

# ECODESIGN TEST CERTIFICATE

Extract of report no.: 300-ELAB-2147

**Manufacturer:** CN MASKINFABRIK A/S  
Skovløkkevej 4, 6510 Gram  
CVR nr. 15101733

P nr. 1000860133

**Product:** Biofuel boiler



**DANISH  
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**Model:** CN80

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

**Requirements:**

**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	80	
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	70	
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>	24	
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	178	
Efficiency	%	89.9	
Minimum heat output	kW	24	
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	32	
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>	32	
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	150	
Efficiency	%	89.7	
Seasonal emissions			
CO at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	38	500
OGC at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	< 6	20
Dust at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	31	40
NO <sub>x</sub> at 10% O <sub>2</sub>	mg/m <sub>n</sub> <sup>3</sup>	154	200
Seasonal space heating energy efficiency			
η <sub>s</sub>	%	79	77
η <sub>son</sub>	%	82.8	
F1	%	3.0	
F2	%	1.1	

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