



HUSKPACTM ULTRA

3 Pass, Wet Back, Integral Furnace, Packaged, Husk Fired Boiler

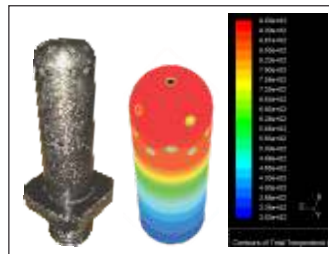
Capacity Range
2000 to 6000 kg/hr

Standard Design Pressure
10.54 & 17.5 kg/cm²g

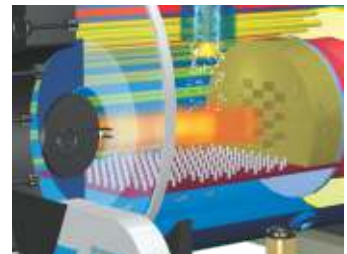


Unique design features

- **Top fuel feeding with independent fuel feeding fan:**
Avoids fuel carryover and unburnt loss.
- **Bubbling Bed combustion:** Turbulent mixing of fuel and air increases combustion efficiency and reduces ash settling.
- **Pressure part design validation by Finite Element Analysis:** Sophisticated design and analysis software helps to simulate the strength of pressure parts at all locations.
- **Bubbling Bed nozzle design by CFD Analysis:** Sophisticated advanced flow analysis software helps to simulate the flow of gases & liquids, heat & mass transfer and fluid structure interaction. Thus, nozzles designed using CFD ensure proper cooling and longer life.



Special nozzle with temperature profile



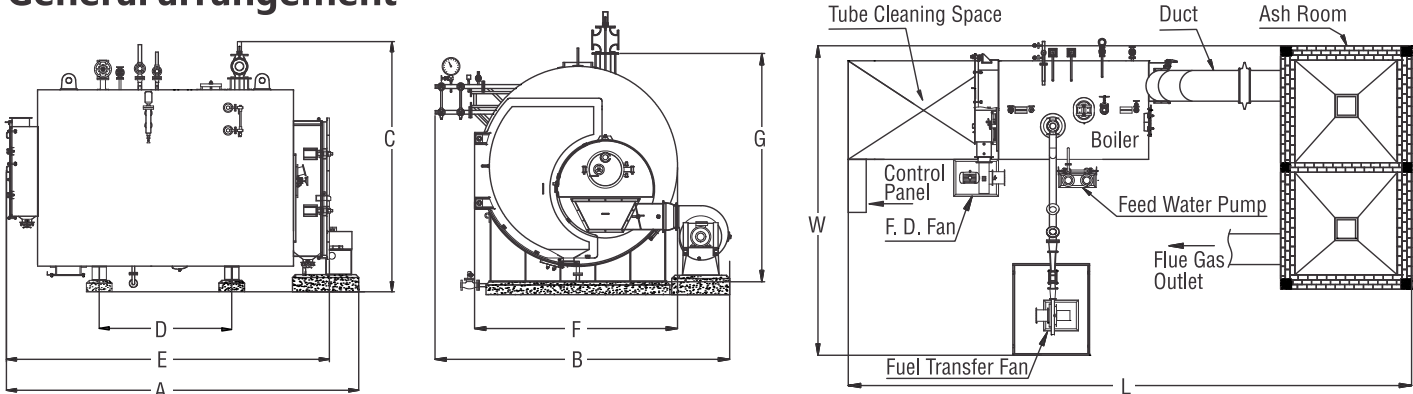
Bubbling Bed

Technical specifications

Description	Unit	HP 20 BB	HP 30 BB	HP 40 BB	HP 50 BB	HP 60 BB
Capacity (F & A 100 °C)	kg / hr	2000	3000	4000	5000	6000
Design Pressure (SVLOP)	kg / cm ² g	10.54 / 17.5				
Efficiency (Husk)	%	79 (As per BS 845 Part 1 NCV Basis)				
Fuel		Husk / Coconut Shell				
Fuel Firing System		Automatic (With Independent Fuel Feeding Fan)				
Fuel Consumption	kg / hr	469	703	938	1172	1406
Connected Electrical Load		10.54 / 17.5				
Standard Unit (without PCE)	kW	10 / 11	15 / 17	17 / 19	21 / 24	33 / 36
With MDC / Cyclomax	kW	18 / 19	26 / 29	32 / 35	40 / 44	70 / 74
Dimensions & Weight						
Unit Assembly (A x B x C x D)	m	4.5x4.2x3.5x1.8	5.3x4.2x3.5x2.0	5.4x8.1x4.0x2.3	6.3x6.9x4.2x2.3	7.2x7.1x4.4x2.9
Transport (E x F x G)	m	4.3x2.1x2.6	4.8x2.4x2.8	5.0x2.9x3.4	5.6x3.1x3.5	6.2x3.3x3.7
Layout (L x W)	m	12x7	14x7	15x8	16x7	18x7
Chimney Top Diameter	mm	500	600	700	850	900
Dry Weight (10.54 / 17.5)	Tonne	10 / 11	12 / 15	18 / 22	23 / 27	26 / 30
Flooded Weight (10.54 / 17.5)	Tonne	17 / 18	22 / 25	34 / 38	45 / 49	51 / 55

Note: Design Standard-IBR. Efficiency is calculated based on NCV of Husk as 2900 kcal/kg. Above mentioned weight and dimensions may vary with actuals. Please refer to offer document for more details.

General arrangement



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