

- ❖ State recognized testing laboratory, registered No. NRW 15 in accordance with construction supervision directives
- ❖ Recognized testing laboratory in construction supervision licensing procedures
- ❖ Recognized DIN CERTCO testing laboratory, registered no. PL139
- ❖ European Commission recognized testing laboratory, registered no. 1625



Attachment a

Test report No. RRF - 40 10 2345

**Test results and Wertetripel for calculating the flue
according to DIN EN 13384-1 and 13384-2 „Abgasanlagen – Wärme- und strömungstechnische
Berechnungsverfahren – Teil 1 und Teil 2: Abgasanlagen mit einer bzw. mehreren Feuerstätte/n“
for the roomheaters Contura 556 and 586
of the company NIBE AB
Box 134, 28523 Markaryd, Sweden**

<u>Result of test 1 to 3 according to nominal heat output with combustible materials consisting of</u>		Beech logs	Lignite briquettes
Nominal heating output according to manufacturer	kW	5,0	---
Total heating output	kW	5,1	---
Space heating output	kW	5,1	---
Efficiency	%	78,4	---
Flue gas temperature ta-tr	K	268	---
Mean CO-content of the flue gases based on 13 % O ₂	%	0,06	---
Mean CO-content of the flue gases based on 13 % O ₂	mg/Nm ³	750	---
Dust based on 13% O ₂	mg/Nm ³	26	---
Temperature in the fuel storage compartment	K	19	---
<u>Operation with closed combustion chamber</u>			
Flue gas mass flow according to nominal heat output	\dot{m} (g/s)	4,8	---
Flue gas temperature measured on flue spigot	t (°C)	310	---
Mean manometric pressure according to nominal heat output	p (Pa)	12	---
<u>Operation with open combustion chamber</u>			
Flue gas mass flow according to nominal heat output	\dot{m} (g/s)	---	---
Flue gas temperature measured on flue spigot	t (°C)	---	---
Mean manometric pressure according to nominal heat output	p (Pa)	---	---

<u>Distance to combustible components</u>		
On the test base	cm	---
On the rear test wall	cm	5 *)
On the side test wall	cm	40
In range of the inspection window	cm	100
In range of the lateral window	cm	40

The values of the test for the nominal heat output have been transferred from the test report No. RRF – 40 09 2088.

*) applies only with insulated flue tube. For non-insulated flue tube a distance of 15 cm has to be adhered.

