

**P.O.Box 130571
20105 Hamburg/Germany**

**Tel. +49 40 33441944
Fax +49 40 33441945**

**www.lohrmann.com
info@lohrmann.com**

| | |
|------------------|--|
| For Sale: | Pre-owned 5 MW Biomass (Waste Wood) & RDF fired Power Plant |
| Ref.-No: | PS-18.96 |

Brief plant description:

This 5 MW biomass power plant has been commissioned in 1999 and is still in operation. It converts biomass into electricity and heat (district heating). The plant is based on two independent combustion lines, incl. two boiler units delivering steam to a common header. From the common header, the steam is delivered to a condensing steam turbine. Thanks to the plant design (e.g., de-SOx and de-NOx modules) the plant can use treated waste wood or RDF (Refuse-Derived Fuel) as fuel. Due to economic reasons (i.e., low energy tariffs, increased wood prices and reduced demand for district heating) the plant is available for sale and relocation. It has been professionally maintained and is in excellent condition.

Description of major plant components:

Boiler/firing – two lines (European manufacturer)

| | |
|-------------------------|--|
| Firing type | grate with start-up burner (light oil) |
| Boiler steam parameters | 45 bar, 420°C, 25 t/h (2 x 12.5 t/h) |
| Fuel | Common wood chips, bark, trimmings, waste wood from class A1 (natural/untreated wood, e.g., Euro pallets) to class A4 (treated wood, e.g., railroad sleepers and charred wood from fires), RDF |
| Wood chips size | up to approx. 150 mm |
| Fuel consumption | approx. 50,000 t/year |
| Flue gas cleaning | de-SOx module, de-NOx module, de-dusting |

Steam turbine (European manufacturer)

| | |
|----------------|--|
| Type | condensing with extraction (2.4 bar, 0 - 20 t/h) |
| Nominal rating | 5 MWeI |

Generator (European manufacturer)

| | |
|------------|--------------------------|
| Parameters | 6.250 kVA, 6.3 kV, 50 Hz |
|------------|--------------------------|

Condenser (European manufacturer)

| | |
|------|--|
| Type | ACC (Air Cooled Condense) with two ventilators |
|------|--|

Price: on request



Further information on request

Important Disclaimer

Although the statements and technical information contained herein are believed to be materially accurate as of the date hereof, no representation or warranty is given as to the accuracy of any of the information provided. This document contains confidential information intended only for the use of the addressee. If you are not the intended recipient of this information then you are hereby notified that any use, dissemination, distribution or reproduction of this message is prohibited.