

HORIZONTAL BIOMASS PELLET BOILER



Model :HPB

Technical Feature

- This series are designed with triple recycle, wet back and bias boiler mechanism, with good transfer of heat to meet the national standard.
- The boiler tank is shaped of wave, to decrease the heat inflation effect, but increase the heat radius surface.
- The dryness of heat is above 96%
- The boiler is installed with multiple safety control system, including pressure, temperature, and water level.
- The operation system is highly automatic with ease, convenience and mobility.
- The boiler may satisfy most of complex work demanded.
- The manufacturing specification meets the related national standard.

Specification

model			HPB 1	HPB 2	HPB 3	HPB 4	HPB 6
Rated Evaporation	t/h		1	2	3	4	6
Rated steam pressure	Mpa		1.0	1.25/1.6			
Rated steam temperature	°C		184	193/204			
Water temperature	°C		20				
Gas temperature	°C		170	170	170	170	170
Heated area	m ²		24	49.2	81.4	106.5	160
Design efficiency	%		86%				
Fuel consumption	Biomass	kg/h	200	400	600	800	1200
Equipment weight		t	4.6	7.6	11.2	12.5	18
Ontology	Length	mm	3638	4265	4872	5592	7700
	Width	mm	2372	2575	2920	2780	3100
	Height	mm	2776	3050	3362	3362	3600
Connector dimension	main steam valve	DN	50	65	80	80	100
	Inlet valve caliber	DN	25	32	40	40	40
	safety valve caliber	DN	50	65	65	50 x 2	65 x 2
	Blow-offvalve caliber	DN	40	50	50	50	50
	chimney	∅mm	300	350	400	450	500