

ECODESIGN TEST CERTIFICATE

Extract of report no.: 300-ELAB-2099

Manufacturer: Twin Heat A/S
Nørrevangen 7, 9631 Gedsted
CVR nr. 27549012

P nr. 1008156138

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: M40i

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	50	
CO at 10% O ₂	mg/m _n ³	156	
OGC at 10% O ₂	mg/m _n ³	< 6	
Dust at 10% O ₂	mg/m _n ³	21	
NO _x at 10% O ₂	mg/m _n ³	115	
Efficiency	%	93.0	
Minimum heat output	kW	13.8	
CO at 10% O ₂	mg/m _n ³	314	
OGC at 10% O ₂	mg/m _n ³	11	
Dust at 10% O ₂	mg/m _n ³	13	
NO _x at 10% O ₂	mg/m _n ³	127	
Efficiency	%	91.1	
Seasonal emissions			
CO at 10% O ₂	mg/m _n ³	290	500
OGC at 10% O ₂	mg/m _n ³	10	20
Dust at 10% O ₂	mg/m _n ³	14	40
NO _x at 10% O ₂	mg/m _n ³	125	200
Seasonal space heating energy efficiency			
η _s	%	80	77
η _{son}	%	84.3	
F1	%	3.0	
F2	%	0.9	

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

Aarhus, 23. September 2020

Torben Nørgaard Jensen
B. Sc.