

# BERTSCHenergy

Power plants  
Process equipment

95  
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<sub>el</sub>) gas turbine - Commissioning 4<sup>th</sup> 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

Steam flow MCR (HP)	70 t/h
Steam flow 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

