

# ECODESIGN TEST CERTIFICATE

Extract of report no.: 300-ELAB-2467

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

P nr. 1018144723

**Product:** Biofuel boiler



**DANISH  
TECHNOLOGICAL  
INSTITUTE**

Teknologiparken  
Kongsvang Allé 29  
DK-8000 Aarhus C  
Phone +45 72 20 10 00  
Fax +45 72 20 10 19  
Info@teknologisk.dk

**Model:** BS1016

**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	13,4	
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	83	
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	< 6	
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	27	
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	146	
Efficiency	%	93,2	
Minimum heat output	kW	3,6	
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	275	
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	9	
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	43	
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	119	
Efficiency	%	90,0	
Seasonal emissions			
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	247	500
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	9	20
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	40	40
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	123	200
Seasonal space heating energy efficiency			
η <sub>s</sub>	%	79	75
η <sub>son</sub>	%	83,7	
F1	%	3,0	
F2	%	1,7	

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

Aarhus, 30. April 2020

Anders Pødenphant  
B. Sc.