

Technical Parameters for the 130t/h CFB

Name	Unit	Spec.			
Model		DH-130/3.82-M	DH-130/5.3-M	DH-130/9.8-M1	
Rated Evaporation Capacity	t/h	130	130	130	
Maximum Continuous Evaporation	t/h	150	150	150	
Rated Steam Pressure	MPa	3.82	5.3	5.3	
Rated Steam Temperature	°C	450	485	485	
Feed Water Temperature	°C	150	150	150	
Adaptive Fuels		Anthracite, lean coal, bituminous coal, lignite, petroleum coke, chain ashes, etc.			
Water side resistance of boiler body	MPa	0.3	0.3	0.3	
Steam side resistance of the boiler body	MPa	0.75	0.7	0.7	
Primary wind-side resistance	Pa	13500	13500	13500	
Secondary wind-side resistance	Pa	9000	9000	9000	
Induced air-side resistance	Pa	3800	3800	3800	
Feed return device resistance	Pa	48000	48000	48000	
Hearth height	m	29.9	29.9	29.9	
Hearth section	m ²	39.2	39.2	39.2	
Air distribution plate section	m ²	19.1	19.1	19.1	
Residence time of flue gas inside the hearth	Sec		< 5.5 ~ 6		
Number of separators	Set		2		
Separator Type		Membrane-type wall steam cooling (or water cooling) or steel plate heat-insulation type, volute type.			
Inner diameter of separator	m		3.82		
Separator separation efficiency	%		99.5		
Number of coal feeders	Set		3		
Superheater attemperation mode		By spraying the self-produced condensed water or feed water Feed water spraying			
Carbon content in boiler ashes (when burning the bituminous coal)	%		>6		
Temperature of the preheated air	°C	140	140	168	168
Temperature of the exhaust flue gas	°C		145	5	
Elevation of the operating level	m	8	8	8	8
Elevation of the boiler roof plate	m	43.6	44.6	44.6	43.2
Boiler column spacing	m	17.6 10	17.6 10	17.55 10	17.55 10