

# TEST CERTIFICATE

Extract of report no.: 300-ELAB-2179

**Manufacturer:** NBE Production A/S  
Kjeldgaardsvej 2, 9300 Sæby  
CVR nr. 34890323

P nr. 1018144723

**Product:** Biofuel boiler



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

**Model:** RTB 50

**Procedure:** Testing according to EN 303-5:2012

**Requirements:** Commission regulation (EU) No. 2015/1189, Annex II, Article 1

**Stoking princ.:** Automatic **Fuel:** Biomass

Testing has been carried out with wood pellets (C1) with the following results:

## TEST RESULTS

Measurement	Unit	Result	Limits
Nominal heat output	kW	47	
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	271	
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	16	
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	17	
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	276	
Efficiency	%	93,6	
Minimum heat output	kW	13,6	
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	25	
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	7	
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	29	
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	174	
Efficiency	%	94,6	
Seasonal emissions			
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	62	500
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	8	20
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	27	40
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	189	200
Seasonal space heating energy efficiency			
η <sub>s</sub>	%	82,7	77
η <sub>son</sub>	%	87,3	
F1	%	3,0	
F2	%	1,6	

Please note that the stated values are an extract from the test report. For further information please refer to the test report.

Aarhus, 17. January 2018

Anders Pødenphant  
B. Sc.

This certificate has been conducted and calculated on the basis of an accredited test report performed by the test institute under the accreditation of DANAK member of EA and ILAC.

ED Certificate 300-ELAB-2179