

Technical Parameters for the 75t/h CFB

Name	Unit	Spec.		
Model		DH-75/3.82-M	DH-75/5.3-M	DH-75/9.8-M1
Rated Evaporation Capacity	t/h	75	75	75
Maximum Continuous Evaporation	t/h	85	85	85
Rated Steam Pressure	MPa	3.82	5.3	9.8
Rated Steam Temperature	°C	450	485	540
Feed Water Temperature	°C	150	150	215
Adaptive Fuels		Anthracite, lean coal, bituminous coal, lignite, petroleum coke, etc.		
Water side resistance of boiler	MPa	0.3	0.3	0.3
Steam side resistance of the boiler body	MPa	0.4	0.4	1
Primary wind-side resistance	Pa	12500	23500	12500
Secondary wind-side resistance	Pa	8500	8500	8500
Induced air-side resistance	Pa	3600	3600	3600
Feed return device resistance	Pa	40000	40000	40000
Hearth height	m	26.2	26.2	26.2
Hearth section	m ²		21	
Air distribution plate section	m ²		9.5	
Residence time of flue gas inside the hearth	Sec		>5.5	
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	
Separator separation efficiency	%		99.5	
Number of coal feeders	Set		2	
Superheater attemperation mode		By spraying the self-produced condensed water or feed		
Carbon content in boiler ashes (when burning the bituminous)	%		< 6	
Temperature of the preheated air	°C		150	
Temperature of the exhaust flue	°C		145	5
Elevation of the operating level	m		7	
Elevation of the boiler roof plate	m		37	