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**DEALERS & IMPORTERS OF POWER PLANTS & ALLIED MACHINERY**

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## **56 TONNE / HOUR COAL FUELLED BOILER**

Year of Manufacture : 1985  
Year Retired : 2006  
Service Hours : ~ 40,000  
Condition : Excellent  
Status : Dismantled and stored, ready to ship

Note: By enhancement of the economiser, and addition of an air pre-heater, this boiler will produce 66 t/h, with an efficiency of 89.5%.

### **BOILER :**

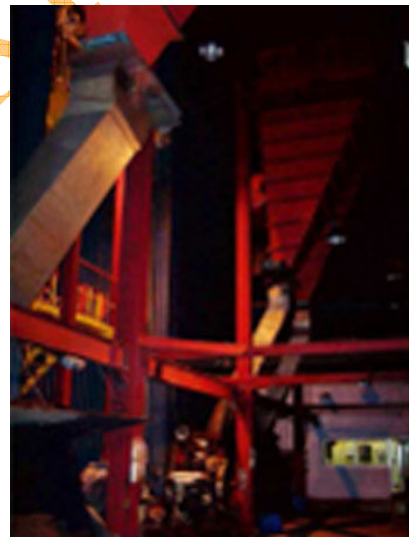
Manufacturer : Volund Energisystemer A/S, Denmark  
Type : Natural circulation steam boiler, with travelling grate  
Design Code : TRD Rules Series 300  
Approving Authority : Dansk Arbejdstilsyn  
Construction : Bottom, corner supported  
Fuel : Middle Volatile Bituminous Coal  
Fuel Consumption : 2.23 kg/s  
Output : 56 tonnes / hour  
Operating Pressure : 60 bar abs  
Operating Temperature : 460 C  
Guaranteed Efficiency : 75% (calculated 75.6%)  
Design Pressure : 70.7 bar abs  
Test Pressure : 91.9 bar abs

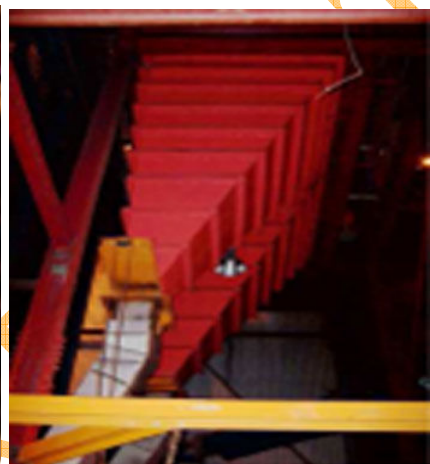
### **Heating Surfaces:**

Furnace : 389 m<sup>2</sup>  
Screens : 20 m<sup>2</sup>  
Side Walls (Radiation & Convection areas) : 209 m<sup>2</sup>  
Superheater 1 : 282 m<sup>2</sup>  
Superheater 2 : 106 m<sup>2</sup>  
Economiser : 247 m<sup>2</sup>  
Evaporator : 109 m<sup>2</sup>  
Total Heating Surface : 1,362 m<sup>2</sup> (effective area)  
Flue Gas Temperature (at MCR) : 389 C  
Flue Gas Flow (at MCR) : 75,180 Nm<sup>3</sup>/h  
Flue Gas Velocity in Furnace : 2.8 m/s

The Boiler is currently dismantled & stored, ready for shipment in **Europe**. The manufacturer has indicated that by increasing the economiser, and adding an air pre-heater (both relatively economical upgrades), the boiler will produce about 66 t/h, with an efficiency of 89.5%.

#### PRODUCT IMAGES :





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