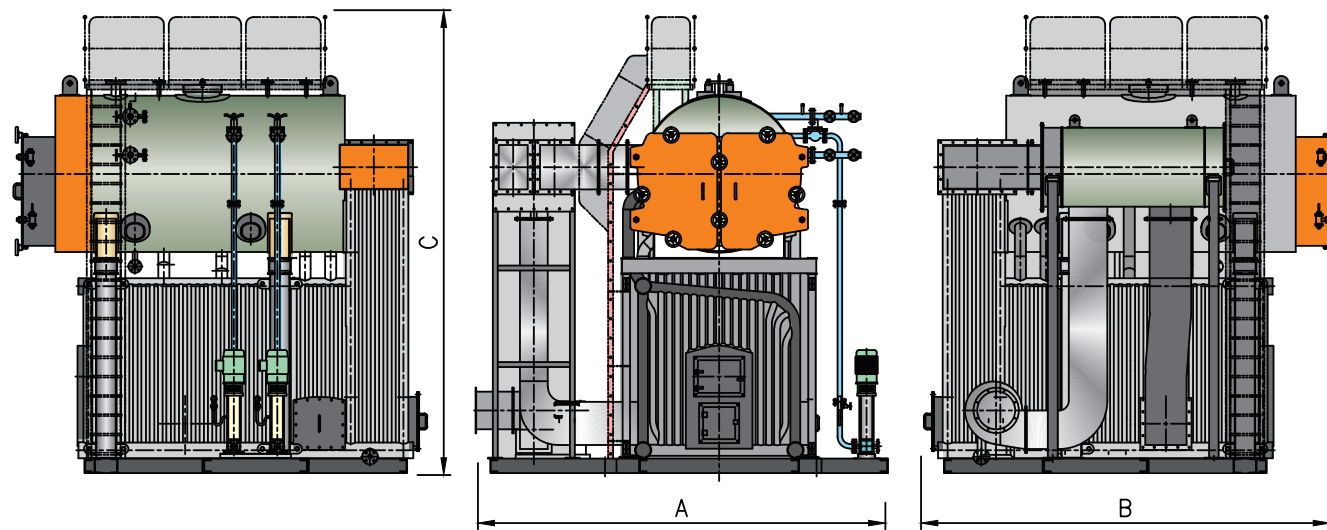


GENERAL ARRANGMENT



TECHNICAL SPECIFICATIONS

Description	Unit	CM 15	CM 20	CM 30	CM 40	CM 50	CM 60
Boiler type							
Max Stream output (F&A100°C)	kg.hr	1500	2000	3000	4000	5000	6000
Out let stream conditions							
Design Pressure (SVLOP)	kg/cm2 (g)			10.54/17.5			
Temperature	C			185/208			
Dryness				98%			
Overall size of the boiler with HRU							
Stationary Grate / Bubbling Bed							
Overall Width [A]	mm	3450	3750	4275	4800	5250	5250
Overall Length [B]	mm	3700	4050	4290	4600	5875	6100
Overall Height [C]	mm	4750	4900	4745	5150	5700	6100
Space for Tube Maint.	mm	2500	3000	3000	3250	4500	4500
Boiler House Width	mm	5800	6000	6300	6800	7300	7300
Boiler House Length	mm	8000	8500	9000	9800	11500	11500
Boiler House Height	mm	6000	6250	6000	6500	7000	7300
Weight of Boiler - Hydro	Cu.M	9800	12500	14500	17800	23500	27150
Weight of Boiler - Operation	Cu.M	8600	11250	13350	16350	21500	25300
Safety Valves [In/Out] & Qty.	NB/Nos	25/50 & 2	25/50 & 2	25/50 & 2	40/80 & 2	40/80 & 2	40/80 & 2
Main Steam Stop Valve	NB	50	80	80	100	100	150
Blowdown Valve - Shell	NB	25	25	25	40	40	40
Blowdown Valve - WWL	NB	25	25	25	25	25	25
Auxillary Valve	NB	25	25	25	25	25	25
Water Level Gauge	NB	20	20	20	20	20	20
Feed Water Inlet Stop Valve	NB	25	40	40	40	40	40
Feed Water Inlet Check Valve	NB	25	40	40	40	40	40
Pressure Gauge Iso. Valve	NB	15	15	15	15	15	15
Electrical connected load with MDC / Bag Filter							
Stationary Grate	kW	13.0/15.0	17.0/20.0	25.0/28.0	30.0/34.0	38.0/43.0	40.0/45.0
Bubbling Grate	kW	20.0/22.0	25.0/27.0	34.0/37.0	43.0/47.0	52.0/57.0	55.0/60.0
Chain Grate	kW	14.0/16.0	18.0/20.0	26.0/30.0	31.0/35.0	41.0/45.0	42.0/47.0
Horizontal Reciprocating Grate	kW	18.0/20.0	22.0/24.0	29.0/33.0	34.0/38.0	43.0/48.0	45.0/50.0

