

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 686 kW_{el}
Biomass Power Plant**

Ref.-Nr:

PS-18.81

Brief plant history:

The biomass power plant was constructed in 2008 in order to produce „green“ electric power and heat for a pellet plant. The plant was shut down in 2011. All equipment (German manufacturers) is in very good condition. The plant has been dismantled in June 2014 and properly stored. It is available for immediate sale and relocation.

Description of major plant components:

Combustion plant

Type	Reciprocating grate with post combustion chamber
Thermal capacity	16.6 MW
Fuel	Wood chips (not contaminated), bark, timber from thinning
Manufacturing year	2008

Steam boiler

Type	Vertical fire tube/smoke tube boiler
Max. thermal capacity	17 MW
Design pressure	10 bar
Manufacturing year	1986

Steam engine/generator

Type	Steam piston engine (6 pistons) with generator
Nominal power output	686 kW _{el} (at 9 bar inlet, 2 bar outlet and 21 t/h steam) Note: only 3 out of 6 cylinders were in operation. In the future all 6 cylinders could be operated.
Manufacturing year	2006

Process heat exchanger

Type	Vertical shell/tube heat exchanger (steam/water)
Thermal capacity	10.5 MW
Manufacturing year	2006

Stack (H = 40 m)

Manufacturing year	2008
--------------------	------

Water treatment

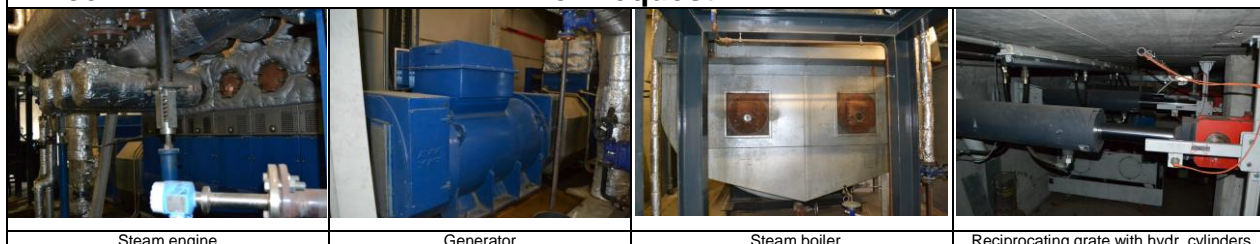
Manufacturing year	2007
--------------------	------

Emission values (Reference: dry 11% O₂)

CO	150 mg/Nm ³
NO _x	250 mg/Nm ³
C _{org.}	10 mg/Nm ³

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.