

ECODESIGN TEST CERTIFICATE



Klimafreundlich
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Extract of report no.: H-A 1368-03/21

Manufacturer: HDG Bavaria GmbH
Siemensstraße 22
84323 Massing

Product: Wood chip boiler

Model: HDG Compact 30

Procedure: Testing according to EN 303-5:2012

Stoking princ.: Automatic

Fuel: Biomass

Testing has been carried out with wood chips (B1) with the following results:

TEST RESULTS

Measurement	Unit	Result	Limit
Nominal heat output	kW	30,0	
CO at 10% O ₂	mg/m ³	15	
OGC at 10% O ₂	mg/m ³	0	
Dust at 10% O ₂	mg/m ³	7	
NO _x at 10% O ₂	mg/m ³	103	
Efficiency	%	94,5	
Minimum heat output	kW	9,0	
CO at 10% O ₂	mg/m ³	221	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	15	
NO _x at 10% O ₂	mg/m ³	80	
Efficiency	%	92,8	
Seasonal emissions			
CO at 10% O ₂	mg/m ³	83	500
OGC at 10% O ₂	mg/m ³	1	20
Dust at 10% O ₂	mg/m ³	14	40
NO _x at 10% O ₂	mg/m ³	190	200
Seasonal space heating energy efficiency			
η_s	%	81	77
η_{son}	%	84,5	
F1	%	3,0	
F2	%	2,39	

Massing, 26.04.2022

i. V. Florian Mittermeier
Product manager

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Extract of report no.: H-A 1368-03/21

Manufacturer: HDG Bavaria GmbH
Siemensstraße 22
84323 Massing

Product: Wood chip boiler

Model: HDG Compact 40

Procedure: Testing according to EN 303-5:2012

Stoking princ.: Automatic

Fuel: Biomass

Testing has been carried out with wood chips (B1) with the following results:

TEST RESULTS

Measurement	Unit	Result	Limit
Nominal heat output	kW	40,0	
CO at 10% O ₂	mg/m ³	9	
OGC at 10% O ₂	mg/m ³	0	
Dust at 10% O ₂	mg/m ³	9	
NO _x at 10% O ₂	mg/m ³	115	
Efficiency	%	94,0	
Minimum heat output	kW	12,0	
CO at 10% O ₂	mg/m ³	154	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	13	
NO _x at 10% O ₂	mg/m ³	83	
Efficiency	%	93,5	
Seasonal emissions			
CO at 10% O ₂	mg/m ³	88	500
OGC at 10% O ₂	mg/m ³	1	20
Dust at 10% O ₂	mg/m ³	12	40
NO _x at 10% O ₂	mg/m ³	132	200
Seasonal space heating energy efficiency			
η_s	%	82	77
η_{son}	%	85,0	
F1	%	3,0	
F2	%	1,95	

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Extract of report no.: H-A 1368-03/21

Manufacturer: HDG Bavaria GmbH
Siemensstraße 22
84323 Massing

Product: Wood chip boiler

Model: HDG Compact 50

Procedure: Testing according to EN 303-5:2012

Stoking princ.: Automatic

Fuel: Biomass

Testing has been carried out with wood chips (B1) with the following results:

TEST RESULTS

Measurement	Unit	Result	Limit
Nominal heat output			
Nominal heat output	kW	50,0	
CO at 10% O ₂	mg/m ³	4	
OGC at 10% O ₂	mg/m ³	0	
Dust at 10% O ₂	mg/m ³	11	
NO _x at 10% O ₂	mg/m ³	128	
Efficiency	%	93,4	
Minimum heat output			
Minimum heat output	kW	15,0	
CO at 10% O ₂	mg/m ³	87	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	11	
NO _x at 10% O ₂	mg/m ³	87	
Efficiency	%	94,1	
Seasonal emissions			
CO at 10% O ₂	mg/m ³	93	500
OGC at 10% O ₂	mg/m ³	1	20
Dust at 10% O ₂	mg/m ³	11	40
NO _x at 10% O ₂	mg/m ³	75	200
Seasonal space heating energy efficiency			
η_s	%	83	77
η_{son}	%	85,3	
F1	%	3,0	
F2	%	1,67	

