

# Biase 3Wood Cast Iron Boiler



- Limited life time warranty on boiler block
- Economical to install and operate
- High combustion efficiencies
- Large combustion chamber
- Easy to clean

**QHT**  **BIASI**

The New Style of Warmth

# BIASI... The New Style of Warmth

The **3WOOD** Boilers are hot water generators that operate by combustion of wood or soft Bituminous coal. They feature a high quality and extremely thick ASME GG20, cast-iron body which is protected by high-density insulation that limits heat loss and is jacketed with a platinum enameled steel jacket.

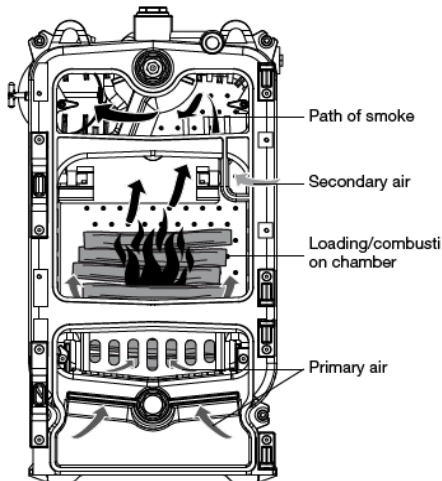
3WOOD's large heat exchange surface and the fins in the secondary combustion chamber ensure very high efficiencies that remain constant over time. The combustion chamber and the loading door are sufficiently large to maximize the burn time to limit the number of times the door needs to be opened for refueling. The secondary air regulator and the flue gas damper are easily adjusted for tending the fire.

For over 70 years BIASI has maintained a reputation for precision pressure castings and quality control that exceeds all national standards. The 3WOOD series is available in four sizes, from 75,000-120,000 BTU/HR. All threads and fittings are designed to be compatible with standard controls and accessories.

*To ensure peace of mind, 3WOOD is approved for installation in the United States and Canada by ETL.*



## Principle of Operation: Technology with 3 Pass:



### 1<sup>st</sup> Pass

The combustion chamber gasses are carried by a special passage in the rear element. In the same area, very hot secondary air is combined with combustion gases which enhance their oxidation.

### 2<sup>nd</sup> Pass

The gases from the rear element are returned in the secondary combustion chamber,

### 3<sup>rd</sup> Pass

The third Pass consists of a wide-finned, self-cleaning zone which directs the smoke towards the flue attachment with adjustment shutter and door cleaning.



Model Number	Output (BTU/HR)	FIREBOX DEPTH	Height (inches)	Width (inches)	Length (inches)	WATER CONTENT (US-GALLONS)	Draft (inch)	Weight (LBS)
3Wood-4	75,000	14"	38"	24"	21"	9	.04	595
3Wood-5	89,000	19"	38"	24"	25"	11	.07	695
3Wood-6	104,000	23"	38"	24"	30"	12	.10	804
3Wood-7	120,000	27"	38"	24"	34"	14	.12	903

### Technical Advantages:

- ASME certified heat exchanger rated at 58 PSI
- Pending ETL Approval for USA and CAN.
- Water cooled grates
- Secondary air to cut emissions
- Ash Tray for easy cleaning

### Safety Features:

- Automatic Draft Regulator
- ASME Rated Pressure Relief Valve
- Hi limit (Over Heat) temperature control
- Anti-Burn levers for loading door.

### WARRANTY:

- Limited Life-Time Boiler Block , 1 Year Parts

Exclusively distributed by:



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