Note: Design code-IBR. Efficiency is calculated based on NCV of Paddy Husk as 2900 kcal/kg, Imported coal as 5570 kcal/kg, Indian coal as 4290 kcal/kg, Boimas briquette as 3600 kcal/kg & Biomass pellets as 4300 kcal/kg. Above mentioned dimensions and specifications may vary with Actual Please refers to offer document for more details.

COMMAX

FULLY AUTOMATIC SOLID FUEL FIRED IBR STEAM BOILER



COMPACT - PACKAGED MULTI FUEL FIRED STEAM BOILER

Capacity Range
1500 to 6000 kgs/hr

Standard Operating Pressure
10.54, 14.5 & 17.5kgs / sq.cm

FULL FLEDGED SALES AND SERVICE NETWORK IN INDIA & ABROAD

Erode - Madurai - Tirupur - Bangalore - Cochin - Hyderabad - Mumbai
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MAXTHERM (INDIA) PRIVATE LIMITED

MAXTHERM HOUSE

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Telefax: 044 - 2377 5911 / 23775912 / 2377 5913

Email : sales@maxthermindia.com web : www.maxthermindia.com



PIONEERS IN ENERGY AND ENVIRONMENT

ORIGIN

The Selection for a solid / Multi Fuel Fired steam Boiler were the internal furnace Boiler and the Combo - Hybrid Boiler. Now the Preference to reduce the silk work and response to the load will be better than the internal furnace boiler, with assurance of higher efficiency and flexibility in fuel of the combo-hybrid boiler.

The perfect solution and the best of internal furnace & Combo Hybrid Boiler during packed into one boiler.

The **COMMAX**, most modern submission from the "MAXTHERM INDIA" is a fusion of two design Internal Furnace & Combo Hybrid Boiler represents the future of packaged, Solid / Multi Fuel Fired Steam Boiler.

This highly efficient, compacted packaged steam boiler will meet-up your steam requirement in next days.



COMMAX - Unique Design Features

- ▶ Compact, Skid mounted and modular construction - up to 40% reduction in foot print.
- ▶ Pre-insulated and factory assembled-up to 80% reduction in site work.
- ▶ Flexibility of fuels (Biomass / Fossil) and combustors.
- ▶ Quick startup and better response to load fluctuations.
- ▶ 3-pass hybrid constructions with high combustion volume-better efficiency.
- ▶ Easy ash removal and better accessibility for maintenance.



COMPARISON

	Integral Furnace Boiler	Conventional Hybrid Boiler	COMMAX
Efficiency			
Steam to fuel Ratio	★ ★ ★	★ ★ ★ ★	★ ★ ★ ★ ★
Combustion volume	★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Residence time	★ ★	★ ★ ★ ★	★ ★ ★ ★ ★
Less air ingress & radiation losses	★ ★ ★ ★ ★	★ ★	★ ★ ★ ★ ★
Construction / Erection of Boiler			
Lesser foot print	★ ★ ★ ★	★	★ ★ ★ ★ ★
Less Ducting & Refractory	★ ★ ★ ★ ★	★ ★	★ ★ ★ ★ ★
Lower Boiler House Height	★ ★ ★ ★ ★	★	★ ★ ★ ★ ★
Better Boiler Aesthetics	★ ★ ★	★ ★	★ ★ ★ ★ ★
Modular Construction	★ ★ ★	★	★ ★ ★ ★ ★
Flexibility of combustors	★	★ ★	★ ★ ★ ★ ★
Operation and Maintenance			
Fuel Flexibility	★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Start up time	★ ★ ★	★ ★ ★	★ ★ ★ ★ ★
Refractory Maintenance	★ ★ ★ ★	★	★ ★ ★ ★ ★
Emission	★ ★	★ ★ ★	★ ★ ★ ★ ★

MULTI FUEL



DIFFERENT TYPE OF COMBUSTION - OPTIONS