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Extract of report no.: H-A 1368-03/21

Manufacturer: HDG Bavaria GmbH
Siemensstraße 22
84323 Massing

Product: Wood chip boiler

Model: HDG Compact 65

Procedure: Testing according to EN 303-5:2012

Stoking princ.: Automatic

Fuel: Biomass

Testing has been carried out with wood chips (B1) with the following results:

TEST RESULTS

Measurement	Unit	Result	Limit
Nominal heat output			
Nominal heat output	kW	65,0	
CO at 10% O ₂	mg/m ³	13	
OGC at 10% O ₂	mg/m ³	0	
Dust at 10% O ₂	mg/m ³	14	
NO _x at 10% O ₂	mg/m ³	131	
Efficiency	%	93,3	
Minimum heat output			
Minimum heat output	kW	19,5	
CO at 10% O ₂	mg/m ³	102	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	14	
NO _x at 10% O ₂	mg/m ³	97	
Efficiency	%	93,7	
Seasonal emissions			
CO at 10% O ₂	mg/m ³	102	500
OGC at 10% O ₂	mg/m ³	1	20
Dust at 10% O ₂	mg/m ³	14	40
NO _x at 10% O ₂	mg/m ³	89	200
Seasonal space heating energy efficiency			
η_s	%	82	77
η_{son}	%	84,7	
F1	%	3,0	
F2	%	1,31	

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Extract of report no.: H-A 1368-03/21

Manufacturer: HDG Bavaria GmbH
Siemensstraße 22
84323 Massing

Product: Wood chip boiler

Model: HDG Compact 80

Procedure: Testing according to EN 303-5:2012

Stoking princ.: Automatic

Fuel: Biomass

Testing has been carried out with wood chips (B1) with the following results:

TEST RESULTS

Measurement	Unit	Result	Limit
Nominal heat output	kW	80,0	
CO at 10% O ₂	mg/m ³	23	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	16	
NO _x at 10% O ₂	mg/m ³	135	
Efficiency	%	93,1	
Minimum heat output	kW	24,0	
CO at 10% O ₂	mg/m ³	118	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	17	
NO _x at 10% O ₂	mg/m ³	107	
Efficiency	%	93,3	
Seasonal emissions			
CO at 10% O ₂	mg/m ³	111	500
OGC at 10% O ₂	mg/m ³	1	20
Dust at 10% O ₂	mg/m ³	17	40
NO _x at 10% O ₂	mg/m ³	104	200
Seasonal space heating energy efficiency			
η_s	%	81	77
η_{son}	%	85,0	
F1	%	3,0	
F2	%	1,12	

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Extract of report no.: H-A 1368-03/21

Manufacturer: HDG Bavaria GmbH
Siemensstraße 22
84323 Massing

Product: Wood chip boiler

Model: HDG Compact 95

Procedure: Testing according to EN 303-5:2012

Stoking princ.: Automatic

Fuel: Biomass

Testing has been carried out with wood chips (B1) with the following results:

TEST RESULTS

Measurement	Unit	Result	Limit
Nominal heat output	kW	95,0	
CO at 10% O ₂	mg/m ³	32	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	19	
NO _x at 10% O ₂	mg/m ³	138	
Efficiency	%	93,0	
Minimum heat output	kW	28,5	
CO at 10% O ₂	mg/m ³	133	
OGC at 10% O ₂	mg/m ³	1	
Dust at 10% O ₂	mg/m ³	20	
NO _x at 10% O ₂	mg/m ³	117	
Efficiency	%	92,9	
Seasonal emissions			
CO at 10% O ₂	mg/m ³	111	500
OGC at 10% O ₂	mg/m ³	1	20
Dust at 10% O ₂	mg/m ³	17	40
NO _x at 10% O ₂	mg/m ³	104	200
Seasonal space heating energy efficiency			
η _s	%	82	77
η _{son}	%	84,4	
F1	%	3,0	
F2	%	0,98	

Massing, 26.04.2022

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