

# PROCESS HEATING SYSTEM



**COMPACT-HX**



**COMPACT-VX**



**COMPACT-EX**

## COMPACT-S.I.B.

Multi Solid Fuel Fired, Vertical / Horizontal Semi Industrial Steam Boiler

**Capacity Range**

100 Kg/hr TO 600 Kg/hr

**Standard Design Pressure**

up to 7.00 Kg/cm<sup>2</sup>g

## BIOMASS FUEL FIRED SEMI INDUSTRIAL BOILER

| No. | DESCRIPTION               | UNIT               | COMPACT-HX/VX/EX |           |
|-----|---------------------------|--------------------|------------------|-----------|
| 1   | Capacity ( F&at 100*c)    | Kg/hr              | 400 Kg/hr        | 500 Kg/hr |
| 2   | Steam Pressure            | Kg/cm <sup>2</sup> | 7                | 7         |
| 3   | Volume Capacity of Boiler | Liter              | 480              | 480       |
| 4   | Efficiency on Wood        | %                  | 70               | 70        |
| 5   | Type of Fuel              |                    | Wood/Coal        | Wood/coal |
| 6   | Fuel Consumption          |                    |                  |           |
|     | Wood                      | Kg/hr              | 96               | 120       |
|     | Coal                      | Kg/hr              | 68               | 85        |
| 7   | Electrical Load           |                    |                  |           |
|     | Feed Water Pump           | H.P.               | 3.1              | 3.0       |
|     | I.d. Fan                  | H.P.               | 1.0              | 2.0       |
|     | Total Ele. Load.          | H.P.               | 4.0              | 4.0       |
| 8   | Required Area             |                    |                  |           |
|     | Length                    | M.M.               | 1800             | 2000      |
|     | Width                     | M.M.               | 1300             | 1300      |
|     | Height                    | M.M.               | 1600             | 1700      |



**COMPACT-HX**

## DIESEL/GAS FUEL FIRED SEMI INDUSTRIAL BOILER



**COMPACT-JX**

| No. | DESCRIPTION               | UNIT               | COMPACT-Jx |            |
|-----|---------------------------|--------------------|------------|------------|
| 1   | Capacity ( F&at 100*c)    | Kg/hr              | 400 Kg/hr  | 500 Kg/hr  |
| 2   | Steam Pressure            | Kg/cm <sup>2</sup> | 7          | 7          |
| 3   | Volume Capacity of Boiler | Liter              | 480        | 480        |
| 4   | Efficiency on Wood        | %                  | 85         | 85         |
| 5   | Type of Fuel              |                    | Diesel/Gas | Diesel/Gas |
| 6   | Fuel Consumption          |                    |            |            |
|     | Diesel                    | Kg/hr              | 30.0       | 36.0       |
|     | Gas                       | Kg/hr              | 28.87      | 34.65      |
| 7   | Electrical Load           |                    |            |            |
|     | Feed Water Pump           | H.P.               | 3.0        | 3.0        |
|     | Burner Motor              | H.P.               | 0.5        | 1.0        |
|     | Total Ele. Load.          | H.P.               | 3.5        | 4.0        |
| 8   | Required Area             |                    |            |            |
|     | Length                    | M.M.               | 1900       | 2000       |
|     | Width                     | M.M.               | 1100       | 1200       |
|     | Height                    | M.M.               | 1300       | 1500       |

● GCV for coal is 4500 Kcal/KG ● GCV for Lignite is 3000 Kcal/KG ● GCV for Wood is 3200 Kcal/KG ● GCV for Husk is 2800 Kcal/KG

## **BALKRISHNA BOILERS PVT. LTD.**

Plot No. 78/8, Phase-I, GIDC, Vatva. Opp. Abad Bread,  
Ahmedabad-382445. Gujrat (India).  
Phone : (O) 079 - 25894701 ● Fax : (079) 25894702

● E-mail : [info@balkrishna.com](mailto:info@balkrishna.com) , [office@balkrishna.com](mailto:office@balkrishna.com)  
● URI : [www.balkrishna.com](http://www.balkrishna.com) , [www.indianboilers.com](http://www.indianboilers.com)



Our Dealer Network :-

**Baroda, Pali, Balotra, Jaipur, Jodhpur, Gudgaon, Aurangabad,  
Calcutta, Trichy, Ankleshwer, Rajkot, Hyderabad, Solapur,**

### OUR PRODUCT :

- Wood, Coal, Gas, Oil & Multi fuel Fired
- Steam Boiler
- Thermic fluid Heater
- Hot Air Generator
- Hot Water Boiler
- Air Pollution Control
- Water Treatment
- Power Generation
- Boiler Accessories
- Steam Accessories

Note : In view our constant endeavors to improve of our products, we reserve the right to alter or change specification without prior notice