

RC MODEL

Hamada

BOILER

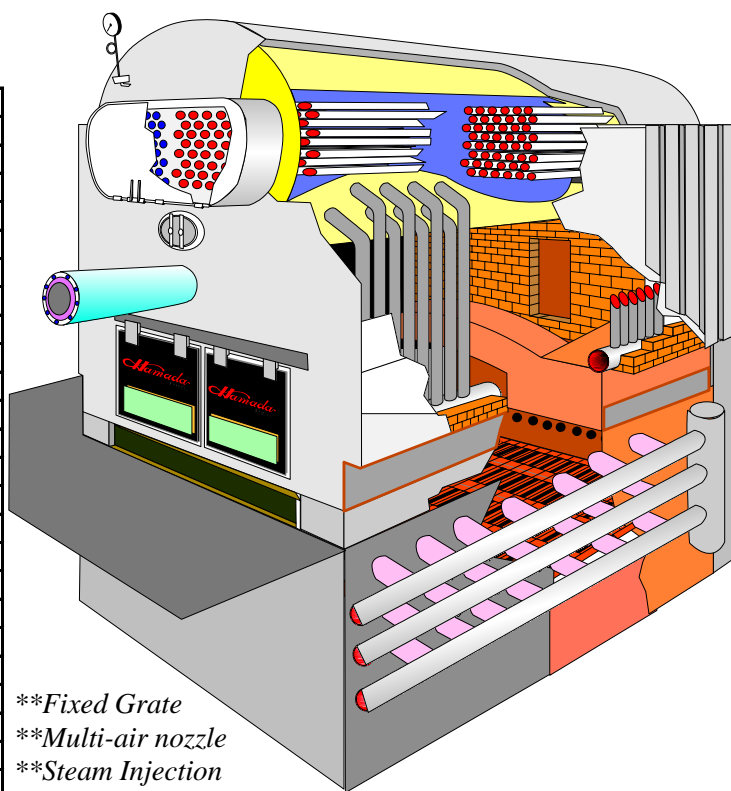
WOODWASTE / SAWDUST-FIRED BOILER

2 to 5 TON/H CAPACITY
13 KG/CM2 PRESSURE

Model RC Series

Firetube/watertube combination

MODEL NAME			RC2000	RC5000
GRATING SYSTEM		FIXED GRATE		
STEAM QUALITY			saturated	saturated
Steam Evaporation	kg/hr		2000	5000
Working Pressure	kg/cm2		13	13
Feed Water Temp.	deg.C		25	25
Furnace Volume	m3		6.84	13.68
Furnace Heat Release	kcal/m3/hr		225,000	225,000
Grate Area	m2		1.63	3.27
Heating Surface	Radiation	m2	20	28
	Convection	m2	60	150
	Economizer	m2	20	40
	Total H. Sur.	m2	100	188
Exhaust Gas Temp.	deg.C		180	180
Steam Shell	Diameter	mm	1500	1832
	Thickness	mm	12	16
	Lenght	mm	3200	4436
Header:	Diameter	mm	159	159
	Thickness	mm	6	6
Type of Fuel			wood	wood
Induced Draft Fan	Model		GY3-1	GY6-1
	Capacity	m3/hr	9112	16000
	Static Pressure	mmWG	196	313-338
	Electric Motor	Kw	11	30
Forced Draft Fan	Model			4-72-11-4.5A
	Capacity	m3/hr	4200	8000
	Static Pressure	mmWG	165	258
	Electric Motor	Kw	5.5	7.5 kw
Feed Water Pump	Brand		1 1/2GC 5x6	1 1/2GC-5x7
	Capacity	m3/hr	4	6
	Head	m	138	161
	Electric Motor	Kw	7.5	7.5
Main Steam Outlet			DN100	DN150



- **Fixed Grate
- **Multi-air nozzle
- **Steam Injection
- **Complete combustion
- **Pollution Free system
- **Environmental friendly operation

Specially designed for sawdust suspension firing

Below the smoke tube shell, large combustion furnace is placed to allow free movement of combustion gas for complete combustion. Radiation heat is absorbed by the waterwall on the both side. Multi-air nozzles are installed al around the furnace to create turbulence for mixing enough O2.

