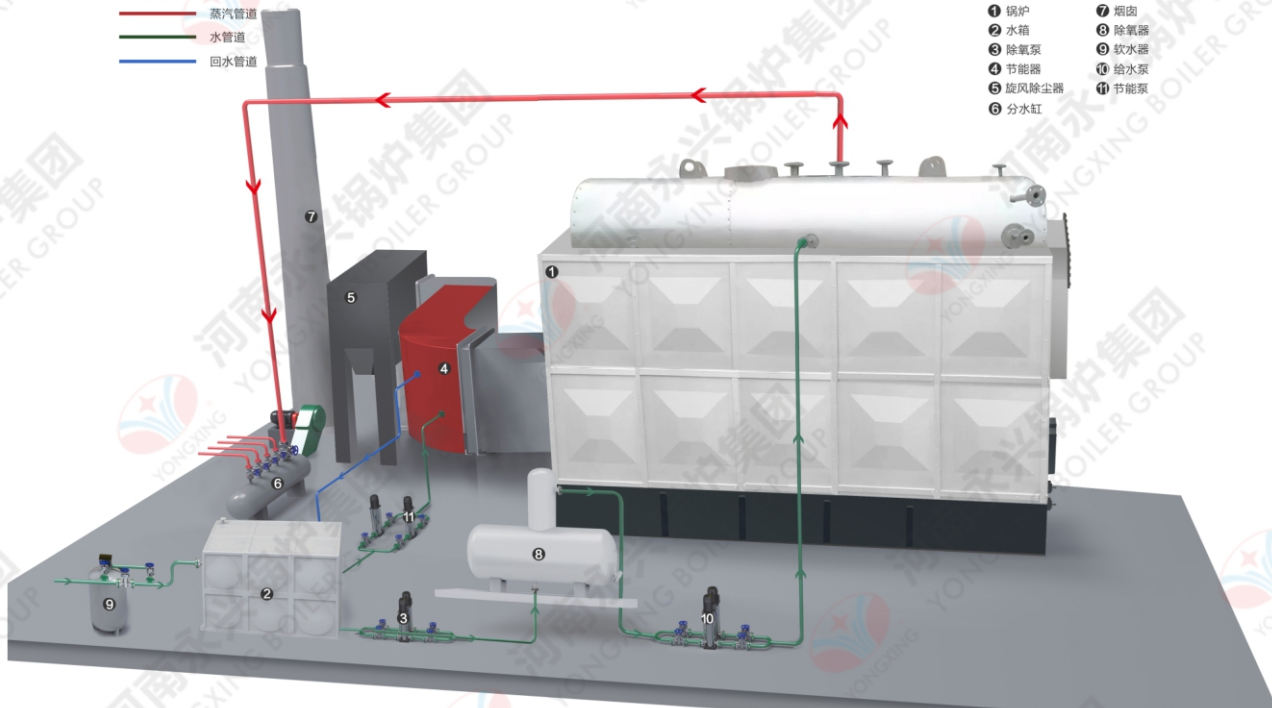
蒸汽管道 Steam Pipeline 水管道 Water Pipeline 回水管道 Water Return Pipeline

图样列表

蒸汽管道
水管道
回水管道

设备名称

① 锅炉
② 水箱
③ 除氧泵
④ 节能器
⑤ 旋风除尘器
⑥ 分水缸
⑦ 烟囱
⑧ 除氧器
⑨ 软水器
⑩ 给水泵
⑪ 节能泵



设备名称 Equipment Name

- | | | | |
|------------------------------|-------------------------------|----------------------------|------------------|
| ① 锅炉 Boiler | ② 水箱 Water Tank | ③ 除氧泵 Deoxygenization Pump | ④ 节能器 Economizer |
| ⑤ 旋风除尘器 Cyclone Dust Remover | ⑥ 分水缸 Water Separating Header | ⑦ 烟囱 Chimney | ⑧ 除氧器 Deaerator |
| ⑨ 软水器 Water Softener | ⑩ 给水泵 Feed Water Pump | ⑪ 节能泵 Energy-Saving Pump | |

