



TEST Reg.nr. 300



**TEKNOLOGISK
INSTITUT**

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

TEKNOLOGISK INSTITUT

Akkrediteret prøvningsorgan, DANAK-akkreditering nr. 300
Notificeret prøvningsorgan med ID-nr. 1235

Prøvningsattest II

Uddrag af rapport nr. 300-ELAB-1770-EN og 300-ELAB-1770-NS

Emne: Brændeovne; Elegance Junior og Elegance Junior Wall

Rekvirent: Jydepejsen A/S

Ahornsvinget 3-7, 7500 Holstebro

CVR nr.: 88387716 P-nr.: 1002792475

Procedure:

X	Prøvning efter DS/EN13240/A2:2004
X	Prøvning efter NS3058-1 & -2 (partikelmåling)
X	Emissionsmåling efter CEN/TS 15883 (støv og OGC)

Prøvningsresultater

Akkrediteret prøvning af brændeovn iht. EN 13240 er foretaget med brænde der påfyres manuelt, og følgende resultater blev opnået:

Nominel ydelse: 4,1 kW
CO-emission: 0,09 % - henført til 13 % O₂
Virkningsgrad: 76 %
Røggastemperatur: 261 °C
Afstand til bagvæg: - Se vejledning
Afstand til sidevæg: - Se vejledning

Emissioner iht. NS 3058 og/eller CEN/TS 15883:

Partikler efter NS 3058: 2,05 g/kg (tørstof) middelværdi (krav 2015:5 / 2017:4)
Partikler efter NS 3058: 3,05 g/kg (tørstof) maksimalt (krav 2015:10 / 2017:8)
OGC efter CEN/TS 15883: 79 mgC/Nm³ ved 13% O₂ (krav 2015:150 / 2017:120)
Støv efter CEN/TS 15883: 8 mg/Nm³ ved 13% O₂ (krav 2015:40 / 2017:30)

Bemærk venligst, at de oplyste værdier er et uddrag af prøvningsrapporten.
For yderligere oplysninger henvises til prøvningsrapporten, se nummer ovenfor.

Aarhus, den 28. maj 2015 Kim Sig Andersen Konsulent	Skorstensfejerpåtegning
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På baggrund af ovennævnte emissioner attesteres det hermed, at fyringsanlægget opfylder emissionskravene i bilag 1 til Bekendtgørelse nr. 46 af 22/01-2015 om regulering af luftforurening fra fyringsanlæg til fast brændsel under 1 MW, for så vidt:

Krav fra 2015 til januar 2017 opfyldt:	X	Krav efter januar 2017 opfyldt:	X
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DK-8000 Aarhus C
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Fax: +45 72 20 10 19
info@teknologisk.dk

TEST REPORT

Date: 2014.02.13

Report No.: 300-ELAB-1770-EN rev. 1 Page 1 of 8

Initials: KMSA/MRI

Order No.: 504365

No. of appendices: 2

Rekvirent: Contact person: Benny Jensen
Company: Jydepejsen A/S
Address: Ahornsvinget 3-7
Town: DK-7500 Holstebro Country: Denmark
Tel.: +45 96101200 Email: bj@jydepejsen.dk

Product: Solid fuel stove Type: Elegance Junior Test fuel: Wood
Manufacturing site I: Kipech Production Hotel s.r.o.
Address I: Volgogradská 13B, P.O. Box 158
Manufacturing site II: Kipech Production Hotel s.r.o. / Kipech Mounting s.r.o.
Address II: Jilemnického 3
Postcode/town: 080 01 Presov Country: Slovakia

Test frame: Date of receipt: 2012.10.08
Date of testing: 2012.10.08-- 2012.11.01

Procedure: Testing of a solid fuel stove in accordance with DS/EN 13240:2001 and DS/EN 13240:2001/A2:2004. Emission measurements in accordance with DS/CEN/TS 15883. The uncertainty of the measurements meets the requirements of DS/EN 13240 paragraph A3 and DIN Plus requirement.

Result: The stove meets the requirements of paragraph 4, 5, 6, 7 and 8.

