



# INFINITE ENERGY Pvt. Ltd.

1st November 2018

## INFINITE UG Series Gasifier Model List

(Suitable Biomass : Rice Husk/ Wood Chips / Pellets/Cconut shell/ Pea Nut Shell )

All prices In INR

| Model   |                           | Universal Gasifier Series |         |         |         |         |         |         |           |  |  |
|---|---------------------------|---------------------------|---------|---------|---------|---------|---------|---------|-----------|--|--|
| Gasifier Model  |                           | UG 50                     | UG 100  | UG 150  | UG 200  | UG 300  | UG350   | UG 400  | UGG 600*  |  |  |
| Gasifier O/p Capacity<br>(THERMAL Mode)                                     | Kcal/h                    | 64,500                    | 129,000 | 215,000 | 315,000 | 515,000 | 645,000 | 860,000 | 17,20,000 |  |  |
|   | KWth                      | 75                        | 150     | 250     | 360     | 600     | 750     | 1000    | 2000      |  |  |
| Diesel Oil Replacement<br>(Thermal Application)                             | Ltr                       | 5                         | 12      | 21      | 32      | 52      | 65      | 85      | 170       |  |  |
| Gasifier O/p Capacity<br>(POWER - 100% Gas Mode)                            | kWe<br>(100%)             | 6                         | 12      | 30      | 50      | 80      | 120     | 200     | 400       |  |  |
| Gasifier O/p Capacity<br>(POWER- Dual Fuel Mode<br>{Diesel + Producer Gas ) | KW <sub>e</sub><br>(Dual) | 18                        | 32      | 50      | 85      | 150     | 220     | 325     | 700       |  |  |
| Pellets Consumption   | Kg/h                      | 14                        | 30      | 50      | 75      | 120     | 150     | 200     | 400       |  |  |
| Wood Chips Consumption  | Kg/h                      | 20                        | 45      | 75      | 115     | 175     | 225     | 300     | 600       |  |  |
| Rice Husk consumption -<br>Max (20% moisture)#                              | Kg/h                      | 30                        | 75      | 100     | 150     | 225     | 300     | 400     | 700       |  |  |
| Gas Produced (Max) Approx.  | nm <sup>3</sup> /h        | 50                        | 115     | 185     | 285     | 425     | 575     | 750     | 1500      |  |  |
| Parasitic Load  | HP                        | 2                         | 5       | 7.5     | 12.5    | 17.5    | 22      | 30      | 50        |  |  |
| Actual Consumption  | kWe                       | 1.4                       | 2.7     | 4       | 6.5     | 9       | 9       | 14      | 25        |  |  |
| Biomass Feeding & Ash<br>Removal From Reactor                               | -                         |                           |         |         |         |         |         |         |           |  |  |

Automated

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|                     |                               |   |
|---------------------|-------------------------------|---|
| Gas Cleaning System | As per requirement (Optional) | Dry Dust Collection (Cyclonic & Packed Bed Filter) , Biomass Filter, Fabric Filter, Fine Filters, Water Scrubbing & Chiller |
| Gas Temperature     | °C                            | < 50 Deg C  |

# Biomass Consumption based on 12% moisture, \* Fuel : Rice Husk/ Wood Chips/Pellets , Coconut Shell , Ground Nut Shell Only ,

\* Prices are inclusive of Suitable Dry Filter, Fine Filters ,Chiller etc for Ultra Gas Cleaning , Cooling

For Clean Gas Mode / Power Mode : Fully Automated Fuel Feeding System, Automated Ash Removal System ,

All prices are valid for 60 days Only

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