

		Document: Datasheet of BA CONVEYOR 1			
		Document nr. 1240420-DRB16-M003			
System:		Bottom ash Handling System			
Document Revision:	7	Prepared		Approved	Date
SI No:	3	-		CEI	10.12.20
A General					
Plant	:	Tanjung Jati B-Unit 5&6; 1000 MW , Indonesia			
Unit	:	Unit 5 & 6			
Ambient Temperature	:	Min-Max: 22 – 35°C ; Avg -29°C			
Relative Humidity	:	Min – Max: 50% – 92% ; Avg- 75%			
Barometric Pressure	:	100,78 kPa			
B Design Basis					
Material	:	Bottom Ash			
Density for volumetric calculation	:	kg/m ³		720	
Density for Power calculation	:	kg/m ³		1120	
Particle Size	:	mm		max 250	
Design Temperature of Bottom Ash	:	°C		850	
Conveying Capacity	:				
Normal	:	t/h		4,39	
Maximum design	:	t/h		15	
Emergency	:	t/h		30	
Furnace Pressure at furnace bottom	:				
Furnace Pressure (normal operation)	:	mmWG		-80 ± 20 (-100 to -60)	
Furnace Pressure (Max)	:	mmWG		± 900	
C Machinery Data					
Design conveying capacity (max)	:	t/h		30	
Arrangement	:	Inclined			
Installation	:	Outdoor			
Quantity	:	Unit 5: 1 No - 50HDA04AF001			
	:	Unit 6: 1 No - 60HDA04AF001			
D Manufacturing Data					
Typology	:	DRYCON , Dry Ash Extractor - Clyde Begemann Patent			
Manufactur / Model No	:	Clyde Bergemann ; DRB16			
Operating time	:	Continuous			
Conveyor Speed	:	m/min		0,9- 5,8	
Noise emission limit value	:	< 85 db(A) @ 1 m from surface of equipment			
Max. Surface temperature	:	°C		60°C	
Max Air consumption for cooling through BA Conveyor 1 & 2 (at design ash generation rate-15 t/h)	:	t/h		33	
Ash temp. at outlet point	:	°C		< 200°C	
Conveyor Type	:	Apron Chain conveyor; Positive displacement, Enclosed			
E Conveyor Dimension & Parts					
Belt Width	:	mm		1200	
Casing Width	:	mm		1600	
Conveying length -CL Drive to Tail Sprocket	:	mm		~ 53100	
Vertical length -CL Drive to Tail Sprocket	:	mm		~10300	
Max slope	:	-		33°	
Weight	:	tons		~ 100 (APPROX)	

