COAL-FIRED/ BIOMASS BOILER



WILFORD® 威孚热能

WILFORD JOINTLY FORGE

A New Global Thermal Ecosystem



HOT WATER BOILER AND STEAM BOILER



PRODUCT DESCRIPTION

- The boiler adopts the latest research results, such as: arched tube plate, screw thread smoke tube, hot water boiler backwater ejection technology, solves the pot type boiler tube plate crack at the lower part of the drum, drum kits, water wall tube broken ,low thermal efficiency, low output, poor adaptability of coal.
- Combustion: fuel from coal scuttle fall in front of the stove grate, during operation ,after coal preheating and dry distillation, ignition, combustion, the slag drop into the slag bucket, then been removed out furnace by slagging machine at any time. Furnace arch uses herringbone arch, improving the conditions of ignition. Flue gas forms vortex between the throat of the front, rear arch mixed with air. After combustion ,flue gas enters the two wings flue, through the front smoke box into the thread smoke tube, then go through cast iron economizer(hot water boiler no need)dust collectors, finally discharged by lead fan to chimney.
- Boiler water circulation progresses on natural circulation and ejection. The radiation heating surface is left and right side cold water wall .The two wings of boiler furnace are main convection heating surface. The thread smoke tube in boiler furnace is convection heating surface. The boiler furnace is separated by fold smoke wall-firebox and reburning chamber .Boiler main body is covered by three-dimensional shape plate shell .

SZL NEW COAL（BIOMASS）-FIRED STEAM BOILER

The rated capacity	T/h	6	8	10	15	20	25	30	40	65	80	90	100
The fuel（coal）	kg/h	960	1260	1500	2400	3200	4000	4050	4980	11188	12695	14258	15500
The rated working pressure	Mpa	0.7/1.0/1.25/1.6/2.5											
The rated steam temperature	℃	Saturated steam 170/184/194/204/224/ Superheated steam 300/350/400											
Feed temperature	℃	20 104（Deaeration）											
Avaible fuel		Bituminous coal Class of anthracite All kinds of biomass fuel：straw，sawdust，bagasse，rice bran etc.											
Efficiency	%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%
The transport dimension	L mm	6630	6850	7830	9580	11350			Drawing shall prevail				
	W mm	2720	3160	3160	3320	3400			Drawing shall prevail				
	H mm	3530	3530	3530	3530	3530			Drawing shall prevail				
Boiler installation structure		Fast loading Assemble Inbulk											

SZL NEW COAL（BIOMASS）-FIRED HOT WATER BOILER

The rated heating capacity	MW	4.2	5.6	7	10.5	14	17.5	21	29	46	58	64	70
The fuel（coal）	kg/h	960	1260	1500	2400	3200	4000	4040	4980	11088	12690	14208	15400
Outlet pressure rating	Mpa	0.7/1.0/1.25/1.6											
Supply water temperature	℃	95/115/130											
Rated return temperature	℃	70	70	70	70	70	70	70	70	70	70	70	70
Avaible fuel		Bituminous coal Class of anthracite All kinds of biomass fuel：straw，sawdust，bagasse，rice bran etc.											
Efficiency	%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%
The transport dimension	L mm	6630	6850	7830	9580	11350			Drawing shall prevail				
	W mm	2720	3160	3160	3320	3400			Drawing shall prevail				
	H mm	3530	3530	3530	3530	3530			Drawing shall prevail				
Boiler installation structure		Fast loading Assemble Inbulk											

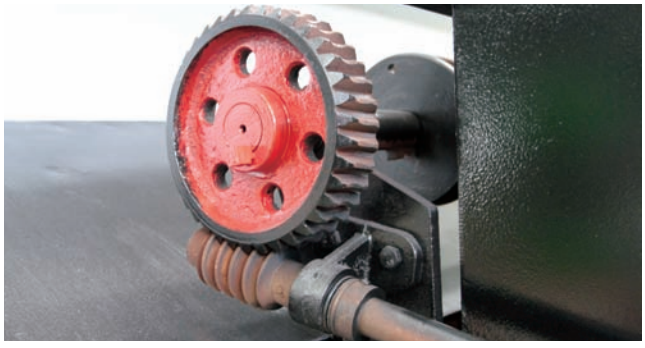
DZL NEW COAL(BIOMASS)-FIRED STEAM BOILER

