

BERTSCHenergy

Power plants
Process equipment

90
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

KVA Bern Forsthaus – Combined Cycle

Reference Sheet



BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

»HRSG (Heat Recovery Steam Generator) downstream a Siemens SGT-800 (47 MW_{el}) gas turbine - Commissioning 4th quarter 2012«

This Combined – Cycle is part of the newly built “Forsthaus West“ power station in Bern, Switzerland, which further includes the waste incineration plant and a biomass power plant (also built by BERTSCHenergy).

The HRSG feeds the mutual steam turbine together with the biomass boiler and its main task is to cover peak loads and supply guarantee.

In order to ensure the required feed steam temperature at all possible load conditions, the boiler is equipped with an additional firing.



TECHNICAL DATA

MCR (HP)	70 t/h
MCR (LP)	10 t/h
Steam pressure (HP)	60 bar
Steam pressure (LP)	3.6 bar
Steam temperature (HP)	485 °C
Steam temperature (LP)	150 °C

SCOPE OF SUPPLY

Boiler
Steel structure
Support structure for gas turbine air intake filters
Pipe work inside the boiler house
Control system legwork

