



TEST Reg. No. 300



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

## DANISH TECHNOLOGICAL INSTITUTE

Accredited test institution, DANAK accreditation no. 300

Teknologiparken  
Kongsvang Allé 29  
DK-8000 Aarhus C  
Phone +45 72 20 10 00  
Fax +45 72 20 10 19

[Info@dti.dk](mailto:Info@dti.dk)

[www.dti.dk](http://www.dti.dk)

# TEST CERTIFICATE

Extract of report no. 300-ELAB-1560

**Product:** Central heating boiler  
**Manufacturer:** Ekopower ApS  
**Model:** EkoHeat 2500 / BioClass 25  
**Requested by:** Ekopower ApS, Rømvænget 163, DK-5500 Middelfart

**Procedure:**

X	Test according to EN 303-5 with requirements according to Class 3
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## TEST RESULTS


**Combustion principle:** Automatic      **Fuel:** Biomass

Testing is carried out with wood pellets, and the following results were achieved:

**Nominal output:** 24.9 kW  
**CO at 10% O<sub>2</sub>:** 140 mg/m<sub>n</sub><sup>3</sup> (max. 3000 mg/m<sub>n</sub><sup>3</sup> )  
**OGC at 10% O<sub>2</sub>:** 6 mg/m<sub>n</sub><sup>3</sup> (max. 150 mg/m<sub>n</sub><sup>3</sup> )  
**Dust at 10% O<sub>2</sub>:** 18 mg/m<sub>n</sub><sup>3</sup> (max. 150 mg/m<sub>n</sub><sup>3</sup> )  
**Efficiency:** 93.1 % (min. 74 % iht. BR)

**Lowest output:** 6.1 kW  
**CO at 10% O<sub>2</sub>:** 83 mg/m<sub>n</sub><sup>3</sup> (max. 3000 mg/m<sub>n</sub><sup>3</sup> )  
**OGC at 10% O<sub>2</sub>:** 6 mg/m<sub>n</sub><sup>3</sup> (max. 150 mg/m<sub>n</sub><sup>3</sup> )  
**Efficiency:** 91.2 %

Please note that the stated values constitute an extract of the rest report. For further information, please refer to the test report, see number above.

Aarhus, 31 July 2012  Anette S. Brønnum M.Sc.	Chimney sweeper's signature
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On the basis of the above-mentioned particle emissions it is hereby certified that the heating boiler unit complies with the emission requirements of appendix 1 for Declaration No. 1432 of 11 December 2007 regarding regulation of air contamination from stoves and boilers and some other fixed installations for energy production purposes.