

# VIPP™ Technical specification

|                                 |                                 |
|---------------------------------|---------------------------------|
| Gasifier type                   | Entrained flow cyclone          |
| Oxidant                         | Air                             |
| Electrical output               | 1200 kW                         |
| Thermal output                  | 2400 kW                         |
| Fuel consumption (wood)         | 960 kg/ h                       |
| Electrical efficiency           | 26-29%                          |
| Total efficiency                | > 80%                           |
| Gas delivery pressure           | 300 mBar                        |
| Gasifier temperature            | 900 °C                          |
| Gas temperature prior to engine | 55 °C                           |
| Dry gas LHV prior to CHP        | 6,0- 6,5 MJ/ NM <sup>3</sup>    |
| Biomass moisture level          | Max 12%                         |
| Biomass feedstock size          | dP< 1 mm                        |
| Lambda value                    | 0,22-0,3                        |
| Layout footprint (excl genset ) | 12m x 12m                       |
| Annual operation                | > 8000 h                        |
| CHP engine type                 | Turbo charged, lean burn        |
| Remote supervision              | Possible via Scada and internet |

