

# BEST ENTERPRISES

(Biomass Energy System Technology Enterprises)

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*New!!*

## RICE HUSK GAS STOVE Continuous-Type

Designed and developed to provide domestic households a low-cost, clean-burning, cook stove that uses rice husks as fuel. Rice husks are gasified inside a bottom-lit downdraft reactor that produces flammable gaseous fuel. With this technology, households now can do cooking in a continuous manner even for a longer period.

### Advantage Features:

- Uses rice husk as fuel
- Produces combustible gases for cooking
- Operation can be done on a continuous mode until all cooking preparation are finished
- Ignition of fuel can be done within a shorter period and almost no smoke during operation
- Operation can be done using AC line or with the use of battery
- Low CO<sub>2</sub> and black carbon emission
- Affordable since the technology is design and fabrication are simplified
- Burnt rice husks can be used as soil conditioner due to its high water holding capacity characteristics
- Safe to operate



| Model                              | 10D              | 12D                | 14D              |
|------------------------------------|------------------|--------------------|------------------|
| Reactor Diameter (m)               | 0.10             | 0.12               | 0.14             |
| Heat Output (kcal/hr)              | 567              | 891                | 1,215            |
| Fuel Requirement (kg/hr)           | 0.63             | 0.99               | 1.35             |
| Ignition Time (min)                | 2                | 4                  | 4                |
| Time to Boil 1 liter of water      | 14               | 10                 | 8                |
| Fan Size                           | 6 cm x 6 cm      | 12 cm x 12         | 12 cm x 12       |
| Fan Input Voltage (Volt)           | 12 DC            | 12 DC/220 AC       | 12 DC/220 AC     |
| Fan Wattage (Watts)                | 3                | 16                 | 16               |
| Overall Dimension<br>L x W x H (m) | 0.4 x 0.4 x 0.75 | 0.45 x 0.45 x 0.75 | 0.5 x 0.5 x 0.75 |

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