

BERTSCHenergy

Power Plants
Process Equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Biomass Thermal Power Plant Gascogne

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925.

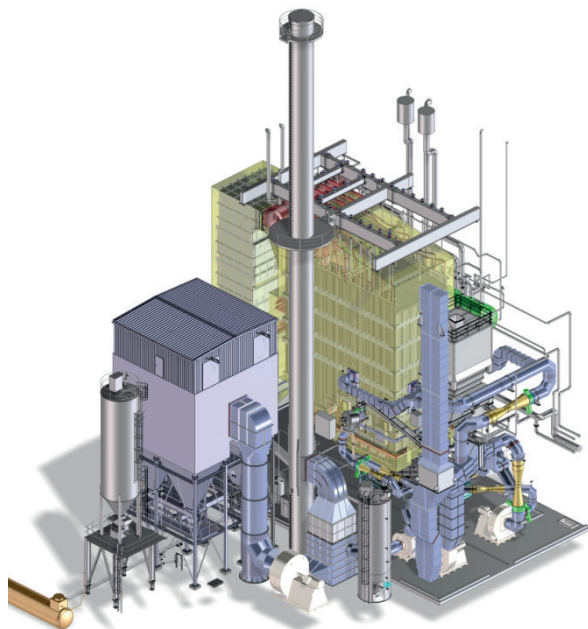
» Wood-fired thermal power plant with bubbling fluidised bed technology«

The BFB boiler is mainly fired with residues from paper production. This is the bark from the debarking equipment and the rootstocks (with high sand content) which are also removed from the soil.

The biomass boiler is acting as control boiler for the complete production site. The HP steam is expanded by a back-pressure steam turbine and is then directed to the paper production process.

Any fluctuation on the steam demand (e.g. paper break) is directly balanced by the biomass boiler which experiences short-term load change rates up to 10% per minute without steam ventilation to the atmosphere.

Beside the high load change rate, the boiler is further designed for a high load range reaching from 28% to 115%. This way nearly every steam demand on site can be met.



TECHNICAL DATA

» Thermal power nominal	60 MW
» Steam flow (MCR)	80 t/h
» Steam pressure	65 bar (a)
» Steam temperature	450° C
» Fuel	bark, thinning material, logging residues, rootstocks

SCOPE OF SUPPLY

» Fuel dosing system
» Bubbling fluidised bed incl. all blowers
» Flue gas treatment
» Daily buffer silo for fuel incl. dosing system
» Ash removal system incl. silo
» Feed water system with feed water tank and deaerator
» HP steam line to pipe bridge
» Piping of / to site boundaries
» Steel structure for boiler and platforms
» Boiler house
» Operation and control system

