

ECODESIGN TEST CERTIFICATE

Extract of report no.: 300-ELAB-1179/2038

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

P nr. 1008156138

Product: Biofuel boiler



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Model: CS150i

Procedure: Testing according to EN 303-5:1999 and 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	180	
CO at 10% O ₂	mg/m _n ³	48	
OGC at 10% O ₂	mg/m _n ³	< 6	
Dust at 10% O ₂	mg/m _n ³	20	
NO _x at 10% O ₂	mg/m _n ³	112	
Efficiency	%	91.9	
Minimum heat output	kW	53	
CO at 10% O ₂	mg/m _n ³	305	
OGC at 10% O ₂	mg/m _n ³	< 6	
Dust at 10% O ₂	mg/m _n ³	25	
NO _x at 10% O ₂	mg/m _n ³	69	
Efficiency	%	90.5	
Seasonal emissions			
CO at 10% O ₂	mg/m _n ³	266	500
OGC at 10% O ₂	mg/m _n ³	< 6	20
Dust at 10% O ₂	mg/m _n ³	24	40
NO _x at 10% O ₂	mg/m _n ³	76	200
Seasonal space heating energy efficiency			
η _s	%	80	77
η _{son}	%	83.9	
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

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