

BERTSCHenergy

Power plants
Process equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

DS Smith Paper Aschaffenburg

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

»HRSG (Heat Recovery Steam Generator) downstream a SGT-700 (30 MWe) gas turbine – Commissioning 1st quarter 2012«

The plant provides power to a paper mill and is auxilarily heated up to 40 MWe under normal operation. Steam production is adapted according to the high load change rate during start-up and shut-down of the paper machine, and high live steam temperature is assured for even the lowest load ranges. The automatic collateralization of steam production during GT-Trip or standstill is a further function.

It is a fully independent direct fired installation, driven by natural gas and bio gas, which alternatively can be run by the flue gas of a Gas Turbine as well.

TECHNICAL DATA

» Steam flow (MCR)	100 t/h
» S.H. steam pressure	120 bar
» S.H. steam temperature	525 °C
» District heating	1.3 MW
» Flue gas flow	85 kg/s
» GT outlet temperature	535 °C
» Additional firing	40 MW
» Fresh air firing	91 MW
» Fuel	natural gas, biogas

SCOPE OF SUPPLY

» Boiler incl. stack
» Feed water system
» Field devices, firing control incl. cabling work
» Pipe work inside the boiler house
» Boiler house, GT-building
» Heating and ventilation