技术参数 Technical Parameters

• 蒸汽锅炉 Steam Boiler

型号规格 Model And Specification Unit	额定蒸发量 Rated Steam Capacity (T/h)	额定工作压力 Rated Working Pressure (MPa)	饱和蒸汽温度 Saturated Steam Temperature (°C)	热效率 Heat Efficiency (%)	设计燃料 Design Fuel	最大运输重量 Max Transport Weight (KG)	最大运输尺寸 Max Transport Dimension(LxWxH) (MM)
DZH0.5-1.25-T	0.5	1.25	194	83	生物质 燃料 Biomass Fuel	9000	3300x2000x2656
DZH1-1.25-T	1					13000	4500x1800x2800
DZH2-1.25-T	2					21000	4900x1900x3255
DZH3-1.25-T	3					23000	5200x2000x3300
DZH4-1.25-T	4					24500	5830x2150x3480
DZH6-1.25-T	6					26000	7740x3770x3440

• 承压热水锅炉 Pressure Bearing Hot Water Boiler

型号规格 Model And Specification Unit	额定热功率 Rated Heat Power (MW)	额定工作压力 Rated Working Pressure (MPa)	额定出/回水温度 Rated Outlet/Return Temp (°C)	热效率 Heat Efficiency (%)	设计燃料 Design Fuel	最大运输重量 Max Transport Weight (KG)	最大外型尺寸 Max Dimension (MM)
DZH0.35-1.0/115/70-T	0.35	1	115/70	83	生物质 燃料 Biomass Fuel	9000	3300x2000x2656
DZH0.7-1.0/115/70-T	0.7					13000	4820x2150x2960
DZH1.4-1.0/115/70-T	1.4					25000	5280x2380x3030
DZH2.1-1.0/115/70-T	2.1					26000	5500x2420x3250
DZH2.8-1.0/115/70-T	2.8					28000	6000x2500x3400
DZH4.2-1.0/115/70-T	4.2					30000	7200x2600x3800

• 常压热水锅炉 Atmospheric Pressure Hot Water Boiler

型号规格 Model And Specification Unit	额定热功率 Rated Heat Power (MW)	额定工作压力 Rated Working Pressure (MPa)	额定出/回水温度 Rated Outlet/Return Temp (°C)	热效率 Heat Efficiency (%)	设计燃料 Design Fuel	最大运输重量 Max Transport Weight (KG)	最大外型尺寸 Max Dimension (MM)
CDZH0.35-85/60-T	0.35	0	85/60	83	生物质 燃料 Biomass Fuel	9000	3300x2000x2656
CDZH0.7-85/60-T	0.7					13000	4820x2150x2960
CDZH1.4-85/60-T	1.4					25000	5280x2380x3030
CDZH2.1-85/60-T	2.1					26000	5500x2420x3250
CDZH2.8-85/60-T	2.8					28000	6000x2500x3400
CDZH4.2-85/60-T	4.2					30000	7200x2600x3800

相关案例 Related Project



2018.05.07 固始县金达木业有限公司2吨手烧生物质蒸汽锅炉
2018.05.07 2t/h DZH manually feeding biomass boiler in Henan Jinda Wood Industry Co.,Ltd



2018.04.28 湖北永光化工有限公司2吨生物质蒸汽锅炉
2018.04.28 2t/h DZH manually feeding biomass boiler in Hubei Yongguang Chemical industry co.,ltd



2015.09 江苏南京卓派酿酒有限公司2吨蒸汽锅炉
2015.09 2t/h steam boiler in Jiangsu Zhuopai Wine Making Co.,Ltd



2013.09 新疆顺河天一纺织厂2吨手烧生物质锅炉
2013.09 2t/h manually feeding biomass boiler in Xinjiang Tianyi textile factory

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