Remarks: See paragraph 2.
This is a translation of the Danish test report dated 2013.01.24. In case of ambiguity, the Danish version of the test report prevails.

Terms: Accredited testing was carried out in compliance with the current guidelines laid down by DANAK (Danish Laboratory Accreditation Scheme), cf. www.danak.dk, and in compliance with Danish Technological Institute's General Terms and Conditions Regarding Commissioned Work Accepted by Danish Technological Institute, February 2009. The test results apply to the tested products only. This test report may be reproduced in extract only if the Laboratory has approved the extract in writing. Danish Technological Institute is Notified Body with identification number 1235 and DIN Certco test laboratory, PL 168.

Place: Danish Technological Institute, Energy Laboratory

Signature: 
Jes Sig Andersen
Product Manager



5. Test results

5.1. Nominal test in accordance with A.4.7 with wood as test fuel

Parameter	Value			Requirements	Unit
	1st charge	2nd charge	3rd charge		
No. of wood logs per charge	3	3	3	-	pcs.
Weight per charge	1.22	1.22	1.22	-	kg
Fuel moisture (wet matter)	18	18	18	16 ± 4	%
Lower calorific value	14.55	14.55	14.55	-	MJ/kg
Test duration	0.79	0.79	0.79	Min. 0.75 h (one charge)	h
Fuel consumption per hour	1.54	1.56	1.54	-	kg/h
Mean ambient temperature	23	24	24	-	°C
Flue gas temp. at 20 °C ambient temp.	259	261	263	-	°C
CO ₂ , mean value	7.9	7.8	8.1	-	%
CO, mean value	0.10	0.10	0.09	-	%
THC, mean value	165	161	123	-	ppm
Dust at 13 % O ₂	11	6	5	-	mg/m ³ _n
Flue draught, mean value	12	12	12	12 ± 2	Pa
Mean values calculated based on 1st and 3rd charge					
Flue gas temperature at 20 °C ambient temperature	261			-	
Flue gas mass flow	5.3			-	g/sec.
Efficiency	76			≥50	%
Nominal heat output, ambient (measured)	4.7			-	kW
CO ₂ , mean value	8,0			-	%
CO at 13 % O ₂	0.089			≤1.0	%
OGC at 13 % O ₂ (carbon equivalents)	79			-	mg/m ³ _n
NOx at 13 % O ₂ (NO ₂ equivalents)	115			-	mg/m ³ _n
Dust at 13 % O ₂	8			-	mg/m ³ _n
Declared by the manufacturer					
Nominal output stated	4.1			4.1 - 4.7 ¹⁾	kW
Refuelling interval at quoted output	54			min. 45	minutes

¹⁾ The quoted output must be less than or equal to the measured output, however maximum 15% less than the measured output.



TEST REPORT

Date: 2013.01.31 Report No.: 300-ELAB-1770-AEA Page 1 of 14
Initials: KMSA/MRI Project No.: 504365 No. of appendices: 6

Requested by: Contact person: Benny Jensen
Company: Jydepejsen A/S
Address: Ahornsvinget 3-7
Postcode/town: DK-7500 Holstebro Country: Denmark
Tel.: +45 96101200
Email: bj@jydepejsen.dk

Product: Solid fuel appliance
Type: Elegance Junior Test fuel: Spruce

Test frame: Date of receipt: 2012.10.08
Date of testing: 2012.10.08– 2012.11.01

Procedure: Testing of solid fuel appliance in accordance with NS 3058-1, 1st edition (test setup), NS 3058-2, 1st edition (particle measurement) and NS 3059, 1st edition (requirements). The uncertainty of the measurements meets the requirements in NS 3058-1, paragraph 3 and NS 3058-2, paragraph 5.

Result: All requirements were met. Please find further details in paragraph 4, Main results.

Remarks: Testing to Smoke Control Area exemption by the NS3058/59 and EN 13240 DIN plus. This report includes five tests at low output and five tests at rated output.

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Place: Danish Technological Institute, Energy Laboratory

Signature: 
Jes Sig Andersen
Product Manager