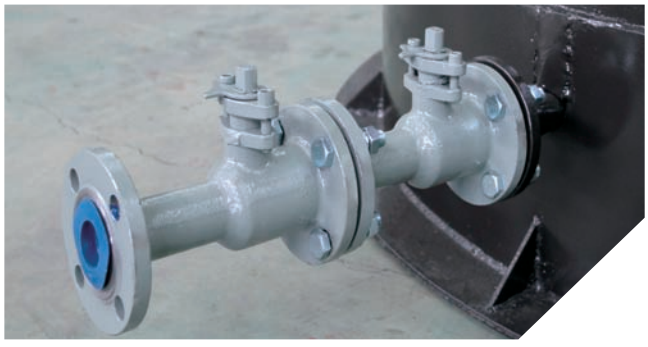
The rated capacity	T/h	1	2	4	6	8	10	20	30	40	65	80	90	100
The fuel (coal)	kg/h	165	320	600	960	1220	1500	3200	4050	4980	11188	12695	14258	15500
The rated working pressure	Mpa	0.7/1.0/1.25/1.6/2.5												
The rated steam temperature	℃	170/184/194/204/224												
Feed temperature	℃	20 104 (Deaeration)												
Avaible fuel		Bituminous coal Class of anthracite All kinds of biomass fuel：straw，sawdust，bagasse，rice bran etc.												
Efficiency	%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%	82%
The transport dimension	L mm	5150	5525	5900	7800	7800	6810	7300		Drawing shall prevail				
	W mm	2000	2440	2575	2850	2850	3100	3200		Drawing shall prevail				
	H mm	2900	3400	3400	3550	3550	3270	3500		Drawing shall prevail				
Boiler installation structure		Fast loading				Assemble			Inbulk					

DZL NEW COAL(BIOMASS)-FIRED HOT WATER BOILER

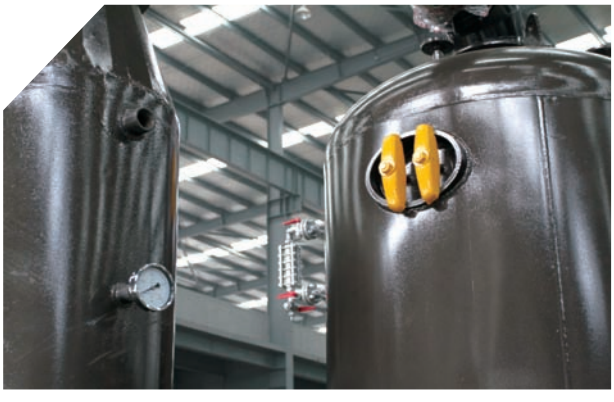
The rated heating capacity	MW	0.7	1.4	2.8	4.2	5.6	7	14	21	29	46	58	64	70
The fuel (coal)	kg/h	165	318	598	960	1220	1480	3200	4040	4980	11088	12690	14208	15400
Outlet pressure rating	Mpa	0.7/1.0/1.25/1.6												
Supply water temperature	℃	95/115/130												
Rated return temperature	℃	70	70	70	70	70	70	70	70	70	70	70	70	70
Avaible fuel		Bituminous coal Class of anthracite All kinds of biomass fuel：straw，sawdust，bagasse，rice bran etc.												
Efficiency	%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%	83%
The transport dimension	L mm	5000	5525	5900	7800	6810	7300			Drawing shall prevail				
	W mm	2000	2440	2575	2850	3100	3200			Drawing shall prevail				
	H mm	2900	3400	3400	3550	3270	3500			Drawing shall prevail				
Boiler installation structure		Fast loading				Assemble			Inbulk					







DETAILS DISPLAY







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